

Self-Study Report (Cycle II)

Volume-I

Submitted for Reaccreditation



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission
P. O. Box. No. 1075, Nagarbhavi, Bangalore - 560 072

Revised Copy





BIT - Learning Centre

BANNARI AMMAN INSTITUTE OF TECHNOLOGY
SATHYAMANGALAM

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STEERING COMMITTEE

1.	Dr D Saravanan	Coordinator
2.	Dr K Sivakumar	Member
3.	Dr S Valarmathy	Member
4.	Dr P Sampath	Member
5.	Dr D Deepa	Member
6.	Dr S Jegadeeswaran	Member
7.	Dr P Geetha	Member



BANNARI AMMAN INSTITUTE OF TECHNOLOGY

An Autonomous Institution Affiliated to Anna University - Chennai • Approved by AICTE • Accredited by NBA & NAAC with "A" Grade
SATHYAMANGALAM - 638 401 ERODE DISTRICT TAMIL NADU INDIA
Ph : 04295-226000 / 221289 Fax : 04295-226666 / 223775 E-mail : bitsathy@bannari.com Web : www.bitsathy.ac.in



BIT/NAAC/2014-15/02

Dt: 31.10.2014

To

The Director

National Assessment and Accreditation Council

P.O. Box No. 1075, Nagabhavi,

Bengaluru -560 072

Sir,

Sub: NAAC Reaccreditation- Submission of Self Study Report-Reg.

Ref: 1. LOI acceptance mail received from NAAC - dt. 05.05.2014

2. SSR Uploaded in the College website and letter sent to NAAC dt. 10.10.2014

We submitted the LOI on 05.02.2014 for reaccreditation and the same was accepted by NAAC vide reference (1). The Self Study Report for NAAC Assessment and Accreditation (Cycle II) was uploaded on 10.10.2014 vide reference (2).

In continuation of the above, we are submitting the hard and soft copies of the SSR of our Institute along with the Demand Draft for Rs.6,74,160/- (Rupees Six Lakhs Seventy Four Thousand One Hundred and Sixty only) for your kind perusal and favourable action.

Thanking You,

Yours faithfully,

Principal

Encl: 1. SSR - 5 copies (hard and soft copies)

2. Demand Draft for Rs.6,74,160/- drawn from Axis Bank, Sathy, No.048324

dt.31.10.14



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DECLARATION BY THE HEAD OF THE INSTITUTION

I certify that the data included in this Self-study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.



Place
Date

Signature of the Head of the institution
with seal:

PRINCIPAL

Bannari Amman Institute of Technology
Sathyamangalam-638 401

NAAC Self Study Report

Preface

Bannari Amman Institute of Technology (BIT) was started in the year 1996 in Sathyamangalam, Erode District under Bannariamman Educational Trust, Coimbatore by Bannari Amman Group (BAG), one of the largest Industrial Conglomerates in South India with a wide spectrum of manufacturing, trading and service activities. BIT is approved by the All India Council for Technical Education, New Delhi and affiliated to Anna University, Chennai.

BIT is situated in a serene surrounding at the foothills of The Western Ghats encompassing a sprawling area of 177 acres, in the State Highway, with a built-up of more than 25 lakh sq ft. Nestled on the banks of the river Bhavani, BIT campus provides the right environment for natural learning in harmony with nature, away from the odds of city life.

Bannari Amman Institute of Technology offers 13 UG and 15 PG programmes in Engineering, Technology, Computer Applications and Business Administration. BIT has established 13 Collaborative Centres for Research through Anna University to offer Research Programmes, leading to Ph D.

The Institute has 441 faculty members and the sanctioned intake of 1980 students. Efficient leadership and support provided by the dedicated Management, contribution made by the faculty members, staff, stakeholders and proactive students contribute to development of the core values of the Institution.

BIT was conferred Autonomy in the year 2008 by UGC, New Delhi and further extended up to the year 2020. BIT has established the quality culture in teaching-learning and administrative processes through the sustenance measures, ISO 9000, NBA Accreditations, NAAC Accreditation (awarded A Grade in the First Cycle) and Internal Quality Assurance Cell.

Bannari Amman Institute of Technology has committed to continue the Accreditation status awarded by the NAAC and Self Study Report (SSR) for the second Cycle prepared by the Steering Committee with the help of the Faculty Members of the Departments is hereby submitted to NAAC.

Now we are eagerly expecting the visit of peer team to our institution for the process of assessment.

On this occasion, we would like to thank our beloved Chairman, Governing Council of the college Thiru S V Balasubramaniam BCom ACA ACS, Heads of the Departments, Faculty Members and Staff for their fullest cooperation in the preparation of this Self-Study Report.

PRINCIPAL

Status of the College

Bannari Amman Institute of Technology (BIT) was established as an affiliated College under Bharathiar University, Coimbatore with four Under Graduate programmes in Engineering and Technology in the year 1996. Ever since the inception, the BIT is committed to establish a centre of holistic education and make the teaching-learning process more meaningful and vibrant. The zeal and dedication with which BIT pursues its motto 'Stay Ahead' makes it different from many of the institutions offering engineering education.

- The Institute established with approval from AICTE, New Delhi and Government of Tamil Nadu is affiliated to Anna University, Chennai
- 2(f) Status given to the Institution in the year 2008 UGC, New Delhi.
- UGC Conferred Autonomous Status in the year 2008 and extended up to 2020
- Accreditation by NAAC in the year 2009 with Grade 'A'
- 13 departments are recognized as Research Centres by Anna University, Chennai to carry out research leading to Ph.D.
- Received
 - (i) Reaccreditation by NBA for 5 years for 3 UG programmes in 2011 (B.Tech - Biotechnology, B.E. - Electronics and Communication Engineering, B.E. - Computer Science and Engineering)
 - (ii) Reaccreditation by NBA for 3 years for B.Tech - Information Technology in 2011
 - (iii) Reaccreditation by NBA for 5 years to 2 UG programmes in 2013 (B.Tech - Textile Technology and B.E. - Mechanical Engineering)
 - (iv) Accreditation by NBA for 5 years to B.Tech - Fashion Technology in 2013.
- 5S Excellence Award for Strong Commitment from CII -Southern Region.
- Ranked one among the **top 3 Autonomous Engineering Colleges in TN** by Anna University
- **Silver Medal** for the best industry-institute linkages in AICTE-CII Survey

- Entrepreneur development through DST sponsored Technology Business Incubator (TBI).
- Participation in the MHRD-NMICT activities –
 - (i) BIT is one of the 3 NBA Nodal Centres in Tamil Nadu for training of Evaluators for outcome based accreditation.
 - (ii) BIT is a Remote Centre of IIT Bombay and IIT Kharagpur for conducting Webinar based training programs in Engineering and Technology.

Profile of the Autonomous College

1. Name and Address of the College:

Name:	BANNARI AMMAN INSTITUTE OF TECHNOLOGY	
Address:	Sathy – Bhavani State Highway, Alathukombai, Sathyamangalam	
City:	Sathyamangalam Pin : 638401	State : Tamil Nadu
Website:	www.bitsathy.ac.in	

2. For communication

Designation	Name	Telephone with STD Code	Mobile No.	Fax No.	E-mail
Principal	Dr. N.Rengarajan	O:04295-226000	98422-17170	04295-226666	principal@bitsathy.ac.in
Vice Principal	--	--	--	--	--
Steering Committee Coordinator	Dr.D.Saravanan Dr. P.Sampath	O: 04295-226000	9443952544 9443003507	04295-226666	hodtxt@bitsathy.ac.in sampathece@bitsathy.ac.in

3. Status of the Autonomous College by management

i. Government	
ii. Private	✓
iii. Constituent College of University	

4. Name of University to which the College is Affiliated:

Anna University, Chennai

5. a. Date of establishment, prior to the grant of 'Autonomy': 21.10.1996

b. Date of grant of 'Autonomy' to the College by UGC : 27.02.2008

6. Type of Institution

a. By Gender

i. For Men

ii. For Women

iii. Co-education

✓

b. By Shift	
i. Regular	✓
ii. Day	
iii. Evening	

c. Source of Funding	
i. Government	
ii. Grant-in-aid	
iii. Self-financing	✓
iv. Any Other (Please Specify)	

7. It is a recognized minority institution?

Yes	
No	✓

If yes specify the minority status (Religious/linguistic/ any other) and provide documentary evidence

8. a. Details of UGC recognition

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks (If any)
i. 2 (f)	07.01.2008	2(f) Certificate has been enclosed
ii. 12 (B)	Applied	--

b. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section	Date, Month & Year (dd-mm-yyyy)	Validity	Programmes/Institution	Remarks
AICTE	04.06-2014	1 year	B.E/B.Tech./M.E./M.Tech., MBA/MCA	

(Enclose the certificate of recognition / approval- **Annexure A**)

9. Has the college recognized

a. By UGC as a College with Potential for Excellence (CPE)

Yes		No	✓
-----	--	----	---

If yes, date of recognition: (dd/mm/yyyy)

b. For its contributions / performance by any other governmental agency

Yes		No	✓
-----	--	----	---

If yes, Name of the agency and

If yes, Name of the agency and

10. Location of the campus and area:

Location	Rural
Campus area in sq.mts, or sq.mt	177.14 acres
Built-up area in sq.mts	2,23,996 sq.m.

(* Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

11. Does the College have the following facilities on the campus (Tick the available facility)? In case the College has an agreement with other agencies in using such facilities provide information on the facilities covered under the agreement.

- Auditorium/seminar complex ✓
- Sports facilities ✓
 - ✓ play ground ✓
 - ✓ swimming pool
 - ✓ gymnasium ✓
- Hostel
 - ✓ Boys' Hostels ✓
 - ✓ Girls Hostels ✓
- Residential facilities
 - ✓ for teaching staff ✓
 - ✓ for non-teaching staff ✓
- Cafeteria ✓
- Health centre
 - ✓ First Aid Facility ✓
 - ✓ Inpatient facility ✓
 - ✓ Outpatient facility ✓
 - ✓ Ambulance facility ✓
 - ✓ Emergency care facility ✓

• Health centre staff			
Qualified doctor	Full Time	✓	Part Time
Qualified Nurse	Full Time	✓	Part Time
• Other facilities			
✓ Bank	✓		
✓ ATM	✓		
✓ Post Office	✓		
✓ Book office	✓		
• Transport facilities			
✓ For student	✓		
✓ For staff	✓		
• Power house	✓		
• Waste Management Facility	✓		

12. Details of programmes offered by the institution: (Give data for current academic year)

Sl. No.	Programme Level	Name of the Programme /Course	Duration	Entry Qualification	Medium of Instruction	Sanctioned Intake/ Approved Intake	No. of students admitted in First Year 2014-2015
1.	UG /B.E	Aeronautical Engg.	4 years	10+2 or Diploma for Lateral Entry Admission	English	60	49
		Civil Engg.			English	120	108
		Computer Science & Engg.			English	180	173
		Electronics and Communication Engg.			English	240	216
		Electrical and Electronics Engg.			English	120	98
		Electronics and Instrumentation Engg.			English	120	96
		Mechanical Engg.			English	240	216
		Mechatronics			English	120	106
		Automobile Engg.			English	60	58
	UG/ B.Tech	Information Technology	4 years		English	120	109
		Biotechnology			English	120	90
		Textile Technology			English	60	52
		Fashion Technology			English	30	26
2.	PG/ M.E.	Applied Electronics	2 years	B.E. / B.Tech	English	30	20
		Engineering Design		B.E. / B.Tech	English	18	17

		Power Electronics & Drives		B.E. / B.Tech	English	18	15
		Communication Systems		B.E. / B.Tech	English	18	15
	PG/ M.E	VLSI Design	2 years	B.E. / B.Tech	English	24	20
		Computer Science & Engg.		B.E. / B.Tech	English	24	19
		Software Engg.		B.E. / B.Tech	English	24	18
		Structural Engg.		B.E. / B.Tech	English	18	18
		Embedded Systems		B.E. / B.Tech	English	24	15
		CAD / CAM		B.E. / B.Tech	English	18	4
		Industrial Safety Engineering		B.E. / B.Tech	English	18	13
		Instrumentation Engineering		B.E. / B.Tech	English	18	12
	P.G. – M. Tech.	Biotechnology	2 years	B.Tech, M.Sc	English	18	7
	P.G. – MCA	Master of Computer Applications	3 Years	Any Bachelor Degree	English	180	0
	P.G. – MBA	Master of Business Administration	2 Years	Any Bachelor Degree	English	60	56
3.	Integrated Masters	-	-	-	English	-	-
4.	M.Phil.	-	-	-	English	-	-
5.	Ph.D.	Admitted by the Anna University, Chennai in 13 Research Centres					
6.	Integrated Ph.D.	-	-	-	-	-	-
7.	Certificate	-	-	-	-	-	-
8.	Diploma	-	-	-	-	-	-
9.	PF Diploma	-	-	-	-	-	-
10.	Any other (Please Specify)	-	-	-	-	-	-

13. Does the institution offer self-financed Programmes?

Yes ☒ No ☐

If yes, how many?

14. Whether new programmes have been introduced during the last five years?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
-----	-------------------------------------	----	--------------------------

If yes

Number	6*
--------	----

- * B.E. Mechatronics; B.E. Automobile Engineering; M.E.CAD/CAM;
M.E. Embedded Systems; M.E. Instrumentation Engineering;
M.E. Industrial safety & Engineering

15. List the departments: (Do not list facilities like library, Physical Education as departments unless these are teaching departments and offer programmes to students)

Particulars	Number	Number of Students
Science Under Graduate Post Graduate Research centre(s)		
Arts Under Graduate Post Graduate Research centre(s)		
Commerce Under Graduate Post Graduate Research centre(s)		
Any Other (please specify) - Engineering		
Under Graduate	13	5393
Post Graduate	15	751
Research centre(s)	13	225

16. Are there any UG and/or PG programmes offered by the College, which are not covered under Autonomous status of UGC? Give details.
Nil

17. Number of Programmes offered under (Programme means a degree course like BA, MA, BSc, MSc, B.Com etc.)

a. annual system

b. semester system

c. trimester system

18. Number of Programmes with

- a. Choice Based Credit System
- b. Inter/Multidisciplinary Approach
- c. Any other (specify)

28
06

19. Unit Cost of Education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) including the salary component

Rs.61,065.00

(b) excluding the salary component

Rs.32,215.00

20. Does the College have a department of Teacher Education offering NCTE recognized degree programmes in Education?

Yes ☐ No ☒

If yes,

a. How many years of standing does the department have?
..... years

b. NCTE recognition details (if applicable)

Notification No.:

.....

Date: (dd/mm/yyyy)

c. Is the department opting for assessment and accreditation separately?

Yes ☐ No ☐

21. Does the College have a teaching department of Physical Education offering NCTE recognized degree programmes in Physical Education?

Yes ☐ No ☒

If yes,

a. How many years of standing does the department have?
..... years

b. NCTE recognition details (if applicable)

Notification No.:

.....

Date: (dd/mm/yyyy)

c. Is the department opting for assessment and accreditation separately?

Yes ☐ No ☐

22. Whether the College is offering professional programme?

Yes ☒ No ☐

The orders issued by the Anna University and AICTE are attached as in the **Annexure - B**

23. Has the College been reviewed by any regulatory authority? If so, furnish a copy of the report and action taken there upon.

AICTE and Anna University on yearly basis review the functioning and extend the Affiliation (**Annexure - B**).

24. Number of teaching and non-teaching positions in the College

Positions	Teaching faculty						Non-teaching Staff		Technical Staff	
	Professor		Associate Professor		Assistant Professor					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC / University / State Government										
<i>Recruited</i>	35	7	25	8	223	143	131	61	100	28
<i>Yet to recruit</i>	-	-	-	-	-	-	-	-	-	-
Sanctioned by the Management/society or other authorized bodies										
<i>Recruited</i>										
<i>Yet to recruit</i>										

*M - Male *F - Female

25. **Qualifications of the teaching staff**

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent Teachers							
D.Sc. / D. Litt.	-	-	-	-	-	-	-
Ph.D.	30	7	15	5	35	9	101
M.Phil.	-	-	-	-	20	28	48
PG	5	-	10	3	168	106	292

Temporary Teachers							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-
Part-time Teachers							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-

26. Number of Visiting Faculty/ Guest Faculty engaged by the College 1

27. Students enrolled in the College during the current academic year, with the following details:

Students	UG		PG		Int. Masters		M. Phil.		Ph.D.		Integr-ated Ph.D.		D.Litt /D.Sc.		Certi ficate		Dip.		PG Dip	
	Boy	Girl	Boy	Girl																
From the State where the College is located	857	532	115	129	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
From other States of India	6	2	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NRI Students	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-Foreign Students	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-Total	863	534	117	132																

28. Dropout rate in UG and PG (average for the last two batches)

UG	0.975%	PG	0.915%
----	--------	----	--------

29. Number of working days during the last academic year. 190

30. Number of teaching days during the last academic year 160

31. Is the College registered as a study centre for offering distance education programmes for any University? Yes ☐ No ☒

If yes, provide the

a. Name of the University

b. Is it recognized by the Distance Education Council?

Yes ☐

No ☐

c. Indicate the number of programmes offered.

32. **Provide Teacher-student ratio for each of the programme/course offered**

No	Programme	Discipline	Sanctioned Strength	Total Number of Faculty	STR
1	B.E.	Civil Engineering	120	28	13:1
2	B.E.	Mechanical Engineering	240	41	15:1
3	B.E.	Mechatronics*	120	8	15:1
4	B.E.	Aeronautical Engineering	60	17	11:1
5	B.E.	Electrical and Electronics Engineering	120	32	11:1
6	B.E.	Electronics and Instrumentation Engineering	120	19	9:1
7	B.E.	Electronics and Communication Engineering	240	36	15:1
8	B.E.	Computer Science and Engineering	180	35	14:1
9	B.Tech.	Information Technology	120	27	13:1
10	B.Tech.	Biotechnology	60	16	11:1
11	B.Tech.	Fashion Technology	30	10	9:1
12	B.Tech.	Textile Technology	60	13	14:1
13	M.E.	Engineering Design	18	3	12:1
14	M.E.	Power Electronics and Drives	18	3	12:1
15	M.E.	Applied Electronics	30	5	12:1
16	M.E.	Communication Systems	18	3	12:1
17	M.E.	VLSI Design	24	4	12:1
18	M.E.	Structural Engineering	18	3	12:1
19	M.E.	Computer Science and Engineering	24	4	12:1
20	M.E.	Software Engineering	24	4	12:1
21	M.E.	CAD / CAM	18	3	12:1
22	M.E.	Embedded Systems	24	4	12:1
23	M.Tech.	Biotechnology	18	3	12:1
24	M.C.A.	Computer Applications	120	32	15:1
25	M.B.A.	Business Administration	60	10	12:1

* - Started during 2012 - 13 and students are studying in only I & II years.

Approval to start BE - Automobile Engineering & ME - Instrumentation Engineering and, Industrial Safety and Engineering has been obtained for 2014-15

33. Is the College applying for?
 Accreditation : Cycle 1 ☐ Cycle 2 ☒ Cycle 3 ☐ Cycle 4 ☐
 Re-Assessment: ☐

34. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)
 Cycle 1: 15.06.2009 (dd/mm/yyyy) Accreditation outcome/results 'A' Grade
 Cycle 2: (dd/mm/yyyy) Accreditation outcome/results
 Cycle 3: (dd/mm/yyyy) Accreditation outcome/results

Outcome: Accredited for 5 years with 'A' Grade & CGPA of 3.11

* Kindly enclose copy of accreditation certificate(s) and peer team report(s) – Report enclosed in **Annexure - C**

Cycle 1 refers to first accreditation; Cycle 2 and beyond refers to reaccreditation

35. a. **Date of establishment of Internal Quality Assurance Cell (IQAC)**
 17.12.2009 (dd/mm/yyyy)
 b. Dates of submission of Annual Quality Assurance Reports (AQARs).
 (i) AQAR for year 2010 on 15.09.2010 (dd/mm/yyyy)
 (ii) AQAR for year 2011 on 19.10.2011 (dd/mm/yyyy)
 (iii) AQAR for year 2012 on 02.09.2012 (dd/mm/yyyy)
 (iv) AQAR for year 2013 on 31.10.2013 (dd/mm/yyyy)

36. Any other relevant data, the College would like to include. (Not exceeding one page)

- ❖ BIT secured many awards during the period of assessment as given below:
 - i. Silver Medal for the Best Overall Industry – Linked Engineering College in the survey conducted by CII-AICTE for the year 2012.
 - ii. *Bharatiya Vidya Bhavan* National Award for the Best Overall Performance 2009 from Indian Society for Technical Education (ISTE), New Delhi.
 - iii. VVR Seshadri Rao, Gudlavelleru Engineering College National

- Award for the Best Private Engineering College 2012 from ISTE, New Delhi.
- iv. Award of Excellence - Institutions of Higher Education 2013 by VIT.
 - v. Certified for the 5S Certification Award for the Students Center by QCFL, Madurai Chapter.
 - vi. Secured 24th Rank in Data Quest-CMR T-School Survey 2013-14.
 - vii. 5S Excellence Award for Strong Commitment from CII-Southern Region - 2014
- ❖ Career Guidance Programmes IGNITE for Diploma students (since 2011) and BIT-CODISSIA Empowerment Programme for +2 Students (2010).
 - ❖ College has established following laboratories supported by the Industry
 - i. BIT-FESTO (Germany) Lab for Industrial Automation & Mechatronics.
 - ii. BIT-Lectra (France) Laboratory for Textile and Apparel CAD
 - iii. BIT- Freescale Embedded System Laboratory
 - iv. BIT – Texas Instruments Laboratory for Analog Electronics
 - v. BIT – General Electric Collaborative Laboratory
 - vi. BIT – Axis Global Automation Collaborative Laboratory
 - vii. BIT – General Electric Power Electronics Laboratory
 - viii. BIT –TVS Harita Centre for New Product Development
 - ❖ BIT has the following incubation Centres funded by various schemes
 - i. DST Sponsored TBI in the field Agriculture, Rural and Industrial Sectors.
 - ii. AICTE Sponsored Research Park in the field of Computer Science
 - iii. AICTE Sponsored Industry – Institute Partnership Cell
 - iv. AICTE Sponsored Entrepreneurship Development Cell
 - ❖ BIT organized DST-INSPIRE for the school students during December 2011.
 - ❖ Established NBA Nodal Centre in the year 2013
 - ❖ Recognized as Remote Centre for IIT Bombay and IIT Kharagpur under MHRD-NMICT.

EXECUTIVE SUMMARY

INTRODUCTION

“There are two types of education; one that teaches how to make a living and the other how to live”. The words of *Anthony de Mello* perfectly describe the aim of *Bannari Amman Institute of Technology* (BIT).

BIT was started in 1996 as a Self-financing Engineering College, by the Bannariamman Educational Trust, with a goal to provide quality education and to develop transferable skills to the future technocrats and to create Centres of Excellence. The journey continues with Autonomous and Accreditation status. The College is now on its success pathway to make the rural community students as quality engineers and useful citizens of tomorrow.

The outcomes of I Cycle NAAC Accreditation and other quality measures like NBA, ISO practices, have improved the institution considerably in academic and administrative areas. The establishment of IQAC helped the Institution to develop a system of conscious, consistent and catalytic improvement in the overall performance.

The Institution has submitted yearly, the Annual Quality Assurance Report (AQAR) to NAAC. AQAR has been approved by the Statutory Bodies of the Institution (Governing Council and Academic Council). IQAC evolved mechanisms and procedures for ensuring timely, efficient and progressive performance of academic, administrative and financial tasks, the Academic Audit and the Experts Review Meeting Comments of UGC.

BIT is an AICTE approved institution and affiliated to Anna University, Chennai. It obtained 2(f) status of UGC in the year 2008 and the UGC conferred Autonomous Status to BIT in 2008 and has now extended up to 2020.

So now the Institution has the system for conscious, consistent and catalytic actions to improve the academic and administrative performance further. The XII Plan places high priority on education as an instrument for achieving accelerated and inclusive growth with emphasis on expansion, excellence and equity. Quality upgradation needs to be accorded high priority.

The important focus area in the role of higher education is innovation. Another interlinked aspect is that of innovation and entrepreneurship. The

decade 2010 – 2020 has been declared as the Decade of Innovation through Research and Development, driven mainly by private sector participation, publishing more research findings and cooperation at national and international level.

The Institution has focused its attention to (i) Quality teaching-learning and (ii) Research encompassing consultancy, patenting, incubating ideas. Thus the institution has established Incubation Centre to foster innovation, research and entrepreneurial activities. The Institution has created the right environment for promoting entrepreneurship among students through layer learning by doing projects from first year onwards as well as academicians.

The students are given complete flexibility and freedom, benefitted by the expertise, courses of study and infrastructure available. The Institution promoted measures for Institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of the Best Practices.

A team of dedicated members of faculty and administrative officers were recognized by the society through awards.

Five core values of NAAC are listed below:

- Contributing to National Development
- Fostering global competencies among students
- Inculcating a value system among students
- Promoting use of technology
- Quest for Excellence

On the basis of UNESCO's declaration of Higher Education and five core values of NAAC, the academic exercise has been done for the Second Cycle. The following are the SWOC Analysis of the seven criteria given by the NAAC.

I. CURRICULAR ASPECTS

As an Autonomous Institution, the College designed the curriculum after getting the feedback from the experts, different stakeholders etc., which aligns with the Institutional Mission. Though we are having limited academic freedom, we design the curriculum on the basis of three major components- viz. development of Knowledge, skill and ability.

Knowledge component encompasses:

- Basic Knowledge in fundamentals
- Specialization in one's own area
- General knowledge in other areas
- Application of knowledge- Understanding professional ethical values.
- Knowledge in business and Management Techniques

With the experience of assessment and accreditation gained in the first Cycle and also the suggestions by the then peer team members, the IQAC is the centre point to coordinate all the Departments and frame the syllabi following the procedure of UGC and NAAC. The following are the salient features for the last four years experience.

UNESCO defines **skills** as abilities that enable a person to live a more satisfying & fulfilling life and to be in congruence and harmony with people who matter. This definition is relevant and appropriate for the engineering community. Some of the important skills engineer should learn are

- Effective communication and making powerful and effective convincing presentation
- Conflict and crisis management
- Managing change
- Critical thinking
- Decision making
- Self awareness
- Project management
- Planning, conducting and managing effective meetings and discussions
- Give credit to the team members for success of any project and take responsibility for any failures instead of blaming others
- Coping with stress and emotion
- **Ability**
 - To solve engineering problems
 - To design and fabricate through creative and innovative thinking
 - Analyze and interpret data and design experiments to gain new data
 - Applying new technologies
 - Have consideration for cost, benefits, safety, quality etc.
 - Deliver with commitments on time
 - Evaluate and manage risk factors involved

All these abilities are evaluated through viva-voce examination conducted periodically. The curriculum contains 6 electives, project work from FirstYear onwards, personality development and one-credit courses are the new

additions to name a few. University has 189 credits for the UG programme vis-à-vis 193 credits prescribed by the College in addition to value added courses.

Significances of the last four years

- Introduction of 2 new UG & 4 PG programmes in the areas with employment potential
- Following the AICTE guidelines and also the fulfillment of the conditions of the Parent University, the curriculum has 65% core subjects, 15% of Basic Science, 15% Basic Engineering and 5% Management related subjects
- Semester with Choice Based Credit System is in practice
- Formulation and PEOs and POs for all Programmes
- Focus towards employability and research oriented to knowledge enhancement in industry and society
- Introduction of academic flexibilities through core/electives, enrichment and modular courses
- Provision to earn additional credits – add-on courses
- Inclusion of courses related to areas specified by National Skill Development Corporation
- Field visits and career-oriented training taken care within the curriculum
- Introduction of Interdisciplinary courses
- Curriculum change and enrichment on the basis of the feedback
- Inclusion of One-credit courses based on the contemporary industrial practices and needs
- Facilities to practice Life-oriented programmes like yoga and meditation
- Provision to learn multi-languages like German, Japanese and Hindi

SWOC

- Autonomous Status granted by UGC
- Programmes accredited by NBA
- Special status in higher education areas
- Freedom to introduce new methodology
- Limited academic freedom
- Regulation restrictions of the Parent University
- Limited autonomous colleges and more affiliated colleges

II. TEACHING-LEARNING AND EVALUATION

- Transparent admission policies
- Maintaining gender ratio besides reservation policies stated by the Government

- Gender equity and admission opportunities for differently-abled students
- Designed structured-orientation programmes for the learner group
- Introduction of bridge courses, remedial classes and add-on courses to the students
- Special provisions for advanced learners
- Creative Learning Methodology, layer-learning/ learning by doing
- Preparation of lesson plans in advance and sharing with students through cloud system
- Supplementing classroom teaching through expert lectures, alumni interaction, seminars, workshops, mini-projects, field work, internship, hands-on training, self-study electives and e-courseware (NPTEL, NITTT&R, MIT, Stanford etc)
- Providing solutions to Industry Defined Problems by students
- System for counseling and healthcare
- Funds for design and fabrication of working models, presentation of papers in seminar and conferences at national and international level
- A unique learning process for leadership, research and learning-to-live together and to know about the teaching, research methodologies and skill development methods adopted from students of other colleges participating in FUTURA. The budget is Rs 85 lakhs per year.
- Recruitment of well qualified teachers as per procedure
- Quality improvement of faculty by training and recharge programmes
- 1597 faculty members got training in the last four years
- 21 awards received by the faculty members for research and professional achievements since last accreditation
- Faculty visits to the industry, research laboratories and abroad
- By participation in the MHRD-NMICT activities the faculty members get training in Outcome Based Accreditation and Webinar based training programmes in Engineering and Technology for knowledge enrichment.
- Revision of examination system with the inclusion of questions related to higher order thinking skills
- Introduction of on-line tests
- Introduction of multiple-choice-questions to the extent of 20%
- With the help of ICT facilities, entire evaluation process improved in terms of efficiency and effectiveness of the system
- Academic calendar and academic audit to ensure the quality
- Compared to other autonomous and affiliated colleges of Anna University, success rate is high, which is reflected in the employment
- Feedback helps to plan and execute systematic teaching-learning

- Feedback from the students creates facilities for re-totaling, access to answer sheets and revaluation

Learning Outcomes

- 90% success rate
- 85% placement
- 10-13% Higher studies
- 5-10% Entrepreneurship

SWOC

- Catering to diverse needs of the students with different backgrounds
- Student-centric teaching methodology with ICT impact
- Balanced way of evaluation through internal and external examiners (50:50)
- Appropriate feedback mechanism for continuous quality improvement
- Promoting Intellectual Property Rights culture among students
- Centralized admission system
- Providing standard guidelines for setting question papers
- Reduced core placement due to mass recruitment by IT companies
- Hesitant to introduce innovative evaluation in the minds of faculty members
- Recruitment and retention of faculty members with high caliber

III. RESEARCH, CONSULTANCY AND EXTENSION

- Formation of Research Committee to promote the research activities
- Process of promoting the research culture among the faculty and students encouraged by the Management
- Identification of thrust areas for research
- 10% of total budget allocation for research and development activities
- Seed money of Rs 2 Crores to promote innovative and inter-disciplinary research projects granted by the management every year
- Organization of National level project design contest every year for intercollegiate students and cash prizes of Rs 2 lakhs awarded to adjudged winners
- Promoting research activities and providing financial assistance for registration , TA etc to participating faculty members
- Departments provided with secretarial assistance to prepare research proposal
- Establishment of 13 Collaborative Centres for Research
- 41 research projects worth of Rs 1474.41 lakhs under execution
- 61 faculty members qualified with Ph.D in the last 4 years
- 1138 faculty publications in the last four years

- 570 papers presented in the conference proceedings
- 16 Patents filed since 2009
- 10 faculty members received research awards from DST, TNSCST & ISTE
- Policy for revenue sharing in consultancy has been fixed at 60:40
- Rs 42 lakhs generated through consultancy and testing services
- 9 biotechnology students may undergo 3-months internship at Technische University, Darmstadt, Germany
- 15 students from New Zealand Institute of Fashion Technology visited BIT for Educational Experience Programmes
- Established 9 industry sponsored laboratories for fostering research
- 26 MoUs signed for the benefit of the students
- Institute Social Responsibility activities carried out through NCC, NSS, and society oriented clubs
- Recognition for ISR activities from University, State level agencies and NGO

SWOC

- Conducive atmosphere to carryout research work
- Generous contribution by the Management for Research and Development
- Industry sponsored laboratories
- As a self-financing college, faculty members face difficulty while seeking funds from various agencies
- Inadequate support from the Parent University to carry out research works
- Inspire students in entrepreneurship by introducing project learning/learning by doing methodology from first year onwards
- Scope for commercializable research outcomes
- Large number of faculty members willing to pursue Ph D
- Initiating collaborative research with leading Institutions
- Sustaining and excelling in the research in terms of funds received and outcomes
- Obtaining funds from the Industries for research projects
- Scarcity of Ph.D. scholars in nearby institutions makes faculty retention difficult

IV INFRASTRUCTURE AND LEARNING RESOURCES

Since the inception of the College in the year 1996, up to the first cycle of the accreditation, the infrastructure of the college was well established. For the last four years, following new infrastructural facilities have been established.

- 10 lakh sq ft has been added in the last 4 years to the tune of Rs 26.71 Crores
- Rs 17.64 Crore worth machines and equipment added in the last 4 years
- Installed Reverse Osmosis plant (5000 LPD)
- Installed Solar Panels (600 kW)
- ICT enabled classrooms
- Availability of air-conditioned seminar halls and auditorium
- First Institution to get 5S Certification for Student Centre
- Automated laundering facilities in hostels
- Modern Gym facilities separately for girls and boys
- Availability of indoor and outdoor sports facilities
- Establishment of Health Centers with qualified Physicians
- Bank ATM, Cooperative Stores, Book Store, Post Box inside the Campus
- Maintenance of campus facilities through qualified engineers and manager
- Network Maintenance Cell and Test & Repair Centre for maintenance of IT hardware and software
- Establishment of IT laboratories through Industry sponsorship
- 6th in the India's Top T-School Survey conducted by Data Quest DQ-CMRT Survey December 2012 in *Parameter Toppers for Infrastructure*.

Learning Centre

- New 5-storey building has been constructed with an area of 7287 m²
- Subscription to 6000 e-journals (IEL, Sciencedirect, Springer, ASCE, ASME, EBSCO, J-GATE, ASTM)
- RFID enabled security system facilitates self issue / return kiosks
- OPAC for location of various aids
- Budget provided to the library has been doubled to Rs 76 lakh compared to that in 5 years back
- Common Reading Hall, Conference Halls, Discussion Rooms
- Plug-in-play for laptop internet connectivity
- Printing and reprography
- Lift, ramp and hand-rails are provided to differently-abled students and staffs

- Dedicated website www.lib.bitsathy.ac.in disseminates facilities provided

SWOC

- Large campus area with built-up structure
- Comprehensive residential facilities for students and faculty members
- ICT enabled teaching in UG and PG classes
- 5-storey Learning Centre with modern security system
- Collaboration with National Knowledge Network
- Power generation by non-conventional resources
- As a self-financing college, no funds from Government and funding agencies
- Poor support from University in establishing infrastructure / resource sharing
- Establishment of Central Laboratories
- Offering courses through MOOC / DTH to students and faculty members
- Training students for enhancing employability
- Rising costs of overheads and resources
- Reducing reading habits of students

VSTUDENT SUPPORT AND PROGRESSION

- College has 5394 (UG), 751 (PG) and 13 full-time Ph D students
- UGC, NAAC suggested statutory and non-statutory bodies established in the campus
- Provisions for physically challenged students
- Rs.155 lakhs as financial assistance given by the Management. Beneficiaries: 940 for last 4 years
- Government Scholarship beneficiaries 45.53% of total students
- Implementation of Group Insurance to the students and faculty members
- Recognition of College under Progressive Practices by AICTE
- Establishment of Professional Chapters (ISTE, CPC, CSI, IEEE)
- Robust mechanism for identification of extension activities
- 400 students secured prizes and awards in competitive events conducted by other colleges
- Rs 43.79 lakhs funds allotted for sports activities
- Students' progress have been intimated to the parents
- 663 students have been placed in the current batch
- Alumni are actively involved in placement activities

- Coaching for GATE and BEC examination
- Publication of Department Newsletter, College Magazine and Newsletter
- Students represented in Boards of Studies and Academic Council
- 80% of students avail hostel facilities
- Dining halls for day scholars
- Modern Gym facilities separately for girls and boys
- WiFi in hostels
- Learning Centre facility from 8.30am to 10.00 p.m.

SWOC

- Good rapport among the stakeholders
- Student participation in academic and administrative activities
- Financial Assistance to needy students
- Industry Linkage for curriculum development, training and placement
- Lack of interest in higher studies
- Stiff competition among the students in placement, higher studies and research
- Opportunities for more placements
- Restriction to expand extra-curricular activities (NSS / NCC)
- Psychological problems affect the students

VI GOVERNANCE, LEADERSHIP AND MANAGEMENT

- Under the guidelines of the UGC and NAAC, all statutory and non-statutory committees are established for smooth functions of the Institute.
- All Committee meetings are conducted regularly
- Formation of Apex Committee to facilitate the decentralisation and delegation of power
- Cordial Relationship between the Management, faculty and stakeholders
- Coordination of academic and administrative planning, and implementation have been established through IQAC, ISO and NBA guidelines
- Transparency in the academic and administrative practices
- Self appraisal (faculty and students) and feedback systems are in practice
- Monitoring mechanism through academic audit and ISO audit
- Feedback analysis, result analysis helps the Management
- Recruitment, FDP, empowering faculty member
- Financial Management through Department budget

- Regular Internal and external audits for income and expenditure
- Periodic counseling and skill enhancement training for non-teaching staff
- Institution has IQAC. Planning and implementation of all academic and administrative activities of IQAC made known to all stakeholder through newsletters
- Innovations in the academics and administration have been done through recommendations of IQAC

SWOC

- Good rapport between the Management and stakeholders
- Proactive Management
- Mechanism for faculty and student participation, empowerment and welfare
- IQAC, ISO and NBA establish the quality in the institution as a whole
- Non-availability of Ph D for the recruitment in some Departments
- Scope for enhancing the alumni interaction for institutional growth
- Establishing an FDP Cell to meet the continuous training needs
- Offering programmes in frontier areas
- Implementing mechanism for credit transfer and credit sharing with foreign Universities to foster international collaboration and resource sharing
- Retention of experienced faculty members
- Establishing continuous interaction with industry for mutual growth
- Balancing academic, administrative and research requirement by senior faculty members

VII. INNOVATIVE PRACTICES

Recognizing autonomy as accountability and responsibility is by itself. The first move towards quality in higher education is the realization of the Vision Mission and Goal statement of the Institution. Offering wide range of programmes in UG and PG itself vouch for the innovative approach adopted by the College. Nevertheless, the College takes strenuous steps in making the ambient competitive and innovative with its own benchmark. Idyllic atmosphere maintained in the Campus provide stress-free life with modern amenities to the students and staff. Residential facilities are extended to staff and students on demand inside the campus, besides providing bus facilities to-and-fro nearby areas with aim to reduce the use of motored vehicles. Some of the highlights include:

- 25- 30% of energy requirement met through solar power generation
- College adopts the environment-friendly practices
- Closer to 7000 trees planted inside the campus and landscape in 20 acres
- Installation of sewage treatment plant
- Environmental awareness given to students and other stakeholders
- Geo Club and Enviro Club take care of environmental consciousness and distribute booklets to the students
- Rain water harvesting, collection (3 lakh litres) tank have been established
- Biogas system established in hostel
- Energy saving lights are installed to the extent of 238 kW
- Solar water heaters in hostels
- Established facilities in the areas of 3D printing, rapid prototyping, plasma processing, cloud computing and embedded systems
- Scholarship to the needy students by the students themselves through Friend-of-Friendless scheme
- Establishment of video conferencing facilities to interact with the Chairman
- Introduction of surveillance camera through CCTV
- Smoke / fire detectors in the Learning Centre
- E-display facilities to advertise day-to-day events
- Fully automated food preparation system to ensure hygiene
- Installation of flood-lights in Tennis, Basket Ball and Volley Ball courts

SWOC

- Campus-wide implementation of the best practices
- Implementation of sustainability measures
- Maintenance of campus facilities linked with students' activities
- Ready-to-invest approach by the Management
- No special subsidy in adopting non-conventional energy resources from Government
- Reducing the dependency on fossil fuels and SEB for power
- Scope for the addition of energy saving electrical installation
- Developing in-house benchmark based on previous performance
- Extending the facilities to the Societies through extension activities
- Enhancing the power generation through non-conventional resources
- Quantification of measuring carbon neutrality / carbon footprint
- Maintaining the aspiration levels of students and faculty members

FUTURE PLANS

1. To set up a common research centre and make the campus a hub of research
2. To get Deemed University status
3. To get twinning programmes with foreign Universities
4. To have collaborative research arrangement
5. To have MoUs with foreign / national Universities for getting visiting professors
6. To establish a Centre of Excellence in the area of **Biomechatronics**
7. To promote industrial cluster for micro and small industries
8. To establish Research Centre/Park (Please refer to note in page no. 110)

CRITERION I: CURRICULAR ASPECTS

1.1 Curriculum Design and Development

1.1.1 How are the institutional vision / mission reflected in the academic programmes of the College?

The Vision of the College, aims to 'reach the highest and ultimate phase of intellectual development' for contribution to the economic development of society and the nation.

- Offering UG, PG and Research Programmes in the fields of Engineering, Technology and Management
- Establishing Collaborative Centre for Research in the fields of Engineering, Technology and Management
- Providing hands-on training in the emerging areas through workshops, demonstration packages and innovative projects
- Sponsoring the students and faculty members to visit leading Universities and Institutions for academic interaction
- Motivating and encouraging students and faculty members in research, consultancy and new product / process development and knowledge development
- Modifying/upgradation of curriculum and syllabi in accordance with feedback and inputs from industry, research organization and professional bodies
- Encouraging and incentivizing the faculty members for consultancy, publications and IPRs
- Introduction of (i) Creative Learning Methodology and (ii) Layer-learning/ Project learning / Learning by doing from I year onwards for understanding concepts through mind-map, peer-learning and improving reading, writing and presentation skills
- Conducting remedial courses and bridge courses for slow learners and lateral entry students.
- Provision to students to take up courses according to their choice.
- Enabling students to take a course of his/her choice offered by another institution and earns credit and grade.

1.1.2 Describe the mechanism used in the design and development of the curriculum? Give details on the process. (Need Assessment, Feedback, etc)

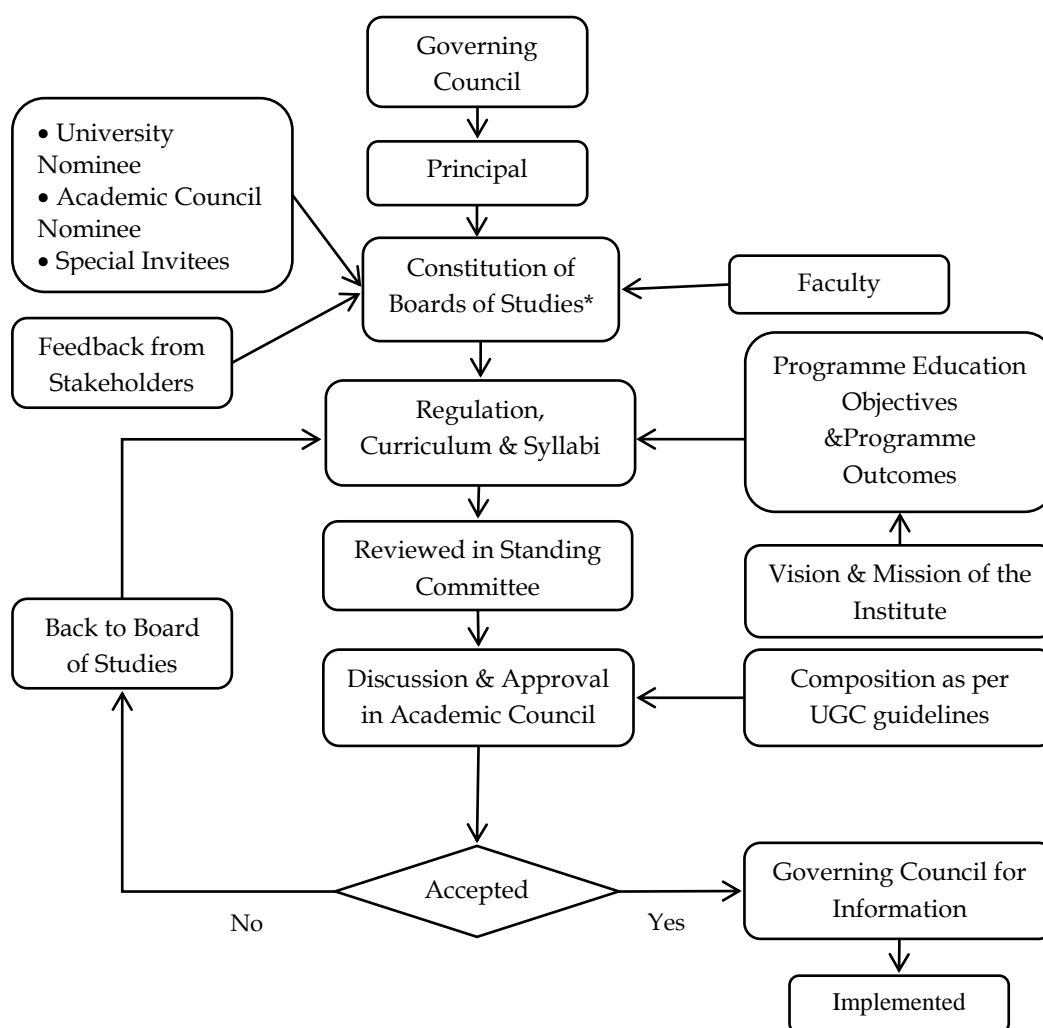
It is said that Education, Research and innovation can only nurture talent and develop power of mind, power of connectivity, power of creativity and innovation in young talented minds to serve society with distinction. A mere tinkering with the present system is no longer good enough and satisfying.

The teachers design a new curriculum with a great deal of deliberations. To prepare a new course it takes 6-12 months. Critical

planning, curriculum development workshops and visits to the industry - all take place before a new course is framed and implemented.

Globalization enables the introduction of cross-disciplinary, trans-disciplinary and multi-disciplinary programs in Energy Engineering, Computer Science and E-Commerce.

- The curriculum design and development by Board of Studies are based on the interaction, suggestions and feedbacks from industry, academicians, alumni, students and the members of faculty.
- Standing Committee considers the proposed curriculum and syllabi submitted by the Boards of Studies and recommends to the Academic Council for its consideration and approval with or without modification.
- Following flowchart gives the pictorial representation of the curriculum development process.



* Constitution as per Autonomous College guidelines

1.1.3 How does the College involve industry, research bodies, and civil society in the curriculum design and development process? How did the College benefit through the involvement of the stakeholders?

The Boards of studies have members from industry, research bodies and civil society to offer their suggestions for subjects/new laboratory experiments, introduction of new electives, value added courses, internship and collaborative research work with industry and research bodies in new emerging areas.

1.1.4 How are the following aspects ensured through curriculum design and development?

- **Employability**

- ✓ Curriculum and syllabi are prepared with the contribution from the industry to meet the requirements and to improve contemporary industrial practices for improving productivity.
- ✓ Layer-learning has been introduced through theory embedded with project work (theory and practice simultaneously).
- ✓ Mini-projects are executed by the students in every semester as a part of practical course and semester-long projects (Phase I and Phase II) in the prefinal and final year of UG programme. In the case of PG, one full semester is allotted for project work.
- ✓ Compulsory active participation in seminars enables students to acquire Soft skills and personality development.
- ✓ Summer / winter internships provide opportunities to the students to learn about contemporary industrial practices enabling them better qualified/equipped for employability.
- ✓ Need based training are provided in the form of one-credit courses, workshops, value added courses and hands-on training.

- **Innovation**

- ✓ Design and Application oriented experiments in every laboratory course.
- ✓ Mini-projects and Main Projects enable the students to acquire skills like team-work, give and take attitude, communication skills, literature survey, self-study, time management to better equip the students challenges and enhance problem solving abilities.
- ✓ Flexibility to choose subjects through open electives, self-study electives, one-credit courses and special electives further enhance analytical ability, innovative thinking and creativity.

- ✓ Futura, the annual Technical Symposium and Project Design Contest, motivates the students to think innovatively and develop creativity.
- ✓ Financial grants are provided to students and faculty to work on innovative projects.
- ✓ Cash prizes awarded for successful innovative work during Achiever's Day and support extended through IPR Club for getting patents.
- **Research**
 - ✓ College has established linkages with leading research institutions for collaborative/joint research.
 - ✓ Academic Council and Boards of Studies include the eminent scientists and industrialist who suggest emerging areas having potential for research and development enabling paper presentation in seminars and topics for industry oriented projects.
 - ✓ The laboratory courses are so designed to include mini-project to enable the students to try new approach/ideas.
 - ✓ Besides the interdisciplinary projects, students are involved in the research projects undertaken by the faculty. This enhances research acumen of the students. (Section 3.1.5)
 - ✓ Eminent scientists are invited to supplement the classroom teaching and share their research experiences (Section 3.1.6)
 - ✓ Financial supports are given to students and faculty members who present papers in national and international conferences.
 - ✓ Students are encouraged to submit proposals to various funding agencies and obtain research grants for student projects (31 Grants received so far for student projects are furnished in the Annexure 1.1) and also submit application for patents.

1.1.5 How does College ensure that the curriculum developed addresses the needs of the society and have relevance to the regional / national developmental needs?

- To ensure the curriculum developed meets the needs of the society, feedback from alumni, employers and the society representatives are obtained and the suggestions – related to the regional, national and societal needs are incorporated in the curriculum and accordingly modified.
- List of societal problems identified by NSS and Fifteen other clubs is prepared and given to HoDs. Students are free to take up these for study and as topics for project work.

1.1.6 To what extent does the College use the guidelines of the regulatory bodies for developing or restructuring the curricula? Has the College been instrumental in leading any curricular reform which has created a national impact?

- College follows the guidelines prescribed by the regulatory bodies, viz., Affiliating University, AICTE and UGC.
- Infrastructure facilities, introduction of new programmes, total number of hours for every programme offered, recruitment of faculty members with the prescribed qualifications for each post and admission criteria are followed as per the guidelines of AICTE, New Delhi and Government of Tamil Nadu.
- AICTE guidelines related to curriculum composition, as shown below, are followed
 - ✓ Basic Science - ~15%
 - ✓ Basic Engineering - ~20%
 - ✓ Language and Management - ~5%
 - ✓ Core and Core Electives - ~60%
- As per the guidelines of the University and UGC, specific subjects like Total Quality Management, Professional Ethics, Environmental Science and Managerial Economics are introduced.
- University guidelines are followed in framing the guidelines for conduct of the examination, evaluation, announcement of results and recommending names of students to the University for award of degrees.
- Introduction of new courses is controlled by parent University depending upon whether university offers such courses or not. But the College offers courses related to emerging areas as additional courses and credits earned are reflected in the Grade Sheets. Such exposure to new techniques/knowledge enhances the employment opportunities of the students.
- The college has introduced Learning by doing concept as a curricular reform and to inspire the students in entrepreneurship.

1.2 Academic Flexibility

1.2.1 Give details on the following provisions with reference to academic flexibility

a. Core / Elective options

Out of 193 credits offered in the UG curriculum both core and elective subjects contribute 60%, of which 80% of the subjects are related to core and 20% to elective subjects. Common courses are offered during I to IV semesters along with the introductory courses in the core areas.

During V to VIII semester core and elective subjects are offered. Students are required to do project work from I to VIII semesters. Electives subjects are also offered in the Language and Basic Science subjects. The students have an option to take electives from other departments with the approval of respective HoDs and one-credit courses, self-study electives, special electives and entrepreneurship electives.

In the case of PG students, elective subjects are offered from II semester onwards. The project work is carried out during the second year. The project topic is decided by the end of second semester, so that students can use the summer holidays for literature survey and etc.,

b. Enrichment courses

Enrichment courses are offered in electives or evening courses, summer / winter courses. List of 47 enrichment courses (other than electives) are furnished in the Annexure 1.2. Besides, Experts are invited to deliver lectures on emerging trends in core areas, as summarized in the table.

SI. No	Year	Number of Lectures Organized
1	2012 - 13	205
2	2011 - 12	227
3	2010 - 11	230
4	2009 - 10	166

c. Courses offered in modular form

Modular courses are offered, by various Departments, consistent with the credit accumulation system with a degree of convergence which may eventually result-in the course being integrated into a full modular programme. Such courses (Annexure 1.3) are designed with one-credit (as against normal 3-credits) and a student can opt to accumulate 3 such credits.

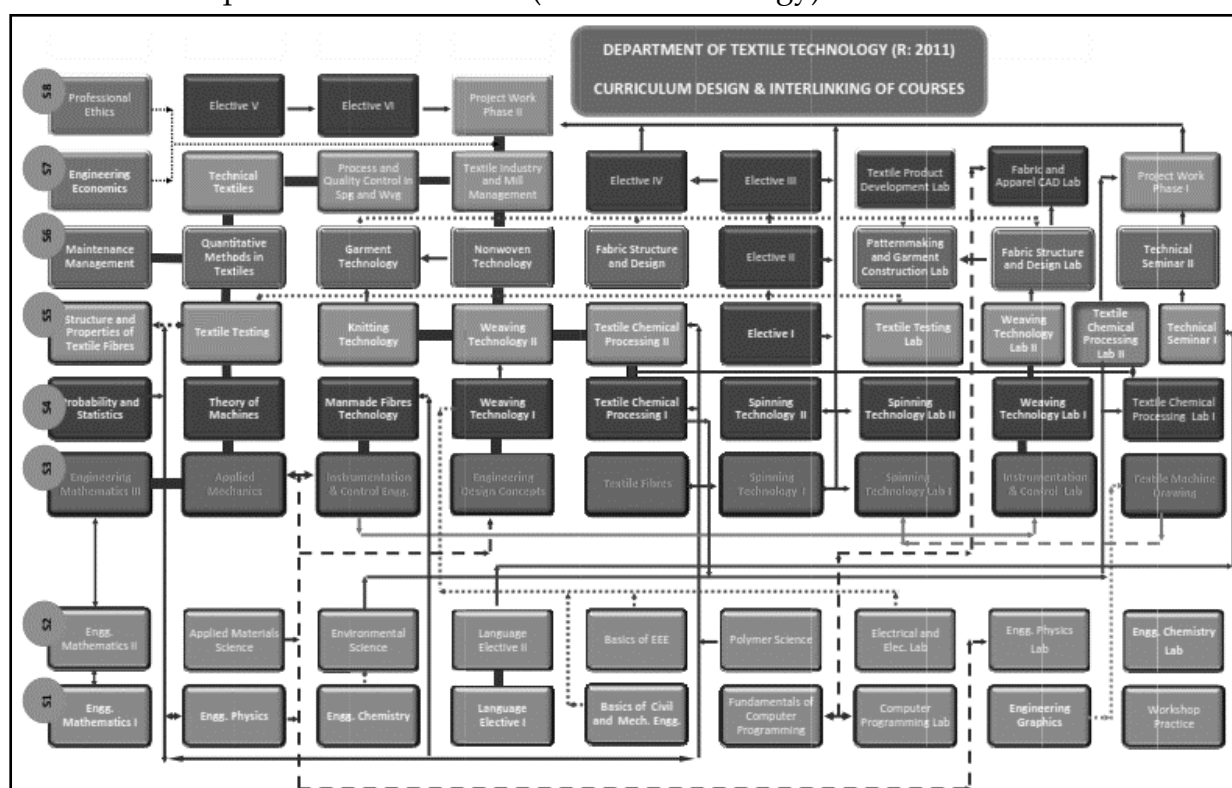
d. Credit transfer and accumulation facility

Credit accumulation facilities are offered to the students, as prescribed in the Regulations of the Programme. Credit accumulation can be exercised through one-credit courses, self-study electives and special electives. Credit transfer facility, within the discipline, is offered to the students in the case of one-credit courses. However, credit transfer across the Institutions is also availed of by the students. The students who discontinue (drop-out) can opt to re-join the programme with the

earlier credits earned, subject to the approval from the Directorate of Technical Education and the Affiliating University. List of such students are furnished in Annexure 1.4.

e. Lateral and vertical mobility within and across programmes and courses

Lateral and vertical mobility is available in all the programmes offered; an example is shown - B Tech (Textile Technology).



1.2.2 Have any courses been developed specially targeting international students? If so, how successful have they been? If 'no', explain the impediments.

No, so far. However, recently, an agreement has been executed with Brooker Educational Foundation, New Zealand through High Commission of Education of New Zealand for providing the courses on (i) Textile Technology and (ii) Fashion Technology (Garment Manufacturing).

1.2.3 Does the College offer dual degree and twinning programmes? If yes, give details.

No. College does not offer dual degree as per guidelines of Parent University.

1.2.4 Does the College offer self-financing programmes? If yes, list them and indicate if policies regarding admission, fee structure, teacher qualification and salary are at par with the aided programmes?

Yes.

Under Graduate

- 1 B.E. Automobile Engineering
- 2 B.E Aeronautical Engineering
- 3 B.E Civil Engineering
- 4 B.E Computer Science and Engineering
- 5 B.E. Electronics and Communication Engineering
- 6 B.E Electrical and Electronics Engineering
- 7 B.E Electronics and Instrumentation Engineering
- 8 B.E Mechanical Engineering
- 9 B.E Mechatronics Engineering
- 10 B.Tech Biotechnology
- 11 B.Tech Information Technology
- 12 B.Tech Fashion Technology
- 13 B.Tech Textile Technology

Post Graduate

- 1 M.E. Engineering Design
- 2 M.E. Power Electronics and Drives
- 3 M.E. Applied Electronics
- 4 M.E. Communication Systems
- 5 M.E. VLSI Design
- 6 M.E. Structural Engineering
- 7 M.E. Computer Science and Engineering
- 8 M.E. Software Engineering
- 9 M.E. CAD/CAM
- 10 M.E. Embedded Systems
- 11 M.E. Industrial Safety and Engineering
- 12 M.E. Instrumentation Engineering
- 13 M.Tech. Biotechnology
- 14 M.C.A. Computer Applications
- 15 M.B.A. Business Administration

- State Government guidelines are followed in the case of admission to above programmes and fee structure.
- AICTE guidelines are followed as far as teacher qualifications are concerned.
- Recommendations of VI pay commission have been implemented.

1.2.5 Has the College adopted the Choice Based Credit System (CBCS)? If yes, how many programmes are covered under the system?

Yes. All the UG(13) and PG(15) programmes are covered under the Choice Based Credit system.

1.2.6 What percentage of programmes offered by the College follows:

Semester system - 100%

1.2.7 What is the policy of the College to promote inter-disciplinary programmes? Name the programmes and what is the outcome?

Interdisciplinary programmes are identified based on the thrust areas highlighted by the State and Central Governments, employment potential and the societal requirements. As it is there are no interdisciplinary programmes. However the students are permitted to opt for courses from other departments and due credits will be given.

Example: B.E.-Electronics and instrumentation, B.E.-Mechatronics Engineering students can take courses offered in B.E.-Electronics and communication Engineering, B.E.-Mechanical Engineering and B.E.-Electrical and Electronics Engineering. Similarly, the PG Students in M.E. Engineering Design, CAD / CAM, Industrial safety and Engineering, Computer Science and Engineering and M.Tech Biotechnology can opt for courses offered by other departments.

1.3 Curriculum Enrichment

1.3.1 How often is the curriculum of the College reviewed for making it socially relevant and/or job oriented / knowledge intensive and meeting the emerging needs of students and other stakeholders?

Curriculum of UG and PG programmes are reviewed and revised periodically based on the needs of the stakeholders. Minor changes as needed are implemented twice a year. Major modifications / revisions are carried out to meet the emerging needs of the students and other stakeholders and implemented as per procedure.

1.3.2 How many new programmes have been introduced at UG and PG level during the last four years? Mention details.

2 UG programmes (Mechatronics and Automobile Engineering) and 4 PG programmes (CAD/CAM, Embedded Systems, Instrumentation Engineering and Industrial Safety & Engineering) have been introduced.

1.3.3 What are the strategies adopted for revision of the existing programmes? What percentage of courses underwent a major syllabus revision?

Existing programmes are revised based on

- Feedback received from the Industry, Alumni and Employers regarding obsolescence of certain topics, introduction of new topics to meet the challenge of changes due to emerging areas and needs of the stakeholders.
- Policy / Vision Statement of State Government

Based on the above, the syllabi for 100% of the programmes have been revised.

1.3.4 What are the value-added courses offered by the College and how does the College ensure that all students have access to them?

Courses not in the curriculum but relevant to the department are offered as value added courses. Value added courses are offered as short term courses or full-term courses by all the departments. Interested students of the department take these courses and the performances of these students are evaluated and the grades are included in the grade sheet. 135 value added courses conducted for the last three years(Annexure 1.5).

Emphasis to conduct value added courses, Special / Self-study electives are given in the Regulations of the Curriculum itself, which is circulated among the students during the beginning of the programme and interested students can enroll to these courses. Syllabus, conduct of the courses and venue are announced, in advance, to the students through Mentors, notice board and the list of the interested students is prepared. Resource persons from the industry, employment providing organizations and qualified faculty members from the Colleges are drawn to deliver such courses. 53 self-study courses have been offered to the students as given in the Annexure 1.6.

1.3.5 Has the College introduced any higher order skill development programmes in consonance with the national requirements as outlined by the National Skills Development Corporation and other agencies?

Yes, 18 out of 20 priority areas listed by the NSDC are covered by the various programmes offered by the College (as given below).

Sl. No.	Priority Area Listed by NSDC	Programme available in BIT
1.	Automobile / autocomponents	Automobile Engineering
2.	Electronics hardware	Mechatronics, Electronics and Instrumentation, Electronics and Communication
3.	Textiles and garments	Textile Technology and Fashion Technology
4.	Chemicals and pharmaceuticals	Biotechnology
5.	Building and construction	Civil Engineering
6.	Food processing	Biotechnology
7.	Handlooms and handicrafts	Textile Technology and Fashion Technology
8.	Building hardware and home furnishings	Civil Engineering and Home Furnishing (Textile & Fashion Technology)
9.	IT or software	Information Technology
10.	ITES-BPO	Information Technology
11.	Tourism, hospitality and travel	Elective Courses in MBA programme
12.	Transportation/ logistics/ warehousing and packaging	-
13.	Organised retail	Elective Courses in MBA programme & Fashion Technology
14.	Real estate	-
15.	Media, entertainment, broadcasting, content creation, animation	Elective Courses in MBA programme
16.	Healthcare	Embedded in all the Disciplines of Engineering and Technology
17.	Banking/ insurance and finance	Specialization in MBA Programme
18.	Education/ skill development	DST / AICTE funded short courses are organized on skill development in specific areas

In addition to these community radio broadcasting station installation is pursued for last 5 years. Permission is awaited from Government of India.

1.4 Feedback System

1.4.1 Does the College have a formal mechanism to obtain feedback from students regarding the curriculum and how is it made use of?

Yes. Students are encouraged to provide the feedback on curriculum through a questionnaire and online also representatives are invited to participate in the Board of Studies and Academic Council meetings to offer their feedback. Suggestion boxes are also provided in important locations to get the feedback from the students.

1.4.2 Does the College elicit feedback on the curriculum from national and international faculty? If yes, specify a few methods adopted to do the same - (conducting webinar, workshop, online forum discussion etc.). Give details of the impact on such feedback.

Yes.

- Feedbacks are obtained from subject experts of premier institutions like Anna University, IITs and NITs as a part of the Board of Studies and Academic Council.
- During the conduct of National/International conferences and workshops, members from other institutes, industries, alumni members and others who visit our college are invited for meeting regarding the curriculum and syllabus feedback and suggestions for improvement.
- Syllabi of Computer Science and Engineering, Information Technology were reviewed (2011-12) by the University of Derby, UK. A team of Senior Professors from IIT Madras were invited to witness the teaching – learning process, curriculum and offer their feedback in the disciplines: Civil Engineering, Mechanical Engineering, Mechatronics, Computer Science and Engineering, Information Technology, Biotechnology, Electrical and Electronics Engineering, Electronics and Communication Engineering, Electronics and Instrumentation Engineering (2013-14).

1.4.3 Specify the mechanism through which alumni, employers, industry experts and community give feedback on curriculum enrichment and the extent to which it is made use of.

- Stakeholders like alumni, employers, industry experts and members from industry associations / research associations are inducted in the Board of Studies and Academic Council to offer contributions to enrich the curriculum.

- Feedbacks are also collected through the alumni working in various industries through mails.
- Teams of faculty members visit industries of relevance to obtain the feedback on specific courses.

Feedback from employers, parents, representatives of society are obtained by sending questionnaire and getting the observations, New Courses and the latest technologies suggested by alumni and industry experts are included in the curriculum after due process.

1.4.4 What are the quality sustenance and quality enhancement measures undertaken by the institution in ensuring effective development of the curricula?

Systems and procedures of the college are audited by Quality Management System – ISO 9000, while Academic activities are monitored by IQAC and Academic audit committee. Reports and comments given by these agencies are considered for ensuring the quality sustenance and enhancement.

Additional Information Regarding Curricular Aspects

Innovative methods like learning by doing and Creative Learning Methodology are adopted in addition to regular chalk and talk, assignments, laboratory work, periodical tests etc. The students learn knowledge and analytical ability in the classroom. Development of skills by taking up a small project and learn through books, literature in the library about the project thereby learning principles of operation/processes and various designs are conceptually formulated. Teachers and team members are consulted and a paper is presented in the seminar afterwards to give a final touch. After going through such an exercise the student gains confidence and ability to convert his idea into a working model. This method is very effective for the sustenance and enhancement of quality and employability and also for research minded students. This also develops the attitude for life-long learning.

CRITERION II: TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 How does the College ensure publicity and transparency in the admission process?

- The facilities and publicity about the college details are uploaded in the college website and are also given in the newspapers. Prospectuses have been produced to pass on the information to aspirants.
- Based on the aggregate score of Higher Secondary Examination marks in Mathematics, Physics and Chemistry subjects, a rank list is prepared by the Anna University and is published in all leading news papers.
- Admission to 65% of sanctioned strength is carried out by Anna University through a single window process. Admission to 35% of sanctioned strength is carried out through Association of Management of Anna University Affiliated Colleges through entrance test.
- List of the admitted students are sent to Directorate of Technical Education (DoTE) for verification and validation of the admission.

2.1.2 Explain in detail the process of admission put in place for UG, PG and Ph.D. programmes by the College. Explain the criteria for admission (Ex. (i) merit, (ii) merit with entrance test, (iii) merit, entrance test and interview, (iv) common test conducted by state agencies and national agencies (v) others followed by the College?

Programme	Admission Process	Eligibility Criteria
UG (BE / B Tech)	Admission through Single Window Counseling system or Entrance Test	As prescribed by DoTE (State Govt.); Reservation as per State Government Policy
PG (ME/ M Tech / MCA / MBA)	Based on the Tamil Nadu Common Entrance Test (TANCET) conducted by the University / GATE score for ME/M Tech	As prescribed by AICTE- New Delhi
Ph D	Based on the entrance test, interview conducted by the University	As prescribed by the Affiliating University

- For UG admission, the minimum % of aggregate of marks in Higher Secondary is given below (prescribed by the State Government): OC – 50%, BC – 45%, MBC & SC / ST- 40% or as when announced.

- For MBA and MCA the students are admitted based on the marks obtained in the qualifying examinations like TANCET (Entrance Test conducted by Anna University).

2.1.3 Does the College have a mechanism to review its admission process and student profiles annually? If yes, what is the outcome of such an analysis and how has it contributed to the improvement of the process?

No. The college has no role to play in the admission process as the admissions are done by the State Government and the Association appointed for the same.

2.1.4 What are the strategies adopted to increase / improve access to students belonging to the following categories

- SC/ST
 - OBC
 - Women
 - Different categories of persons with disabilities
 - Economically weaker sections
 - Outstanding achievers in sports and extracurricular activities
- ✓ Admissions are done as per **State Government reservation policy** that prevails at the time of admission.
 - ✓ **Separate counseling sessions are conducted for OBC, SC and ST** candidates with different cut-off marks. Financial assistance is extended to deserving students.
 - ✓ **Special Counseling Sessions** are arranged for admitting persons with **disabilities and outstanding achievers in sports**
 - ✓ **Ramps and lifts** are provided to assist physically challenged students.
 - ✓ **Management** gives **scholarship to meritorious** and economically weaker section candidates.
 - ✓ Girls students fair well (~ 40%) in the admission though there is no special reservations
 - ✓ Outstanding achievers in sports and extracurricular activities are attracted through **scholarship and tuition fee waiver schemes**.

2.1.5 Furnish the number of students admitted in the College in the last four academic years.

Categories	2013-2014		2012-2013		2011-2012		2010-2011	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	110	52	75	64	86	51	74	60
ST	4	3	4	1	3	1	4	3
BC	532	442	590	455	457	417	510	354
MBC	174	89	176	119	153	96	140	87
General	37	31	39	26	42	30	45	38
Total	1474		1549		1336		1315	

2.1.6 Has the College conducted any analysis of demand ratio for the various programmes offered by the College? If so, indicate significant trends explaining the reasons for increase / decrease.

Programme	Number of Applications	Number of Students Admitted	Demand Ratio
Under Graduate - BE/B Tech	Not known since received from DoTE	1397	Not known
Admissions to these programmes are carried out by DoTE Counselling through Affiliating University / Association of Management of Anna University Affiliated Colleges. However, based on the demand trend and projected opportunities increase in-take has been made in CivilEngineering, MechanicalEngineering, MechatronicsEngineering, Electronics and CommunicationEngineering, Electrical and ElectronicsEngineering, Electronics and InstrumentationEngineering, Computer Science and Engineering, Information Technology and Biotechnology.			
1. Aeronautical Engineering	Not known since received from DoTE	49	Not known
2. Civil Engineering		108	
3. Mechanical Engineering		216	
4. MechatronicsEngineering		106	
5. Electrical & Electronics Engineering		98	

Programme	Number of Applications	Number of Students Admitted	Demand Ratio
6. Electronics and Communication Engineering		216	
7. Electronics and Instrumentation Engineering		96	
8. Computer Science and Engineering		173	
9. Information Technology		109	
10. Biotechnology		90	
11. Textile Technology		52	
12. Fashion Technology		26	
13. Automobile Engineering		58	
Post Graduate - ME / M Tech	Not known since received from DoTE	249	Not known
Admission is carried out through Tamil Nadu Common Entrance Test (TANCET) by the Affiliating University. Increase in in-take has been approved for Applied Electronics, Embedded Systems, Software Engineering, VLSI Design and Computer Science and Engineering courses based on the demand.			
1. Structural Engineering	Not known since received from DoTE	18	Not known
2. CAD / CAM		04	
3. Engineering Design		17	
4. Power Electronics and Drives		15	
5. Applied Electronics		20	
6. Communication Systems		15	
7. VLSI Design		20	
8. Embedded Systems		15	
9. Computer Science and Engineering		19	
10. Software Engineering		18	
11. Biotechnology		07	
12. Industrial Safety Engineering		13	
13. Instrumentation Engineering		12	

Programme	Number of Applications	Number of Students Admitted	Demand Ratio
14. Computer Applications (MCA)		Nil	
15. Business Administration (MBA)		56	
Integrated Masters	Not Offered		
M.Phil.	Not Offered		
Ph. D.	Admission is carried out by the University. Research Centres are established to guide Ph. D scholars		
Integrated Ph.D.	Not Offered		
Certificate	Not Offered		
Diploma	Not Offered		
PG Diploma	Not Offered		
Any Other	Not Offered		

2.1.7 Was there an instance of the College discontinuing a programme during last four years? If Yes, indicate the reasons.

Yes. B.Sc.(CT/IT) and M.Sc. Software Engineering are discontinued since AICTE did not approve the University approved applied sciences courses.

2.2 Catering to Student Diversity

2.2.1 Does the College organize orientation / induction programme for freshers? If yes, give details of the duration of programme, issues covered, experts involved and mechanism for using the feedback in subsequent years.

Yes. College organizes orientation programmes for the fresher's every year. Various activities covered in the orientation program comprise:

- Motivational talk by the experts from the Industry / Society (Dr C Sylendrababu IPS, Mr A Jayaprakash Gandhi – Career Consultant, Mr Subramaniam – Industrialist have addressed the students in the past)
- Academic details related to the programme (credits, evaluation procedures, eligibility for the award of Degree), Milestones of the Departments and scope of the programmes by respective Heads of Departments

- Freshers are taken round in batches to the department Labs/Workshops library and main library to show the facilities available and a weeklong orientation programme is organized.
- Interactive programmes include
 - ✓ Positive Attitude
 - ✓ Industry Readiness
 - ✓ Goal Setting
 - ✓ Communication Skills
 - ✓ Team Building
 - ✓ Student Performance Indicators
 - ✓ Yoga & Art-of-living programme

Feedback is obtained from the students to know their impressions.

2.2.2 Does the College have a mechanism through which the “differential requirements of student population” are analyzed after admission and before the commencement of classes? If so, how are the key issues identified and addressed?

Yes

Engineers are in great demand but not Engineering Graduates.

The following questionnaire is given to freshers to learn about their aptitude. It is analyzed and steps are taken to uplift those below 50% category.

- Do you enjoy knowing how things work?
- Do you think of new or other better ways of doing things?
- Do you like to break simple equipment and reassemble?
- Do you love solving problems?
- Do you like interaction with others?
- Do you make decisions based on facts / information / observations made?
- Do you pay attention to details?
- Do you like to work individually and / or also in team?

If ‘Yes’ is the answer for majority of questions, she / he has the potential for study of engineering. If answer (Yes) is less than 50%, more attention need to be paid to uplift them.

Learn to be curious and creative. Curiosity is vital to creative thinking process; thinking ignites the intuition power.

- Conduct of bridge courses in Mathematics, Physics, Chemistry and English for identified slow learners who are admitted in the I year.

- Conduct of Bridge courses for lateral entry students who are admitted in the II year.
- Based on the proficiency in English, students are categorized into two groups and taught either Basic English or Communicative English in the First Semester. Subsequently, Language Electives (Basic English II, Advanced Communicative English, German, Japanese and Hindi) are offered to the students.
- Remedial classes, Counseling through mentors and counselors are provided to slow learners to address the special requirements.
- Students with interest in the sports, cultural and other club activities are identified and encouraged to join the respective groups and participate in various activities.
- Financial support is extended to students with poor economic background through scholarships from Government, Management, other philanthropic organizations and Friend of Friendless.

2.2.3 Does the College provide bridge /Remedial /add - on courses? If yes, how are they structured into the time table? Give details of the courses offered, department-wise/faculty-wise?

Yes.

Bridge Courses

- For I Year UG students bridge courses are conducted as per the guidelines provided by the Affiliating University.
- For the lateral entry students (admitted directly to the second year) bridge courses are being conducted for 15 days at the beginning of the semester in Mathematics.

Remedial Courses

Remedial classes are conducted after regular timings for the slow learners.

Add-on Courses

Every Department organizes seminars, Value Added Courses, Self Study Electives, One-credit Courses and Soft Skills Training programmes (Detailed in Criterion 1.3.4, Annexure 1.2 and 1.3).

2.2.4 Has the College conducted a study on the incremental academic growth of different categories of students; - student from disadvantaged sections of society, economically disadvantaged, physically challenged and slow learners etc.? If yes, give details on how the study has helped the College to improve the performance of these students.

Yes.

Physically challenged and students from disadvantaged sections of society are admitted, as per the reservation policy of the Government.

- Need based assistances are provided to the physically challenged students, besides the provisions available in College (Section 2.2.6).
- Assistances are provided to the Physically Challenged and Disadvantaged Sections of Society to get Government Scholarships and Merit-cum-Mean Scholarship by the Management according to their academic performance.
- Without discriminating the students on different parameters, assessments are conducted to identify slow learners and those who need continuous attention.
 - ✓ Performances of the students are monitored through periodical tests, assignments and academic interactions.
 - ✓ Utilization of Language laboratory and active participation in seminars are made compulsory to improve communication skills.
 - ✓ Soft skill trainings are provided by the respective departments for the skill development.

For the economically disadvantaged students

- Economically weaker students are permitted to pay their tuition fee in installments
- AICTE -TFW scheme for economically weaker students
- Various government scholarships.
- Friend of Friendless scholarships are provided to needy students

For the Slow learners

- Students can interact with faculty after regular teaching hours to clarify their doubts
- Students can work in the laboratories after regular working hours

- Motivation through counseling by the mentors & college Counseling Club
- Special Coaching classes are conducted by the respective faculty members during the evening hours based on the need
- Optional tests are conducted to improve the academic performance

2.2.5 How does the institution identify and respond to the learning needs of advanced learners?

- Advanced learners are identified based on the
 - ✓ Academic performance in periodical tests and End Semester examinations
 - ✓ Participation in classroom activities such as seminars and lab courses
 - ✓ Participation in department association activities
 - ✓ Skill development exhibited and identified through layer-learning process and in the laboratory.
 - ✓ Prizes won in co-curricular activities (intra and inter-collegiate)
- Mentors are involved in the identification of various talents of the students during counseling.
- Following additional learning options are provided
 - ✓ One credit courses
 - ✓ Self study electives, Open electives and Special electives
 - ✓ Innovative projects in the area of student's interest
 - ✓ Encourage to present papers and to take part in various competitions related to academic, co-curricular and extracurricular activities in India (for winners) and abroad
 - ✓ Encourage to participate R&D, IPR etc., activities through technical clubs.
 - ✓ Assisting faculty members in research and funded projects
 - ✓ Motivating the senior students to teach juniors for enhancing training and placement activities
 - ✓ Advanced learners are trained for competitive examinations like GATE, GRE by the Guidance Cell & Bureau of Overseas Studies.

2.2.6 How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?

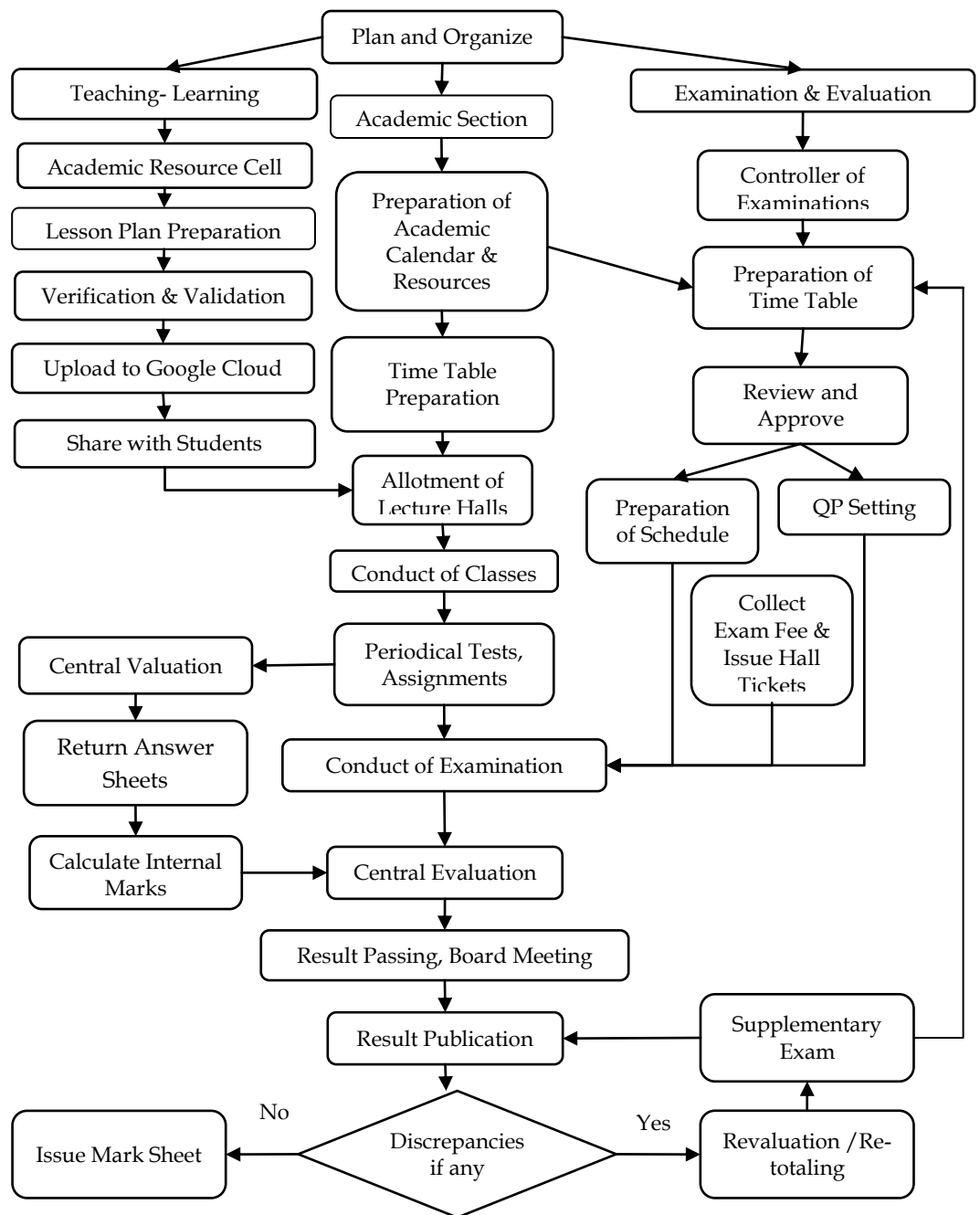
- Ramp facility is provided inside the college for their mobility
- Hand-rails in steps
- Lift facility is provided in the five-storyed Learning Centre
- Separate toilet facilities are provided for physically challenged
- Examinations in Ground floor based on the request
- Scribe facilities are provided during examinations with a supervisor
- In house medical facility is available in the case of emergency
- Separate toilet facilities available for physically challenged
- Hostel rooms in ground floor
- Institute vehicle/bus facility

2.3 Teaching-Learning Process

2.3.1 How does the College plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan and evaluation blue print, etc.)

The Academic calendar is prepared prior to beginning of every academic year with following details: Academic events, Assessment schedules, Sports schedules, List of holidays, Contact number of faculty and staff, Rules and Regulations, Statutory Notices/ Circulars on ragging, Campus facilities, Programmes offered, Details of achievements, awards and Calendar of Events

Following flowchart gives the details of planning and organizing related to teaching, learning and evaluation.



2.3.2 Does the College provide course outlines and course schedules prior to the commencement of the academic session? If yes, how is the effectiveness of the process ensured?

Yes.

- Curriculum and syllabi are provided to the students.
- Description of syllabus for each subject contains course outline and course evaluation guidelines
- Faculty members prepare the lesson plans upload the same in the Google Cloud and share the same with students

- Students can access these lesson plans within the campus or at a remote location for learning purpose and attend the classes with preparedness.
- Resources required for lesson plan preparation (Computers, Scanners and Printers) are provided by the Academic Resource Cell. Software related issues are addressed by Software Development Cell / Google Development Group.

2.3.3 What are the courses, which predominantly follow the lecture method? Apart from classroom interactions, what are the other methods of learning experiences provided to students?

2.3.4 How is 'learning' made more student-centric? Give a list of participatory learning activities adopted by the faculty that contribute to holistic development and improved student learning, besides facilitating life-long learning and knowledge management.

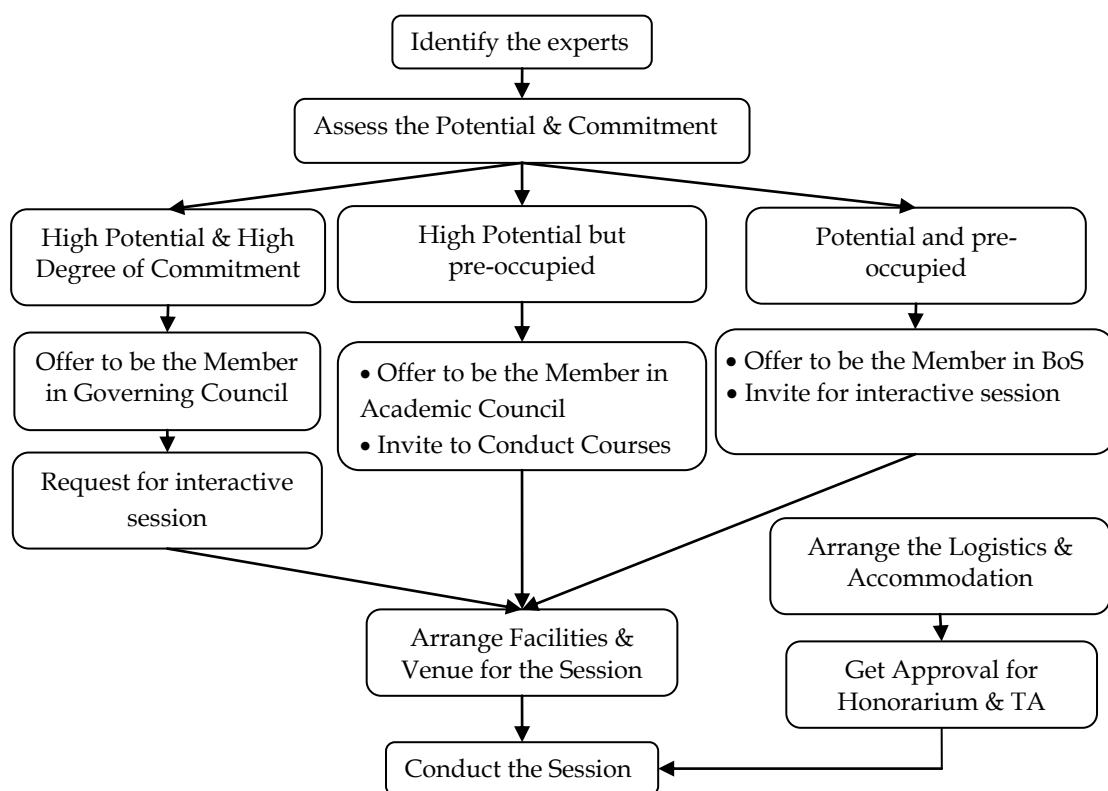
2.3.3 and 2.3.4

- All theory courses predominantly follow the lecture method. Apart from the regular lecture method an informative method of teaching known as 'Creative Learning Methodology (CLM)', layered-learning/learning by doing/ project method are followed for all theory courses,. CLM is a student centered approach in which every student is engaged for the entire hour. CLM consists of major steps to provide opportunity to every student to Remember, Understand, Apply, Analyze, Evaluate and Create through self learning, peer-learning, layered learning, group-learning and projects from I year onwards. It also provides opportunity to improve, to learn, develop thinking skills, communication and presentation skills of students and gain hand-on experience through project work, lab experiments, and presentation of papers in seminars. Besides the class room interaction, following methods are also adopted:
 - Alumni Interaction
 - Seminars/workshops
 - Field work/ industrial visits / Internships
 - Assignments
 - Hands on Training/learning by doing
 - Self study topics
 - Mini/Major projects
 - Webinars
 - NPTEL/NITTTR courseware

- College follows the Outcome Based Education, which focuses on learner-centric approach in terms of graduate attributes, in all the UG and PG programmes.
- For holistic development of students regular Yoga classes and Personality Development Programmes with specialized faculty members are conducted. Further the students are advised and motivated to participate in other extracurricular activities, NCC and NSS programmes.
- Performance Indicators have been implemented to monitor the performance of the students and making necessary corrective actions by the students themselves.
- Students are invited to participate in the Boards of Studies and Academic Council meetings of various UG and PG programmes and are free to offer their suggestions.
- To inculcate the habit of lifelong learning, the curriculum has flexibility such as:
 - ✓ Self study electives (subject studied by the students without regular classroom teaching)
 - ✓ One credit courses (subjects handled by industry experts)
 - ✓ Special courses (Subjects studied by students and evaluated by internal seminars and viva voce)
 - ✓ Seminar presentation and active participation
 - ✓ Assignments and self-learning topics
 - ✓ Mini projects
 - ✓ Industry oriented projects
 - ✓ Internships
 - ✓ Design and fabricate Working model and participate in contest
 - ✓ Educational tours
 - ✓ Industrial visits and training to know about contemporary industrial practices.
 - ✓ Technical paper presentation in other institutions
 - ✓ Add on courses conducted by the industries

2.3.5 What is the College policy on inviting experts / people of eminence to provide lectures / seminars for students?

Experts with commitment are identified by the faculty members and names are given to quality circle of IQAC for inviting them on regular basis and their services are utilized for the development of research and curriculum.



2.3.6 What are the latest technologies and facilities used by the faculty for effective teaching? Ex: Virtual laboratories, e-learning, open educational resources, mobile education, etc.

- Multi-media projectors in the classrooms
- Power point presentation
- E-learning through edusat programmes
- Computers with internet facilities in all classrooms
- E-books / E-lesson plans
- Language laboratory
- Open source lab
- You Tube and TEDx videos,
- Seminar through webinar
- 3D printing Lab
- Wi-Fi in Hostels
- Models for Demonstration
- Facilities available in the Learning Centre include
 - ✓ Discussion rooms
 - ✓ Digital Library
 - ✓ Wi-Fi connectivity
 - ✓ Reading rooms
 - ✓ Project reports
 - ✓ Reference books

- Participation in the MHRD-NMICT activities – (i) as one of the three NBA – Nodal Centre for training of Evaluators for Outcome Based Accreditation and (ii) IIT Bombay and IIT Kharagpur for conducting Webinar based training programmes in Engineering and Technology.

Majority of the staff members are trained to operate all the equipments in every department.

2.3.7 Is there a provision for the services of counselors / mentors/ advisors for each class or group of students for academic, personal and psycho-socio guidance? If yes, give details of the process and the number of students who have benefitted.

Yes.

- Mentors are allotted for every class of students for academic and personalrelated activities.
- Mentor is allotted for every 15 – 20 students. They provide personal and psycho-socio guidance to the students.
- Class committee meetings are conducted thrice in every semester to convey the needs of the students and their grievances if any, which are addressed immediately.
- Doctors (Male and Female) are available in the campus (24x7).
- Health camps (off-campus) are conducted regularly to identify the physical problems of the students.
- Professional Counselor is available for attending specific cases on need basis.
- Matrons and supervisors have been appointed in the hostels to address the needs of boys and girls.

2.3.8 Are there any innovative teaching approaches/methods/ practices adopted/put to use by the faculty during the last four years? If yes, did they improve the learning? What methods were used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching?

Yes.

- **Innovative teaching approaches/methods/ practices adopted/put to use by the faculty**
 - ✓ A new teaching methodology called Creative Learning Methodologyis being adopted to improve the teaching-learning process that includes activities like Evocation, Teaching, Reading and Discussion, Mind Map Drawing by students and faculty, Summary,Presentation by Students and Assessment in every class.
 - ✓ Layer learning / project based learning / learning by-doing methodology adopted from I year onwards in addition to regular classroom and lab practices.

- **Improvements in the learning**
Improvements are visible in terms of student participation in inter-collegiate competitions that include paper presentation, poster presentation, project presentation, participation in national and international conferences and symposia.
- **Methods were used to evaluate the impact of such practices**
 - ✓ Feedback from students on curriculum, teacher and teaching methodology
 - ✓ Feedback from the faculty on performance of the students and other stakeholders
- **Faculty Recognition**
Due recognition is given to the contribution made by the faculty members in their Performance Appraisal under 7 different categories (Teaching-learning, examination results, responsibilities at Department and Institute level, publication / awards / patents, lectures delivered / proceedings, funded projects / consultancy services). It is also planned institution of incentives.

2.3.9 **How does the College create a culture of instilling and nurturing creativity and scientific temper among the learners?**

- Orientation programmes are conducted to the newly admitted students to introduce the academic culture, objectives and outcomes expected from the students.
- Mind map activity practiced in every class is an excellent tool to foster the thinking ability of the students.
- Scientists from premier institutions like Department of Science and Technology (DST), Department of Scientific and Industrial Research (DSIR), Council of Scientific and Industrial Research (CSIR), IITs and NITs are invited to interact with the students and share their experiences.
- Alumni members pursuing higher studies in India and abroad are invited to interact with the students and share the developments / on-going projects in their respective institutions.
- Institution motivates students to take up industry defined problems for their projects. To sharpen the critical thinking among students, various group discussions, debates, exhibition, seminars, workshops are organized in which students discuss and to present papers in seminars on any new ideas/emerging areas after referring to journals, books and consulting teachers. This

cultivates self-learning ability, lifelong learning skills, observation power, analytical mind, innovative thinking and creativity.

- Students are encouraged to opt for open electives, offered in other Departments to inculcate the interdisciplinary approach in problem solving.
- Students are encouraged to enroll Research Electives / Self-study Electives to introduce the life-long learning skills and scientific pursuits.
- Students Performance Indicators are developed to monitor and improve the creativity, competitiveness and overall achievements as suggested by Graduate Attributes of NBA.
- Value added courses, workshops and seminars are conducted in the emerging areas like 3D Printing, Cloud Computing, Big Data Analytics, Shuttle less Weaving, Technical Textiles, Sustainability Issues, Embedded Systems etc.
- A subject 'Creativity and Innovation' is taught to kindle the 'Out-of-Box' thinking ability of the students.

2.3.10 Does the College consider student projects a mandatory part of the learning programme? If so, for how many programmes is it made mandatory?

***Number of projects executed within the College**

*** Names of external institutions associated with the College for student project work**

*** Role of the faculty in facilitating such projects**

Yes.

- The College considers student project as mandatory for all the UG and PG programmes. All the UG and PG students carryout Phase-I and Phase-II Projects in the pre-final and final semester of the programme respectively. Besides, Mini projects are carried out every semester as prescribed in the curriculum starting from first year.
- Students submit the project proposals to various funding agencies like TNSCST, Villgro, My Idea Contest and other private agencies.
- Students are encouraged and financially sponsored to carry out innovative projects for a National level technical symposium FUTURA every year. Besides, the best projects are identified and awarded the cash prize of Rs 1 lakh as first prize, Rs.50,000/- as second prize and Rs 25,000 as third prize. Besides few consolation prizes also awarded.

Names of the external institution associated with the college for student project work

- Students are permitted to approach the nearby industries for carrying out the project work.
- Student projects are sponsored by TNSCST, Villgro and other agencies on competitive basis (Annexure 1.1)
- Part of the funded projects (AICTE, DBT, DST, DRDO) received by the faculty members are given to the students
- Students are allowed to visit foreign Universities to do their project works through DST – Khurana Scheme

Role of the faculty in facilitating such projects

- The faculty member acts as the supervisor to guide and monitor the progress of project works.
- Necessary internal and external facilities and resources are arranged by the faculty members.
- Communicate with the industry or other institutions for accessing their facilities
- Supporting the students to prepare and submit the proposals for funding
- Review the project progress, through Project Review Committee, periodically and guide the students
- Assist the students to prepare papers for publication in journals / conference, symposia & seminars and IPR.

2.3.11 What efforts are made to facilitate the faculty in learning / handling computer-aided teaching/ learning materials? What are the facilities available in the College for such efforts?

i) Efforts that are made to facilitate the faculty in learning / handling computer-aided teaching/ learning materials

- Faculty Training Programmes are conducted whenever new systems are introduced.
- Every faculty member and student are provided with 30 GB storage space in the Google Cloud through Institute Partnership Programme with Google.
- Attendance posting, lesson plan uploading in the Cloud are facilitated through the Software Development Cell / Google Development Group of the College.
- Learning Centre of the College subscribes 6000+ e-journals for enhancing the teaching-learning process.
- NPTEL audio and video courses are available in the Learning Centre, accessible by both faculty and students.
- All faculty members have access to the Desk Top Computers,

Printers, Scanners and Projection systems.

- 75 Laptops are available in the College, for the faculty members for teaching – learning.
- Classrooms with Internet connectivity supplement the computer aided teaching.

ii) Facilities available in the College for the above said efforts

- Network Maintenance Cell (NMC) and Test and Repair Centre(TRC) for computing facility and Wi-Fi connectivity throughout the campus
- ~ 2000 computing systems with servers
- 100 Mbps Internet connectivity in the campus
- WiFi / Wired Internet connectivity in the Hostels and Staff Quarters
- 5 km underground OFC is available for quick data transfer
- Video conferencing facilities
- Centralized/ Personal computing system in the Internet Centre
- Print, Scan and Copy facilities in all the Departments
- Centralized servers for data storage and retrieval
- Email for all students and faculty in bitsathy domain with 30 GB space
- Google cloud storage for campus automation

2.3.12 Does the College have a mechanism for evaluation of teachers by the students / alumni? If yes, how is the evaluation used in achieving qualitative improvement in the teaching-learning process?

Yes.

- Feedback on each faculty member is received thrice in a semester from the students on all the taught courses.
- A rubric based on Likert's Scale is used for getting the feedback on faculty and the outcomes of the feedback are given to the concerned faculty members for further improvement / information.
- Faculty members with lower feedback rating (< 3 on Likert's Scale) are counseled by the concerned Heads of the Department and the Principal, if required.
- Necessary corrective actions are taken by the concerned faculty members.

- 2.3.13 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If yes elaborate on the challenges encountered and the institutional approaches to overcome these.**

No

- 2.3.14 How are library resources used to augment the teaching-learning process?**

Learning Centre houses a wide variety of resources like books, journals, standards, e-resources, courseware, CD-ROMs and video cassettes to assist teaching learning processes. Outsourced courseware are made available in the Learning Centre such as National Programme on Technology Enhanced Learning (NPTEL), Massachusetts Institute of Technology (MIT) and National Technical Teacher Training and Research (NITTT&R) in addition to e - resources and web based tutorials to augment teaching - learning. Other facilities available in the Learning Centre include

- Discussion rooms
- Digital Library
- Wi-Fi connectivity
- Reading rooms
- Project reports
- Reference books
- Reprography

- 2.3.15 How does the institution continuously monitor, evaluate and report on the (i) quality of teaching, (ii) teaching methods used, (iii) classroom environments and (iv) the effect on student performance.**

(i) Quality of teaching

- Course materials of all the subjects are prepared by the respective faculty and uploaded in the Google Cloud and they are shared with the students.
- Teaching process is monitored through feedback from students. Academic Resource Cell (ARC) requests a set of senior professors to evaluate the classroom teaching across various disciplines, randomly. Feedbacks are reviewed and appropriate actions are suggested.
- The report of student's feedback and regular monitoring help the faculty to improve their performance.

(ii) Teaching methods

- Classroom monitoring committee is formed with senior faculty members and HODs to monitor the teaching process of the faculty members

- The reports of the monitoring committee are analyzed by the HODs and Principal and remedial actions are taken.
- Feedbacks are obtained from the students on teaching methodology of faculty members at regular intervals.

(iii) Classroom environment

- Teaching resources (computers, LCD projectors, screen) are maintained through Academic Section & Test and Repair Centre, centrally.
- Common time-tables are prepared in coordination with Academic Section to ensure hassle free working conditions to the faculty members and effective classroom transaction.

(iv) The effect on student's performance

Monitoring	Evaluation	Reporting
Class Committee Meeting thrice in a semester	Observations made by Chairperson and Faculty Members	Report to Mentors and Head of the Department for further motivation
Monitoring through Mentors on continuous basis	Evaluation through Student Performance Indicator (14-point Indicator)	Monthly Report Prepared by Mentors, discussed in Department Meeting
Interaction during classroom teaching	Observations made by respective teachers	Report communicated to Mentors and Head of the Department
Participation in Association, Extra and Co-curricular Activities	Evaluation through Student Performance Indicator (14-point Indicator)	Monthly Report Prepared by Mentors, discussed in Department Meeting
Participation in Inter-collegiate Competitions	Evaluation through Student Performance Indicator (14-point Indicator)	Monthly Report Prepared by Mentors, discussed in Department Meeting
Performance in Periodical Tests, Assignments, Semester Examination	Marks scored in Tests, Assignments and Examination	Preparation of Test Performance Report (TPR) and Mark Sheet issued by CoE Office
Assessment during Laboratory Experiments	Evaluation through observations and results obtained at the end of the experiments	Feedback is given back to students and corrected immediately

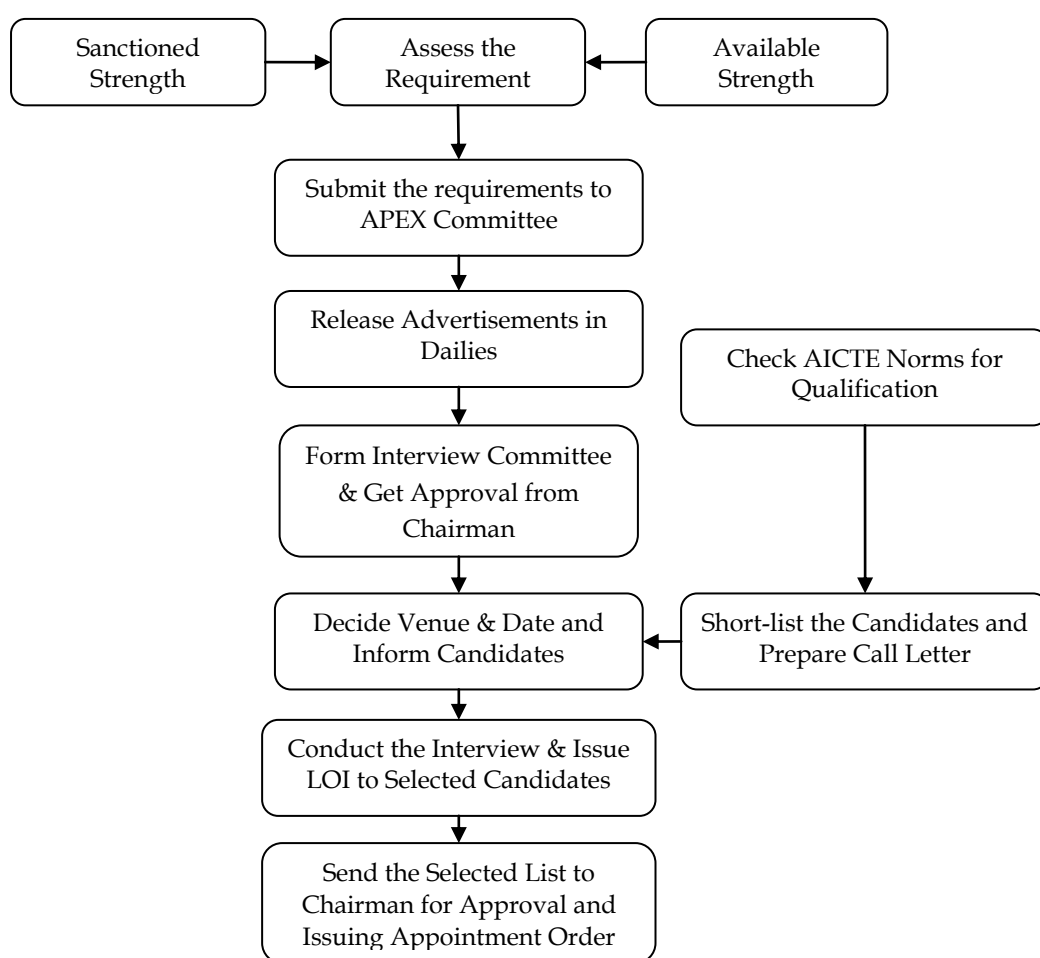
2.4 Teacher Quality

2.4.1 What is the faculty strength of the College? How many positions are filled against the sanctioned strength Sanctioned strength? How many of them are from outside the state?

Faculty strength :441
Positions filled : 441
Faculty Members from Other States : 11

2.4.2 How are the members of the faculty selected?

Faculty members are selected based on the vacancy position, increased in-take of students and starting new academic programmes as given below:



2.4.3 Furnish details of the faculty

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.	--	--	--	--	--	--	--
Ph.D.	31	7	14	4	25	6	87
M.Phil.	--	--	--	--	13	29	42
PG (ME/M. Tech/ M.C.A/M.S)	1	-	12	4	142	86	245
M.Sc./ MA.	-	-	-	-	5	5	10
MBA	-	-	-	-	5	1	6
MLIS	-	-	-	-	1	1	2
B.Sc/D.V.P	-	-	-	-	2	-	2
Temporary teachers							
Ph.D./ M.Phil./ PG	--	--	--	--	--	--	--
Part-time teachers							
Ph.D. / M.Phil./ PG	--	--	--	--	--	--	--

2.4.4 What percentages of the teachers have completed UGC-CSIR-NET, UGC-NET, and SLET exams? In that what percentage of teachers are with PG as highest qualification?

Department	UGC-NET and SLET	PG as highest qualification
Computer Applications	3.44%	100%
MBA	11.11%	100%
English	6.66%	100%
Maths	4.76%	100%

**2.4.5 Does the College encourage diversity in its faculty recruitment?
Provide the following departments-wise details.**

Department	% of Faculty who are product of the same College	% of faculty from other Colleges within the State	% of faculty from Other State	% of faculty from abroad*
Aeronautical Engineering	0	80		20
Civil Engineering	26.9	73.1	--	--
Computer Science and Engineering	43.2	56.8	--	--
Electronics and Communication Engineering	32.6	58.7	8.7	--
Electrical and Electronics Engineering	26.3	73.7	--	--
Electronics and Instrumentation Engineering	21.4	78.6	--	--
Mechanical Engineering	18.6	79.1	2.3	--
Mechatronics Engineering	0	100.0	--	--
Biotechnology	5.6	77.8	5.6	11.1
Fashion Technology	30	70	--	--
Information Technology	13.8	82.8	--	--
Textile Technology	0	61.5	30.8	7.7
Computer Applications	13.8	86.2	--	--
Management Studies	11.11	88.9	--	--
Mathematics	--	95.2	--	--
Chemistry	--	100.0	--	--
English	--	100.0	--	--
Physics	--	100.0	--	--

* - Educated in foreign Universities.

2.4.6 Does the College have the required number of qualified and competent teachers to handle all the courses for all departments? If not, how do you cope with the requirements? How many faculty members were appointed during the last four years?

Yes.

College has required number of qualified faculty to handle all the courses, as prescribed by the AICTE. The college recruits faculty members as per AICTE norms, based on the vacancy position, increase in-take of students and starting new academic programmes.

Academic year	Faculty Appointed
2013-14	81
2012-13	76
2011-12	35
2010-11	61

2.4.7 How many visiting Professors are on the rolls of the College?

No. However all the departments engage external experts for specific topics / areas (Annexure 3.2).

2.4.8 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, nomination to national/international conferences/Seminars, in-service training, organizing national/international conferences etc.)

Faculty Development and Welfare is one of the components in the Annual Budget. Measures of recharging include, sponsorship to conferences, seminars / workshops, internships in industry or premier institutions (IITs / NITs / Central Laboratories), encouraging research & providing seed money, paper presentation in seminars, conferences and publications in accredited journals, participation in career advancement programmes (PG & Ph D), refresher / orientation programme on teaching-learning, Faculty Retreat Programmes and Personal Effectiveness Programmes (Annexure 2.1)

2.4.9 Give the number of faculty who received awards / recognitions for excellence in teaching at the state, national and international level during the last four years.

- Dr. K. Sivakumar, Professor & Head, Department of Mechanical Engineering received the Anna University National Award for Outstanding Academic from ISTE, New Delhi for the year 2014.
- Dr. S. Valarmathy, Professor & Head, Department of Electronics and Communication Engineering, received the ISTE-Periyar Award for the Best Engineering College Teacher, Tamil Nadu and Pondicherry Section, ISTE, New Delhi for the year 2014.
- Dr. D. Saravanan, Professor & Head of the Department of Textile and Fashion Technology was awarded the ISTE - U.P. Government National Award 2013 for Outstanding Work Done in Specified

Areas of Engineering & Technology (Textile Technology) by ISTE, New Delhi.

- Dr. A. Amar Karthick, Associate Professor, Department of Mechanical Engineering was awarded the ISTE - SGSITS National Award 2013 for the Best Research Work done by Young Teachers (Below 35 yrs) of Engineering Colleges by ISTE, New Delhi..
- Dr. Arunava Das, Assistant Professor, Department of Biotechnology received the AICTE Career Award for the Young Teachers (CAYT) 2013.
- Dr. V. C. Uvaraja, Associate Professor of the Department of Mechanical Engineering received the Tamilnadu State Council for Science and Technology - Young Scientist Fellowship Award 2013.
- Dr. S. Valarmathy, Professor & Head of the Department of Electronics and Communication Engineering, received Shri P K Das Memorial Best Faculty Award -2013 from Nehru Group of Institutions, Coimbatore.
- Dr K. P. Kannan, Assistant Professor, Department of Biotechnology received the Young Scientist Award 2013 from *Padasala* – Education Today, Chennai.
- Mrs V Evelyn Brindha, Associate Professor, Department of Electrical and Electronics Engineering received a Category Award-Teaching Techniques from Myclassroom.com, a social e-learning platform.
- Mrs. C Kavitha, Assistant Professor of the Department of Physical Sciences received the Tamilnadu State Council for Science and Technology Young Scientist Fellowship Award 2013.
- Dr. A. Shanmugam, Principal was awarded Golden Educationist of India Award for Outstanding Achievements in the Field of Education by National & International Compendium, New Delhi for 2013.
- Dr. J. Ashok, Professor, Management Studies was awarded Best Faculty Award 2012 (Marketing Management) by Bloomberg UTV, Mumbai.
- Dr. V.N. Vijayakumar, Assistant Professor (Sr.Gr), Department of Physical Sciences received the Best NSS Programme Officer Award from Anna University-Chennai for the year 2011-12.

- Dr. B. Nagarajan, Associate Professor, Computer Applications secured “Best Computer Science Teacher Award 2012” by Association of Scientists, Developers and Faculties, Pondicherry.
- Dr. R. Hari Kumar, Dr. K. Paramasivam and Dr. C. Ganesh Babu, Department of ECE secured “Freescale Cup Intelligent Car Racing 2011 Dedicated Service Award” from M/s Freescale Semiconductors, Bengaluru.

2.4.10 Provide the number of faculty who have undergone staff development programmes during the last four years. (Add any other programme if necessary)

Staff Development Programmes	Number of Faculty Members
Refresher Courses	20
HRD Programmes	109
Orientation Programmes	43
Staff training conducted by the College	158
Summer / Winter Schools, Workshops	1211
Accreditation awareness program	34
Accreditation Resource Persons	6
Wipro Mission 10X	1
Infosys Campus Connect	3
HODs Training (@ Hotel Taj Savoy, Ooty)	12

2.4.11 What percentage of the faculty have

- been invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies
- participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies
- presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies
- teaching experience in other universities / national institutions and others
- industrial engagement
- International experience in teaching

Year	A	B	C	D	E	F
2013-14	5.07	72.84	17.76	49.49	4.82	0.25

2.4.12 How often does the College organize academic development programmes for its faculty, leading to enrichment of teaching-learning process?

SI. NO.	Programme	Frequency
1.	Faculty Orientation (New Recruits)	Atleast twice a year
2.	Curricular Development	Twice a semester
3.	Teaching-learning methods	Twice a year
4.	Examination reforms	HoDs Meeting, as and when convened

2.4.13 What are the teaching innovations made during the last five years? How are innovations rewarded?

The two major innovations are Creative Learning Methodology and layer learning. The reward is to be decided based on the feedbacks from the students, peers and external experts.

Other Innovative Practices through Regulations

Following other innovative measures have been implemented through regulations

- Mini-projects
- One-credit courses from III semester onwards
- Self-study electives / special electives
- Value added / Certificate Courses
- Technical Seminar with Credits
- Yoga as an integral part of curriculum

Classroom Teaching

- Conventional method of Teaching (55 Minutes) is replaced with Creative Learning Method (CLM) (75 Minutes)
- Institute has proposed a very interesting and informative method of teaching known as “Creative Learning Methodology”. CLM is a student centered approach in which every student is engaged for the entire duration of the class. This methodology ensures self learning, peer learning and group learning.
- Creative learning methodology is followed in every course, it comprises evocation and subject introduction, brain activation, reading and discussion by students, drawing mind map by students and faculty, presentation of summary by students.

- Theory courses with laboratory component, i.e. Layer -Learning/ Learning by doing/Project learning - every students gets an opportunity to learn theory and practice simultaneously, doing projects thereby referring literature published in the relevant area and developing skills (reading, writing and presentation/communication)

Supplementary Teaching

- Guest Lectures / Invited Lectures by Industry Experts
- Workshops / Value Added Courses
- Placement related Training
- Industry Visits
- Internships / Summer Training
- Organizing Seminars / Technical Symposia / Open Houses

2.4.14 Does the College have a mechanism to encourage

- ★ Mobility of faculty between institutions for teaching?If yes, how have these schemes helped in enriching quality of the faculty?

Yes.

- College provides on-duty permission to the faculty members to visit other institutions for sharing their academic experiences.
 - Faculty members act as the resource persons for national / international conferences, providing technical supports, delivering lectures and conducting mock audits for accreditation / autonomous systems.
 - College permits the faculty members to undergo short courses, pursue Ph.D in specialized areas in other institutions.
- ★ Faculty exchange programmes with national and international bodies?
 - Faculty members are encouraged to visit and stay in the national institutions like IITs / CSIR Laboratories for short duration to conduct part of the research.
 - Interested faculty members are encouraged to visit the Universities abroad for short duration (Dr A Jeevanantham, Professor or Electrical and Electronics Engineering visited University of San Diego and University of Texas on deputation).

2.5 Evaluation Process and Reforms

2.5.1 How does the College ensure that all the stakeholders are aware of the evaluation processes that are operative?

- Contents of the regulation book include: Rules and Regulations, Evaluation Process, Curriculum and Syllabi, and distributed among the faculty and students:
- Publication of regulations with evaluation process in the website for easy access to stakeholders

2.5.2 What are the major evaluation reforms initiated by the College and to what extent have they been implemented in the College? Cite a few examples which have positively impacted the evaluation management system?

Reforms carried out in these areas include:

- Question paper setting based on application of knowledge learnt and calls for innovative thinking
- Two level scrutiny system to ensure error-free question papers in Periodical Tests
- Multiple choice questions introduced with individualized question papers and evaluated through online mode.
- Dummy number system to ensure the fairness in evaluation
- Central valuation for all tests
- Automated calculation of internal marks through software
- Returning the answer papers within 3 days from the last date of periodical tests as per ISO.
- Preparation of Test Performance Report for analyzing test results and immediate corrective actions
- Information to the parents about the performance of their wards
- Provision for optional / improvement tests to students for genuine cases. It helps the slow learners to build their confidence.
- CCTV Security system in CoE Office
- End Semester Examination Question paper setting through external examiners
- Centralized examination schedule with Chairperson / Chief Examiner for every board
- Examiners are drawn from internal pool and setting of question papers jointly to assist external examiners.
- Publishing of results within 3 – 4 weeks from last date of the examinations
- Provision for applying revaluation after consulting with concerned faculty members (with answer paper)
- Supplementary exams immediately after the announcement of results.

- Statement of grades issued with students photographs
- Issuing the transcript on-demand, immediately

2.5.3 What measures have been taken by the institution for continuous evaluation of students and ensuring their progress and improved performance?

- 50% of total marks are awarded for the continuous evaluation / internal marks through periodical tests, model examination, assignment and innovative practices
- Evaluation after every test to ensure the understanding and improved performance in the examinations
- Periodical tests are conducted thrice in the semester at regular intervals
- Assignment system
- Displaying the internal marks for the students to take necessary precautions and score high marks in final examinations
- Students' performances are monitored continuously by respective mentors and taking appropriate actions to improve the performance as and when needed.

2.5.4 What percentage of marks is earmarked for continuous internal assessment? Indicate the mechanisms strategized to ensure rigour of the internal assessment process?

S. No.	Nature of the course	Marks for Internal Assessment	Method of Allotment
1.	Theory & Core Electives	50	Periodical test 1, periodical test 2, Periodical Test 3, Assignment, Innovative Practices & Attendance
2.	Practical	50	Preparation, Conduct of experiment, Observation, Experiment result, Record, Model Practical Exam and Viva-voce.
3.	Theory with laboratory component	50	Internal Exam, Assignment, Attendance, Observation & Result, Model Practical
4.	Special Electives	100*	State of Art, preparation, presentation, discussion & conclusion, viva-voce
5.	Self study electives	50	Periodical test 1, periodical test 2, Periodical test 3& Assignment
6.	Language electives	100	Internal Exam, Listening Test, Speaking Test
7.	Project work	50	Review of the project work throughout the semester
8.	Technical seminar	50	Oral Presentation and discussion marks

* Continuous evaluation

Mechanism/Method

Internal Marks are awarded based on the student's performance in periodical test 1, 2 and 3, Innovative Practices, assignments and the attendance of the students.

Academic Section, an independent body, of the College monitors and regulates the award of the marks in the Continuous Assessment. Academic Review Committee, a non-statutory committee recommended by UGC, conducts frequent / surprise check on this issue and report to the Principal.

2.5.5 Does the College adhere to the declared examination schedules? If not, what measures have been taken to address the delay?

Yes. Declared Examination schedules are adhered to.

2.5.6 What is the average time taken by the College for declaration of examination results? Indicate the mode / media adopted by the College for the publication of examination results e.g., website, SMS, email, etc.

- Internal test results declared in 3 days after the last examination date
- End semester examinations results are published in 3 - 4 weeks after the last examination
- In the case of internal tests, answer sheets are returned back to the students
- Semester examination results are published in printed version and also in the website of the College.

2.5.7 Does the college have an integrated examination platform for the following processes?

- Pre-examination processes – Time table generation, students seating arrangement list generation, and invigilators list preparation, List of squad members to monitor the examination process, attendance sheet preparation, online payment gateway, etc.
- Examination process – Examination material management, logistics.
- Post examination process – attendance capture, OMR based exam result, auto processing, generic result processing and certification.

Yes.

Pre – Examination processes

- The pre- examination process starts with gathering following information:
 - ✓ Preparation of panel of external examiners for question paper setting approved by Academic Council
 - ✓ Preparing the model question papers and sending it to examiners with a request to set the question papers

- ✓ Receipt of question papers from external examiners
- ✓ Question paper scrutiny by senior faculty members & Head of Department
- ✓ Panel of examiners for practical Examinations
- ✓ Generation of Attendance sheets, Hall tickets, Mark entry sheet
- Time table of End Semester Examinations is prepared and circulated among the Departments.
- A panel of external examiners is prepared. Question paper setting is done by the external faculty members. With respect to external examiners, after obtaining acceptance from them, pattern of question paper, syllabus and remuneration forms are sent to the examiners. The questions are validated / scrutinized by the team of expert members.
- Hall tickets are generated by the Office of Controller of Examination for eligible candidates as specified in the Regulations and issued individually before the commencement of the examination.
- Duty schedule for chief Superintendents, Hall invigilators and Attendance Sheets are prepared in advance by the office of Controller of Examinations.
- Physical arrangements for Examinations are appropriately made with regard to the seating arrangements for each student.

Examination processes

University appoints a Representative to oversee the conduct of the end semester examination. On the day of examination, the question paper packets are disbursed through the Chief Superintendent. Invigilators receive the duly packed question papers from the Controller of Examinations. A group of squad members monitor the exams for malpractices and for other discrepancies, if any, along with the invigilators. After the examination, the answer scripts are collected, sorted and placed inside the envelopes with proper seal.

Post Examination Processes

- Absentees list generation
- Labeling of answer papers and sealing the covers individually
- Storage of answer papers prior to valuation
- Appointment of examiners
- Meticulous Valuation of Answer Scripts
- Distribution of answer papers for central valuation
- Collection of marks and entry
- Result processing
- Convening the Result passing board meeting and declaration of result

Publication of Results

The office of the Controller of Examinations carries out the task of tabulating internal and external examination marks. The tabulated list are submitted to the Result Passing Board, for approval. After their approval, the results are published in print and uploaded in the website. Mark sheets are printed and given to the students through the respective Departments not later than 4 weeks from the last examination.

2.5.8 Has the College introduced any reforms in its Ph.D. evaluation process?

Reforms given by the Affiliating University are implemented in the evaluation of Ph D candidates from time-to-time.

2.5.9 What efforts are made by the College to streamline the operations at the Office of the Controller of Examinations? Mention any significant efforts which have improved process and functioning of the examination division/section?

Quality Management System (ISO 9000) has been implemented in the Examination Section to ensure a standardized process in various activities of the Office that include:

- Collecting the panel of examiners
- Question paper scrutiny by a team of faculty members
- Remuneration, TA and DA to examiners
- Central valuation at a common place
- Restricted access to COE office ensures the confidentiality in data storage and handling.
- Preparing Examination schedule for end semester examinations for both theory and laboratory courses one month in advance.
- Preparing a) The attendance sheet b) Invigilator schedule d) Seating arrangements prior to the exams.
- Schedule of Examinations and Academic calendar and other information related to the conduct of examinations are published in the college website.
- Result passing Board meeting constituted as per the guidelines.
- 24 hours power supply for uninterrupted service
- Printing and reprographic facilities
- Server facilities for data storage and safety with backup

2.5.10 What is the mechanism for redressal of grievances with reference to evaluation?

Internal Assessment and End Semester Examination

For Internal Assessment Tests, the written answer scripts are evaluated and given to the students for perusal and taken back after 15 minutes. All grievances regarding evaluation, including the correctness of answers and awarded marks are referred to the Grievance and Redressal Cell (GRC) through the Head of the Department. The GRC will take necessary steps if the grievance is genuine.

The Institution provides a photo copy of the answer script to the aggrieved person through the office of the Controller of Examinations.

Any request for grievance redressal shall be submitted within three days regarding internal evaluation and for end semester- one week.

2.6. Student Performance and Learning Outcomes

2.6.1 Does the College have clearly stated learning outcomes for its programmes? If yes, give details on how the students and staff are made aware of these?

Yes.

All the programmes have clearly defined outcome that are documented and approved by the Academic Council. Programme Educational Objectives and Learning Outcomes are displayed in the classrooms for easy access, published in the websites of the respective Departments.

2.6.2 How does the institution monitor and ensure the achievement of learning outcomes?

Achievements of learning outcomes are monitored through:

- Classroom teaching, Assignments, Test scores
- Academic audit
- Statutory Bodies of UGC (BoS and Academic Council)
- Evaluation and Examination Process
- Student Performance Indicators (SPI)
- Analysis of feedback from students

Detailed description of above aspects are given in the Annexure 2.2

2.6.3 How does the institution collect and analyze data on student learning outcomes and use it for overcoming barriers of learning?

The following process has been carried out for analyzing the attainment of learning outcomes and for the improvement of the system

Collection and Data Analysis

- Student's Test Performance Reports (TPR) and consolidated attendance through CAMPS software for every internal assessment exams.
- Assignments and Innovative Practices as per the academic schedule
- Internship Reports, Technical Seminars.
- Collection of Student's feedback confidentially through students mail
- Slow learner and the students with difficulties in learning are counseled by Counselor & trainer of the Institution.
- Semester Examination results
- Following Direct and Indirect Tools are used for analyzing the outcome

Direct Assessment Tools	Home Assignments, On-line Examinations Test and Examination Results
Indirect Assessment Tools	End-of-Course Evaluation Form, Graduate/Exit Survey, Alumni Survey, Employer Survey

2.6.4 Give Programme-wise details of the pass percentage and completion rate of students.

a) Under Graduate

Programme	No. of students Appeared				No. of Students passed				Pass Percentage			
	2009-10	2010-11	2011-12	2012-13	2009-10	2010-11	2011-12	2012-13	2009-10	2010-11	2011-12	2012-13
Civil	44	44	48	76	40	41	48	70	90.91	93.18	100.0	92.11
CSE	129	130	138	131	121	121	134	126	93.80	93.08	97.10	96.18
EEE	127	131	142	128	123	131	138	101	96.85	100.0	97.18	78.91
EIE	Nil	65	72	63	Nil	63	72	61	Nil	96.90	95.10	100
ECE	130	129	143	128	119	125	136	128	91.54	96.92	97.22	100
Mech	66	60	146	129	60	56	140	117	90.91	93.33	95.89	90.70
Aero	NA	NA	36	63	NA	NA	32	56	NA	NA	88.89	88.89
IT	127	130	143	131	121	128	141	117	95.28	98.46	98.60	89.31
TT	45	44	49	64	43	42	45	57	95.56	95.45	91.84	89.06
BT	28	47	55	47	28	47	54	46	100.0	100.0	98.18	97.87
FT	32	32	35	29	29	29	32	26	90.63	90.63	91.43	89.66
B.Sc CT	117	NA	NA	NA	107	NA	NA	NA	91.45	NA	NA	NA
B.Sc IT	30	NA	NA	NA	28	NA	NA	NA	93.33	NA	NA	NA

b) Post Graduate

Programme	No. of studentsappeared				No. of Studentspassed				Pass Percentage			
	2009-10	2010-11	2011-12	2012-13	2009-10	2010-11	2011-12	2012-13	2009-10	2010-11	2011-12	2012-13
M.Sc. SE	7	36	48	26	7	30	48	26	100	83.33	100	100
AE	5	17	18	17	5	17	18	17	100	100	100	100
CS	10	18	18	18	10	18	18	18	100	100	100	100
VLSI	15	17	18	18	15	17	18	18	100	100	100	100
CSE	2	17	18	20	2	17	18	20	100	100	100	100
ED	9	18	15	17	7	18	15	17	77.78	100	100	100
PED	6	19	17	18	6	19	17	18	100	100	100	100
SE	11	19	18	19	9	19	18	19	81.82	100	100	100
ES	NA	NA	NA	17	NA	NA	NA	17	NA	NA	NA	100
CAD/CAM	NA	NA	NA	17	NA	NA	NA	17	NA	NA	NA	100
ST	10	16	17	13	10	15	16	13	100	93.75	94.12	100
BT	10	18	18	13	10	18	18	13	100	100	100	100
M.B.A	113	54	52	53	113	53	51	45	100	98.15	98.08	84.91
M.C.A.	90	101	107	105	90	101	107	103	100	100	100	98.10

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 Does the College have a research committee to monitor and address the issues of research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact.

Yes. The College has a Research committee comprising Research Core Committee, Research Facilitation Committee and Research Coordinators from every academic Department. Actions had been taken based on the reports given by NAAC, NBA and UGC Expert Team. The functions of each committee are given below.

Name of the Committee	Functions
Department Research Coordinators	Department faculty initiate submissions of research proposals with financial needs for each project whether industry oriented/society oriented/advance of knowledge through the department coordinators of each department to the core committee.
Research Core Committee	Scrutinizing and recommend feasibility report and financial requirements for equipment, consumables, travel grants etc to the Apex Committee.
Research Facilitation Committee	Facilitate the use of the department facilities and arrange co-ordination between departments and outside agencies and recommend procuring equipments if required.

Recommendations and their Impacts

No	Recommendation	Implementation	Impact
1.	Provide Budget for new Research facilities	Heads of the Departments to include the research requirements in the budget	Additional facilities are created in the laboratories, Rs. 10.75 crores in the last 4 years.
2.	Research and publication needs both qualitative and quantitative improvement	Conference Proceedings and Publication in SCI Journals are given weightage in Faculty Performance Appraisal	570 Papers have been presented in Conferences 1138 Papers published in the last 4 years in various Journals.

No	Recommendation	Implementation	Impact
3.	Consultancy activities and testing need strengthening	Faculty team visits the industry on regular basis for interaction and exploring consultancy assignments	Rs 42.05 lakhs generated in the last 4 years and 4 consultancy (Mechanical, Textile, Electronics and Instrumentation and Biotechnology) worth Rs 43.40 lakhs in progress.
4.	Encourage the faculty members to pursue higher studies	Financial sponsorship extended to the faculty members pursuing Ph D	Rs 59.10 lakh has been reimbursed to 161 faculty members to pursue Ph D. 60 days on-duty leave extended to all the members. From past to present 25% of the faculty members have Ph D qualification
5.	Institute having 13 research centres, the regular Ph.D scholars be assigned teaching/ lab load as a part of early faculty induction programme.	Full time Ph.D scholars may be assigned part time teaching/ lab loads. 13 full-time Ph.D scholars have already registered and assigned part-time loads	This would facilitate early induction
6.	Establish Collaborative Centre for Research under Anna University	13 Centres have been established. (List enclosed in Annexure 3.1)	208 members pursue part-time Ph D 62 Scholars completed Ph D in the last 4 years
7.	Reimbursement of expenses related to project proposal preparation	Expenses related to uploading of proposals in AICTE Web portal and to other agencies are reimbursed.	Travel fair for presenting project proposals is reimbursed. Rs 4.10 lakhs sanctioned for uploading the proposals in AICTE Web portals during 2011-12 & 2012-13.
8.	Teachers Should be Motivated For Attending FDP/ Seminar/Symposia/ Conferences & Workshops	Provisions are given in the annual budget for sponsoring the members to conferences / FDPs	Faculty members are sponsored to attend these programmes. This is in practice right from the beginning. 38 conferences have been organized and 570 papers have been presented by the members of faculty in the last 4 years.

No	Recommendation	Implementation	Impact
9.	The institute should try for collaborative work and development at national and international levels	Key areas as given in Section 3.1.3 have been identified to establish collaborative centres	Institute has established the laboratories in collaboration with national and international organizations (Freescala, Sun Microsystems, Lectra, Festo, Axis Global Automation, Harita-Tech Serve, and Cognizant Technology Solutions).
10.	Enhance Interaction with premier Institutions	Faculty members to visit leading research labs and institutions	Faculty team visited BU-DRDO Life Science Centre, Pondicherry University, IGCAR, Chennai and CECRI, Karaikudi so far. A Team of Senior Professors from IIT Madras visited BIT on 25 Jan 2014 and interacted with the Departments to identify the potential areas in the departments and for collaborative research. Applied for 16 sponsored research projects totally
11.	To motivate the IPR culture	Reimbursement of the expenses related to registration of IPR.	16 Patents have been registered
12.	Allocate funds for research project	Proposal submitted to Apex Committee for approval without delay.	Rs 200 lakh has been earmarked for research during 2014-15

3.1.2 What is the policy of the College to promote research culture in the College?

- Suggestions / feedback given by the expert committees are taken note of and implemented for promotion of research culture in the College.
- Invite leading researchers and Heads of the research institutions to the Institute for interaction with faculty members and students.
- Incentivize research activities of the faculty members suitably.
 - ❖ Performance measurement indicators of the College (7-point

indicator) include Research and one of the major components.

- ❖ Faculty members are sponsored by the management for doing Ph.D. programme paying full tuition fees for 3 years.
- ❖ On-duty leave (60 days) is granted to the faculty pursuing Ph.D. for doing course work, attending workshops, Conferences, meeting of experts/ guides, thesis preparation.
- ❖ Faculty members who bring in sponsored research projects are given an incentive of 2.5 % of project cost by the management.
- ❖ Faculty members are sponsored for attending conferences in India/Abroad with financial support for T.A, D.A & Registration fees.
- ❖ Seed money of Rs. 2 Crores granted by the management to promote research every year.

3.1.3 List details of prioritized research areas and the areas of expertise available with the College

Prioritized Research Areas

- Renewable Energy Sources – sources including solar power, bioethanol production from agricultural wastes
- Bioprocess and Bioproducts – alternative processes and products using enzyme assisted process, hydrogels
- Cloud Computing – development of database management system
- New Materials – new products using natural materials
- Signal Processing – signals and image processing for speech recognition and medicine related applications
- E-Agri for watering the plants
- Non invasive Glucometer
- Nanotechnology

S.No	Prioritized Research Area	Faculty Members with Expertise
1.	Polymer Chemistry and Organic Synthesis	Dr.K.Subramanian Dr. P.S.Vijayanand Dr. Malathi Mahalingam Dr. M.Venkatesh Perumal
2.	Bioprocess / Bioproduct Technology, Food Processing	Dr.K.Balakrishnan Dr.G.S.Murugesan Dr.K.P.Kannan Dr.Arunava Das Dr.Gowarishankar Dr.D. Saravanan

S.No	Prioritized Research Area	Faculty Members with Expertise
3.	Image Processing	Dr.S.Valarmathy Dr. A.Wahi Dr. B. Nagarajan
4.	Signal Processing	Dr.R.Harikumar Dr.M.G.Sumithra Dr.C.Ganesh Babu
5.	Cloud Computing and Data Mining	Dr.C.Palanisamy Dr R V Nataraj Dr. A. Bharathi
6.	Communication, Networks and Security	Dr.P.Sampath Dr.G.M.Tamilselvan Dr.D.Sharmila Dr. D. Deepa
7.	Structural Engineering	Dr. N. Arunachalam
8.	Liquid Crystals	Dr.M.L.N. Madhu Mohan Dr. V.N.Vjayakumar Mrs. C. Kavitha
9.	Manufacturing, Tolerance and Optimization	Dr K Sivakumar Dr S Boopathi Dr G Rajamurugan
10.	Energy and Non-conventional Energy Systems	Dr M Ravikumar Dr S Jegadheeswaran Dr A Amarkarthik Dr.R.Ravikumar
11.	Power Electronics and Systems	Dr. A.Jeevanandham Dr. R.Senthil Kumar Dr. R.Bharani Kumar
12.	Technical Textiles	Dr.R. Perumalraj Dr. T. Gobi Kannan

3.1.4 What are the proactive mechanisms adopted by the College to facilitate smooth implementation of research schemes/ projects?

- advancing funds for sanctioned projects - ✓
- providing seed money - ✓
- Autonomy to the principal investigator/coordinator for utilizing overhead charges - ✓
- timely release of grants - ✓
- timely auditing - ✓
- Submission of utilization certificate to the funding authorities - ✓

In addition 2.5% incentive to faculty members who raise funds through sponsored projects by the management

The Apex Committee constituted by the Chairman enables the assistance to all the above without delay.

3.1.5 How is interdisciplinary research promoted?

***between/among different departments of the College and**

- Faculty and research scholars of various Departments are encouraged to register Ph D in the Inter-disciplinary areas.
- Faculty members are encouraged to submit the project proposals jointly involving different areas of engineering and technology.

S.No	Interdisciplinary Research	Faculty Member	Departments Involved
1.	Synthesis and Evaluation of Trimethylolpropane Triacrylate crosslinked Superabsorbent Polymers for Conserving Water and Fertilizers	Dr. K. Subramanian Mr V. Dhanapal Mr V. Vijayakumar	Biotechnology & Chemistry
2.	Development of an Intensive and Novel Technology for Ethanol Production using Fibrous Cotton Waste from Textile Mills in and around Coimbatore	Dr R Ravikumar Mr V Thanabal	Biotechnology & Textile Technology
3.	Single Stage Preparation and Finishing of Cotton Fabrics using Enzymes	Dr.D. Saravanan, Dr.N. S. Vasanthi, Dr.Arunava Das	Textile Technology & Biotechnology
4.	Nanosilver Coated Conductive Composite Materials for EMC	Dr. R. Perumalraj Dr R.Senthilkumar	Textile Technology & Electrical and Electronics
5.	Liquid Crystals and Displays	Dr M.L.M Mohan Dr V.N. Vijayakumar	Electronics and Communication & Physics
6.	Non-invasive Photo Plethysmographic based Glucometer for Mass Screening of Diabetes	Dr. R. Hari Kumar Dr.C.Ganesh Babu Dr. N.S. Vasanthi	Electronics and Communication & Biotechnology

***Collaboration with National/International Institutes / Industries.**

Laboratories are established in collaboration with Industry to foster interdisciplinary research. Industry sponsored consultancy works are executed in the College.

S.No	Interdisciplinary Research	Collaborating Institute / Industry	Departments Involved
1.	Embedded Systems	Freescall Semiconductors, Bangalore	Electronics and Communications
2.	Embedded Systems	Texas Instruments, Bangalore	Electronics and Communications
3.	Free Open Source Software	Sun Microsystems, US	Computer Science and Engineering
4.	Textile and Apparel CAD	Lectra, France	Textile Technology Fashion Technology
5.	Industrial Automation and Mechatronics	Festo, Germany	Mechatronics Electronics and Instrumentation
6.	Development of Personalized and Performance based E-Learning Tool for existing E - Resources	NIT, Durgapur IIT, Kanpur & Ministry of Communication and IT	Information Technology
7.	Toxin and Voltage Gated Sodium Channel Interactions: A Bioinformatic Approach of Structure-activity Relationships	Indo-Tunisian Collaborative Project	Biotechnology
8.	Toxin and Voltage Gated Sodium Channel Interactions: A Bioinformatic Approach of Structure-activity Relationships	Indo-Austrian Collaborative Project	Biotechnology
9.	Design and Development of Capacitance based Fuel Sensor	I ² Projects, Coimbatore	Electronics and Instrumentation, Mechanical Engineering
10.	Fault Detection System in Pencil Manufacturing	Nataraj Pencils, Pollachi	Mechanical Engineering Information Technology

S.No	Interdisciplinary Research	Collaborating Institute / Industry	Departments Involved
11.	Design and Development of Coir Rope Making Machine	Federation of Indian Coir Exporters' Association, Cochin	Textile Technology
12.	Practicum Programme On Mass Production Systems	New Zealand Institute of Fashion Technology	Textile Technology & Fashion Technology

3.1.6 Enumerate the efforts of the College in attracting researchers of eminence to visit the campus and interact with teachers and students?

College invites the researchers of eminence to visit and interact with faculty members and students for enhancing the R&D activities of institute. 70 experts have visited in the last 4 years as given in the Annexure 3.2.

3.1.7 What percentage of faculty have utilized sabbatical leave for research activities? How has the provision contributed to the research quality and culture of the College?

Sabbatical leave facility is not available, however, faculty members who want to go on short leave for the research work are granted to go on leave with full salary.

3.1.8 Provide details of national and international conferences organized by the College highlighting the names of eminent scientists/scholars who participated in these events.

39 conferences were organized during the last 4 years and details are given in the Annexure 3.3.

3.1.9 Details on the College initiative in transferring/advocating the relative findings of research of the College and elsewhere to the students and the community (lab to land).

- Department of Textile Technology has entered into an agreement with the Federation of Coir Exporters' Association, Cochin to Design and Develop a Machine for Converting Coir Fibres into Ropes (Under Progress 2014-15).
- Capacitance based Fuel Level Sensors developed by a team of students from the Department of Electronics and Instrumentation has been accepted by M/s Pricol Industries, Coimbatore during 2012 - 13.

- A conceptual design was submitted to M/s Pricol Industries, Coimbatore during 2012 - 13 on 'Drowsy Driver Detection System'.
- Power Generation through Bullock Cart Drive, a prototype developed by the student of Mechanical Engineering has been approached by the M/s Payoda Technologies during 2012 - 13.
- Mr. Prabhakaran (An Alumnus), one among the seven graduated incubatees from TBI, is running a natural drink manufacturing unit (with bank assistance of ~ Rs 30 lakhs) at present and is marketing four products in 5 districts of Tamil Nadu.
- Technology validation by an incubatee on Japanese quill eggs for pilot level value addition at BIT-TBI was successfully completed in December 2013
- Enzyme Cocktails as Feed Premixes has been commercialized by Mr M Prakash through Technology Business Incubator of the College during June 2011.
- Nutri-film to replace Petri Plates has been developed (July 2011) by Ms A G Anuja and awaiting the Technology Transfer through Technology Business Incubator.
- Brick Manufacture using granite waste has been commercialized by the students of Civil Engineering.
- Herbal Products (Biscuits) manufacturing has been implemented by the student of Electronics and Instrumentation Engineering during 2011-12.
- Automated Peeling Machine Tapioca Abrasive Peeler, fabricated by Dhandayuthapani of Mechanical Engineering was commercialized as a cost-effective solution to sago, starch-making sector and attracted many queries (<http://www.thehindubusinessline.in/bline/2006/08/12/stories/2006081203230800.htm>) during 2007.
- Development and commercialization of the following products by the students of the College, through TBI, are under progress.
 - a) Cellulose Coated with Antimicrobial used as Filter Cartridge (K Narendhar, Biotechnology),
 - b) Banana Fibre based Gauze Cloth (K Narendhar, Biotechnology)
 - c) Simplified Fruit Harvester (J Sundareswaran, Mechanical Engineering)

3.1.10 Give details on the faculty actively involved in research (Guiding student research, leading research projects, engaged in individual or collaborative research activity etc.)

Guiding student research

As per the curriculum, the students of U.G and P.G programmes have to complete a mini project / Phase I during their pre-final semester and major project / Phase II in their final semester. These are application oriented research projects. Hence, every semester all the faculty members of engineering and technology, management and computer applications are involved in guiding student projects. This practice is followed right from inception of the College.

In addition, project-method of learning is introduced for I& II year of students to inspire the students in research and entrepreneurship.

Leading research projects / engaged in individual or collaborative research

i) Guiding Research Scholars

225 research scholars have registered with 38 supervisors in the College and list of supervisors and scholars attached with the supervisors are given in the Annexure 3.4.

ii) Executing Funded Research Projects

41 funded projects worth, Rs 1474.41 lakhs are executed and the details are given in the Section 3.2.5.

3.2 Resource Mobilization for Research

3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization for last four years.

10 to 15% of the total budget is allocated for Research and Development related activities. Major heads of the budget and actual expenditures are given below:

Year	Expenditure Head	Budget (Rs in Lakhs)	Actual (Rs in Lakhs)
2009-2010	Capital Equipment	487.00	50.46
	Printing & Stationery	48.50	24.25
	Travelling Expenses	27.00	11.36
	Annual Maintenance Contract	27.00	13.00
2010-2011	Capital Equipment	520.00	69.82
	Printing & Stationery	51.00	57.25
	Annual Maintenance Contract	50.50	15.92
	Travelling Expenses	32.45	14.29

Year	Expenditure Head	Budget (Rs in Lakhs)	Actual (Rs in Lakhs)
2011-2012	Capital Equipment	239.54	322.64
	Printing & Stationery	21.40	53.92
	AMC	14.42	16.91
	Travelling Expenses	19.45	10.80
2012-2013	Capital Equipment	213.36	102.91
	Travelling Expenses	12.74	13.46
	Printing & Stationery	19.84	29.65
	Annual Maintenance Contract	10.39	20.75

3.2.2 What are the financial provisions made in the College budget for supporting student research projects?

Following provisions are given in the College budget to foster the research activities of the students.

- 15 – 20% of the annual budget is allotted for motivating the students in executing mini-projects, main projects, exhibits (during FUTURA) and Technical Clubs
- Subscription to e-Journals (Sciencedirect, EBSCO, IEL)
- Internet Centre / Connectivity with 100 Mbps band width and WiFi connectivity in the Hostels
- Providing laboratory facilities over and above the curriculum requirement.
- Regular assessment of students performance in R&D through Performance Assessment Indicators
- Reimbursement of expenses incurred towards presenting research papers in conferences held abroad (though it could not be a part of the annual budget due to the difficulty in foreseeing such expenses, the required amounts are sanctioned by the Management as and when required)
- Recognition of students research contribution during annual Achievers' Day celebration with cash awards
- Establishment of R&D Club and IPR Club with necessary financial support

3.2.3 Is there a provision in the institution to provide seed money to faculty for research? If so, what percentage of the faculty has received seed money in the last four years?

Yes. Faculty Members pursuing Ph D programme are provided with seed money to take care of the research expenses. Following Table shows the amount distributed to the faculty members in the last four years.

Year	Faculty Members on Roll	Number of Faculty Members availed Seed Money	% of Faculty	Total Grant (Rs)
2012-13	392	56	14.30	848850.00
2011-12	382	78	20.10	1595300.00
2010-11	373	89	24.10	2211000.00
2009-10	313	58	18.60	943100.00
Total Grant (Rs)				5598250.00

3.2.4 Are there any special efforts made by the College to encourage faculty to file for patents? If so, provide details of patents filed and enumerate the sanctioned patents.

Yes.

- Faculty members and students are motivated and encouraged to register / file the patents for the intellectual properties and relevant expenses, fully sponsored by the Management.
- IPR Club has been created to bring awareness among students regarding the IPR related issues.
- 16 patents have been registered / granted since 2009

S No	Faculty Member	Name of the Invention	Patent Details
1.	Dr A Amarkarthick Mechanical Engg	Double Acting Power Take-off Device for Ocean Wave Energy Conversion	Indian Patent 253757, September 2012
2.	Dr A Amarkarthick – Mechanical Engg	Double Acting Power Take-off Device for Ocean Wave Energy Conversion	PCT/IN2009/000132
3.	Dr D Saravanan Textile Technology	Single Stage Process for Preparation and Biopolishing of Cotton Fabrics using Enzymes	Indian Patent 814//Del/2010
4.	S.Gowtham Ram - Mechanical Engg	Stop and Restart System of an Idling Petrol Engine	Indian Patent 2595/CHE/2010

S No	Faculty Member	Name of the Invention	Patent Details
5.	M Gokul Raj Aeronautical Engg	Water Flow Control System by Feet	Indian Patent 3292/CHE/2010
6.	Mr. G Sivaraj Aeronautical Engg	Aerodynamic drag reduction of hatch back car using base bleed	Indian Patent 3777/CHE/2010
7.	Mr. G Sivaraj Aeronautical Engg	Optimization of vortex generator of sedan car for reduction of aerodynamic drag	Indian Patent 3778/CHE/2010
8.	C Senthil Kumar Mechanical Engg (Engg Design)	Novel Bicycle Pump using Pedaling Energy for Air Filling Attachment	Indian Patent 1903/CHE/2012
9.	M Gokul Raj Aeronautical Engg	Way to Increase Rotation Efficiency of Wind Turbine Blade using Turbulator	Application submitted on 09.04.2013
10.	Dr.K.L. Senthil Kumar Mechanical Engineering	Lathe Chuck Key Safety Locker	Indian Patent 1384/CHE/2013 dt 08.04.2013
11.	Mr. Thilak Vadicherla FashionTechnology	Reversible Garment – Casual and Formal Wear	Application submitted on 27.08.2013
12.	Technology Business Incubator	Twin Impace Model of Embedded Nutri-film Bioreactor Curtailing Heat Transfer Problem.	4752/CHE/2013 dt 22/10/2013
13.	Technology Business Incubator	Cell Crowding based Bacterial Bio-fertilizer / Bio-inoculants for Agriculture.	532/CHE/2013 dt 08.02.2013
14.	Technology Business Incubator	Simulated Earthworm – A Biomimetic modular unit based bio-film assisted bio-degradation system	531/CHE/2013 dt 08.02.2013
15.	Technology Business Incubator	Self-safe formulations of sugarcane juice based natural	4751/CHE/2013 dt 22.10.2013
16.	Thilak Vadicherla Fashion Technology	Design of saree cum chudidhar	Application submitted

3.2.5 Provide the following details of ongoing research projects:

	Year-wise	Number	Name of the Project	Name of the Funding Agency / Industry	Total Grant Received (Rs Lakhs)
A. College Funded					
Minor Projects	2009 - 2013	161	Research work related to Ph D of the faculty members	-	59.10
	2012 - 2013	1	Establishment of GE - Power Systems Engineering Laboratory	-	6.10
Major Projects	2007 - 2012	1	Technology Business Incubator	-	131.00
	2010 - 2011	1	Establishment of CA - Networking Laboratory	-	56.00
	2013 - 2014	1	Centre for Industrial Automation	-	32.00
B. Other Agencies - national and international (specify)					
Minor Projects	2012-2013	1	Entrepreneurship Awareness Camp	EDI, Ahmedabad	0.65
	2012-2013	1	Wireless systems	DRDO, New Delhi	4.40
	2012-2013	1	Building Blocks	TNSCST, Chennai	2.00
	2011-2013	1	Scale-up Process of Single Stage process for preparation and finishing of cotton fabrics using enzymes	DBT, New Delhi	4.93
	2011 - 2013	1	Design of Printed Dipole Antennas for UHF-RFID Reader in Stock Control Application	AICTE, New Delhi	8.10
	2012 - 2013	1	Establishment of Cloud Computing Laboratory	AICTE, New Delhi	6.50
	2012 - 2014	1	Utility based Cloud Mining in Social Application	AICTE, New Delhi	6.00

	Year-wise	Number	Name of the Project	Name of the Funding Agency / Industry	Total Grant Received (Rs Lakhs)
	2012 - 2014	1	Non-invasive Photo Plethysmographic based Glucometer for Mass Screening of Diabetes	ICMR, New Delhi	9.82
	2012 - 2015	1	Molecular Characterisation and Evaluation of Antibacterial Property of Novel Bacteriocin Useful for Biopreservation and Control of Bovine Mastitis	AICTE, New Delhi	8.17
	2012 - 2015	1	Knowledge Extraction using Spatial Datamining for Entrepreneurs	DST, New Delhi	7.95
	2012 - 2015	1	Development of Software to Increase the Data Availability and Security in the Cloud Computing Environment and Recovery Data from Disaster	AICTE, New Delhi	9.40
	2012-2015	1	Automation of Level Control of Non-Liner Tanks (Spherical and Conical)	AICTE, New Delhi	8.20
	2013 - 2014	1	Modernization of Mobile and Pervasive Computing Laboratory	AICTE, New Delhi	8.00
	2013 - 2014	1	Establishment of Forensic Laboratory	AICTE, New Delhi	6.75
	2013 - 2014	1	Innovation Promotion Scheme	AICTE, New Delhi	1.00

	Year-wise	Number	Name of the Project	Name of the Funding Agency / Industry	Total Grant Received (Rs Lakhs)
	2013 - 2015	1	Creation of Interactive and Brainstorming Math Portal	DST, New Delhi	9.27
	2013 - 2014	1	Toxin and Voltage Gated Sodium Channel Interactions	DST, New Delhi (Indo-Austrian)	3.82
Major Projects	2011 - 2014	1	Hand Vein Pattern Recognition	DRDO, New Delhi	13.50
	2012 - 2014	1	Investigation of Wire Electrode Vibration of Dry Wire-cut electrical Discharge Machine	AICTE, New Delhi	10.00
	2012 - 2014	1	Synthesis and Characterization of Novel Conducting polymers as energy efficient materials.	CSIR, New Delhi	11.40
	2012 - 2015	1	Dipod,tripod and tetrapod quinoline fluorescent chemosensors for transition metal ions- Preparation,characterrization and binding analysis	DST, New Delhi	25.25
	2012 - 2013	1	MODROBS - Weaving Laboratory	AICTE, New Delhi	14.66
	2012 - 2015	1	Clugene	DBT, New Delhi	11.96
	2013 - 2015	1	Compilation and Skill Requirement Analysis for IT Professionals	DST, New Delhi	13.63
	2012 - 2014	1	Development of Personalised and Performance based E-Learning Tool for existing E-Resources	Ministry of Communication & IT, New Delhi	10.60

	Year-wise	Number	Name of the Project	Name of the Funding Agency / Industry	Total Grant Received (Rs Lakhs)
	2012 - 2015	1	Toxin and Voltage Gated Sodium Channel Interactions	DST, New Delhi (Indo-Tunisian)	29.00
	2012 - 2015	1	Investigation the Performance of Electric Discharge Machine using CRB2-Cu Electrode	AICTE, New Delhi	20.43
	2012 - 2015	1	Design and Implementation of Analog Beamforming system using Microstrip Conformal Phased Array Antennas for Noninvasive Breast Cancer Detection	AICTE, New Delhi	12.00
	2012-2015	1	Centre for Industrial Automation and Data Analysis	AICTE, New Delhi	100.00
	2013-2014	1	Liquid Chromatography for Biomolecules Characterization	AICTE, New Delhi	12.40
	2013 - 2014	1	Modernization of Concrete Laboratory and Structural Engineering Laboratory	AICTE, New Delhi	10.00
	2013 - 2016	1	Endophytic Fungi from Medicinal Plants of Sathyamangalam Forest as a Source of Medicinally Important Biomolecules with Special Reference to Camptothecin	DRDO, New Delhi	10.52

	Year-wise	Number	Name of the Project	Name of the Funding Agency / Industry	Total Grant Received (Rs Lakhs)
	2013 - 2016	1	Efficient Optical and Energy Storage Asses of H-bonded Supramolecular Liquid Crystals	DST, New Delhi	19.15
C. Industry sponsored	2012 - 13	1	Festo Sponsored Industrial Automation and Mechatronics	FESTO, Germany	400.00
	2012 - 13	1	Lectra Sponsored Textile and Apparel CAD	Lectra, France	360.00
	2013 - 14	1	Texas Instruments Sponsored Analog Systems Laboratory	Texas Instruments, Bangalore	0.75

3.2.6 How many departments of the College have been recognized for their research activities by national / international agencies (UGC-SAP, CAS, DST-FIST; DBT, ICSSR, ICHR, ICPR, etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthrough due to such recognition.

SI. No	Name of the Department	Funding Agency	Total Amount Received (Rs in Lakhs)	Impact
1.	Computer Science and Engineering	AICTE, New Delhi	114.50	Establishment of Research Park , Cloud Computing and Data Analytics Laboratories
2.	Electronics and Communications	DST, New Delhi	18.00	Development of Liquid Crystals
3.	Textile Technology	DBT, New Delhi	10.10	Development of New Process. One Patent registered. 2 research scholars completed Ph D
4.	Mechanical Engineering	AICTE, New Delhi	30.43	Electro Discharge Machining Laboratory. 2 scholars completed Ph D.

3.2.7 List details of completed research projects undertaken by the College faculty in the last four years and mention the details of grants received for such projects (funded by Industry/National/International agencies).

25 projects were completed during the last 4 years with total grant of Rs 175 lakhs and the details are enclosed in the Annexure 3.5.

3.3 Infrastructure for Research

3.3.1 What efforts are made by the College to keep pace with the infrastructure requirements to facilitate Research? How and what strategies are evolved to meet the needs of researchers?

- ❖ Provision is made every year to create the research related infrastructure in the annual budget.

Year	Total Budget (Rs in Lakhs)	Budget for Research (Rs in Lakhs)
2010 - 2011	2970.00	63.00
2011 - 2012	3000.00	30.60
2012 - 2013	3279.41	10.93

- ❖ Collaborative Laboratories are established, jointly with the industry (Sun Microsystem, Freescale, Texas Instruments, Axis Global Automation, Festo, Lectra) in the frontier areas.
- ❖ Continuous up gradation of learning centre in terms of increasing number of subscribed print/e-journals (Construction of new 5-storey building, subscription of 6000+ journals).
- ❖ Under the various funding schemes new laboratory facilities are established with total grant of Rs.160 Lakhs.

Department	Funding Agencies	Period	Area for Infrastructure Development	Amount (Rs in Lakhs)
Computer Science and Engineering	AICTE, New Delhi	2013-14	Modernization of Mobile and Pervasive Computing Laboratory	8.00
Biotechnology	AICTE, New Delhi	2013-14	Liquid Chromatography for Biomolecules Characterization	12.40
Civil Engineering	AICTE, New Delhi	2013-14	Modernization of Concrete Laboratory and Structural Engineering Laboratory	10.05
Computer Science and Engineering	AICTE, New Delhi	2012-15	Centre for Industrial Automation and Data Analysis	100.00

Department	Funding Agencies	Period	Area for Infrastructure Development	Amount (Rs in Lakhs)
Computer Applications	AICTE, New Delhi	2013-14	Modernization of Digital Image Processing Lab	8.75
Textile Technology	AICTE, New Delhi	2012-13	MODROBS - Weaving Laboratory	14.66
Computer Science and Engineering	AICTE, New Delhi	2012-13	Establishment of Cloud Computing Laboratory	6.50

3.3.2 Does the College have an information resource centre to cater to the needs of researchers? If yes, provide details on the facility

Yes.

- College has a centrally air – conditioned, five-storyed Learning Centre with an area of 78,437 sq.ft.
- Learning Centre provides an ambience conducive for research with the support of 6000 + journals (IEEE, ASME, Springer and Elsevier), 77,000 volumes of text and reference books with easy traceability.
- Digital library has been established with 100 Desktop PC systems with internet facility to access e-resources.
- All the faculty members have the access to the 100 Mbps internet connectivity in the Department itself.
- Establishment of Research Park/centre with necessary resources are under progress (sponsored by AICTE, New Delhi)

3.3.3 Does the College provide residential facilities (with computer and internet facilities) for research scholars and faculty?

Yes.

- Furnished accommodation with 24 Hrs power supply and water supply are provided in residential quarters to the faculty members.
- Open - access to 100 Mbps internet is part of an extensive information network connecting the campus.
- Internet connections are given to all the houses in the faculty quarters.
- Wi-Fi facility has been provided in the hostels for the students, research scholars and unmarried faculty members (staying in hostel blocks).

3.3.4 Does the College have a specialized research centre/ workstation to address challenges of research programmes? If yes, give details.

The College does not have specialized research centre, however a research centre is to be established with the initial cost of Rs.1 Crore.

The following work stations are available.

- BIT- Technology Business Incubator (TBI) was established in 2007 with the financial support of DST, New Delhi. It is an institutional mechanism to help and promote knowledge driven and technology intensive enterprises in application of Biotechnology in Agro, Industrial and Rural sectors.
- FESTO Centre for industrial automation and Mechatronics is fully sponsored by FESTO Germany to carry out collaborative research activities in the area of Electrical drives, Robotics, Sensors, Process Automation, Fluidic Design, Mechatronics and Automation Systems.
- Sun Microsystems has partnered with BIT and established a Sun Centre of Competency in the Institute with an objective to develop open-source tools for Education, Research and Industry.
- Liquid Crystal Research Laboratory of BIT (LCRL - BIT), established in 2004 and nested in the Electronics and Communication Engineering Department.
- BIT has established laboratories in the frontier areas like VLSI and Embedded Systems in collaboration with Texas Instruments and Freescale Semiconductors respectively.
- BIT has signed MOU with Cognizant Technology Solutions for students to develop projects during final year.

3.3.5 Does the College have research facilities (centre, etc.) of regional, national and international recognition/repute? Give a brief description of how these facilities are made use of by researchers from other laboratories.

Yes.

- The College has established the Technology Business Incubator, accessible for research and developing new products.
- Department of Textile Technology has DC Atmospheric Plasma Reactor, a unique facility, utilized by the students and research scholars from various institutions within Tamil Nadu and nearby States.
- Department of Electronics and Communications has established the facilities related Liquid Crystals and Instruments for Characterization, availed by many researchers. The Department has also established the facilities in the field of Embedded System through BIT-Freescale Semiconductors Ltd collaborative research.
- Department of Biotechnology has established the facilities for Molecular Diagnostics and Quality Control, sought after by many researchers from nearby institutions. Department of Biotechnology has also established a research laboratory in the field of Venom Protein

analysis through DST Sponsored Indo-Tunisian and Indo-Australian collaborative projects.

3.4 Research Publications and Awards

3.4.1 Highlight the major research achievements of the College through the following:

- ★ Major papers presented in regional, national and international conferences

Year	National / International Conference
2009 - 10	122
2010 - 11	82
2011 - 12	211
2012 - 13	155

- ★ Publication per faculty

Year	Total Publications	Faculty Members involved	Publication per Faculty
2009 - 10	117	86	0.430
2010 - 11	191	164	0.482
2011 - 12	219	831	0.381
2012 - 13	484	1011	0.360

- ★ Faculty serving on the editorial boards of national and international journals

S.No	Name of the faculty	Name of the journal	Role
1.	Dr.K.P.Kannan	International Journal of Research in Engineering and Technology	Editorial Team member
2.	Dr. B. Nagarajan	Coimbatore Institute of Information Technology International Journal	Editorial Board Member
		MAEJO, International Journal of Science & Technology, Thailand.	Editorial Board Member
		International Journal of Research and Reviews in Applied Sciences	Editorial Board Member
3.	Dr .G.Komarasamy	International Journal of Research in Engineering & Technology	Editorial Board Member
4.	Dr.R.Harikumar	International Journal of Soft Computing Engineering	Editorial Board Member
5.	Dr.P.Sengottuvelan	International Journal of Current Research	Editorial Board Member
		International Association of Computer Science & Information Technology Press	Editorial Board Member

S.No	Name of the faculty	Name of the journal	Role
6.	Dr. Amitabh Wahi	International Journal of Robotics and Mechatronics, UK	Editorial Board Member
		International Society for Research in Computer Science	Associate Editor
		Coimbatore Institute of Information Technology, International Journal	Editorial Board Member
7.	Dr. P.S. Vijayanand	International Journal of Research in Sciences	Member in Editorial Board

Besides, Faculty members of the College extend their services to the 145 Journals by reviewing the papers and offering expert comments (Annexure 3.6).

S.No	Name of the faculty	Name of the program	Organization/society
1.	Dr.D.Saravanan	Advancements in speciality textiles and their applications in material engineering and medical sciences on 29 th &30 th April 2014	Technical university of Liberec-Czech Republic & Kumaraguru College of Technology, Coimbatore, India.
2.	Dr.D.Sharmila	International Conference on Computing, Communication and Electrical Technologies - 2012	Vivekanandha Institute of Engineering and Technology for Women
3.	Dr. B. Nagarajan	ICCA (International Conference on Computer Applications) Awards - 2012	Association of Scientist, Developers and Faculty
4.	Dr. B. Nagarajan	National Conference on Recent Trends in Information Technology - 2012	R.M.K. College of Engg & Tech, Pudukkottai

★ Faculty members on the organization committees of international conferences, recognized by reputed organizations / societies

3.4.2 Does the College publish research journal(s)? If yes, indicate the composition of the editorial board, publication policies and whether it is listed in international database?

Two national journals are published but they are not listed in international database. The details are,

1. Indian Journal of Information Science and Services(ISSN 0973-8967)
2. Indian Journal of Engineering, Science, and Technology(ISSN 0973-6255)

Composition of Editorial Board (for both the Journals) include Editor (Principal), Associate Editor (Senior Professor) and 15 members from various Institutes / Universities of India and abroad

3.4.3 Give details of publications by the faculty: (2008 - 09 to 2012- 13)

1.	Peer-reviewed Publications (including multiple authors)	1138
2.	Monographs	23
3.	Chapters in Books	24
4.	Editing Books	7
5.	Books with ISBN Number	23
6.	Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.)	834
7.	Citation Index – Range / average	Min:1, Max:369 Average: 21.2
8.	SNIP	Min:0.03,Max:2.04
9.	SJR	Min:0.07,Max:2.54
10.	Impact Factor – Range / average	Min:0.13,Max:6.57 Average: 0.68
11.	h-index	Min:1, Max-10

3.4.4 Indicate the average number of successful M.Phil. and Ph.D. scholars guided per faculty.

5 Ph D scholars per approved supervisor have been produced in the last three years, on an average, successfully.

No	Name of the Supervisor	Department	No of Ph D scholars guided in last 3 years
1.	Dr Raja Murugadoss J	Civil Engineering	1
2.	Dr Sivakumar K	Mechanical Engineering	6
3.	Dr Prabha S U	Electrical and Electronics Engineering	3
4.	Dr Harikumar R	Electronics and Communication Engineering	2
5.	Dr Shanmugam A	Communication Engineering	14
6.	Dr Natarajan A M	Computer Science and Engineering	11
7.	Dr Thangaraj P	Engineering and Information Technology	20
8.	Dr.K.Premalatha	Information Technology	1

No	Name of the Supervisor	Department	No of Ph D scholars guided in last 3 years
9.	Dr Amitabh Wahi		2
10.	Dr Sengottuvelan P		1
11.	Dr Nagarajan B	Computer Application	1
12.	Dr K Sadasivam	Physics	1
13.	Dr Lakshmi N M Mohan		3
14.	Dr Thiagarajan V	English	1
15.	Dr Ashok J	Management Studies	2

3.4.5 What is the stated policy of the College to check malpractices and misconduct in research?

Plagiarism is examined through OAPS, Turnitin (U.K. based), Docoloc(German) software by the College.

3.4.6 Does the College promote interdisciplinary research? If yes, how many inter departmental / inter disciplinary research projects have been undertaken and mention the number of departments involved in such an endeavour.

Yes. At present, there are 6 inter disciplinary research projects are carried out. Department involved in the inter-disciplinary research are

- i. Biotechnology
- ii. Mechanical Engineering
- iii. Electronics and Communications Engineering
- iv. Electronics and Instrumentation Engineering
- v. Information Technology
- vi. Mechanical Engineering
- vii. Textile Technology

S.No	Interdisciplinary Research	Faculty Member	Departments Involved	Funding Agency
1.	Synthesis and Evaluation of Trimethylolpropane Triacrylate crosslinked Superabsorbent Polymers for Conserving Water and Fertilizers	V. Dhanapal V. Vijayakumar Dr. K. Subramanian	Biotechnology & Chemistry	Department of Biotechnology, New Delhi
2.	Intensive and Novel Technology for Ethanol Production using Fibrous Cotton Waste from Textile Mills	Dr R Ravikumar Mr V Thanabal	Biotechnology & Textile Technology	Tamil Nadu State Council for Science & Technology, Chennai

S.No	Interdisciplinary Research	Faculty Member	Departments Involved	Funding Agency
3.	Single Stage Preparation and Finishing of Cotton Fabrics using Enzymes	Dr.D. Saravanan, Dr.N. S. Vasanthi, Dr.Arunava Das	Textile Technology & Biotechnology	Department of Biotechnology, New Delhi
4.	Nanosilver Coated Conductive Composite Materials for EMC	Dr. R. Perumalraj Dr C. Ganeshbabu	Textile Technology & Electronics and Communications	Defence Research and Development Organisations, New Delhi
5.	Liquid Crystals and Displays	Dr M.L.M Mohan Dr V.N. Vijayakumar	Electronics and Communication & Physics	Department of Science and Technology, New Delhi
6.	Non-invasive Photo Plethysmographic based Glucometer for Mass Screening of Diabetes	Dr. R. Hari Kumar Dr. N.S. Vasanthi	Electronics and Communication & Biotechnology	Indian Council for Medical Research, New Delhi
7.	Fault Detection in Pencil Manufacturing	Dr A Wahi Mr L Rajasekar & Dr A Amar Karthik	Information Technology Electronics and Instrumentation Mechanical Engg	Natraj Pencils, Pollachi
8.	Design and Development of Capacitance based Fuel Level Sensor	Mr K S Vairavel&Dr K Sivakumar	Electronics and Instrumentation & Mechanical Engineering	Pricol Industries, Coimbatore
9.	Drowsy Driver Detection System	Dr A Wahi Mr L Rajasekar Dr A Amar Karthik	Information Technology Electronics and Instrumentation & Mechanical Engineering	Pricol Industries, Coimbatore

3.4.7 Mention the research awards instituted by the College.

The College has instituted the Research Fund, sanctioned annually, to reimburse the expenses incurred by the faculty members to pursue Ph. D. For all the sanctioned research projects, 2.5% of the total grant is paid as an incentive / cash award by the Management.

3.4.8 Provide details of

★ research awards received by the faculty (Total awards: 10)

1. Mrs. C. Kavitha, Assistant Professor (Sr Grade), Physical Sciences received the Young Scientist Fellowship from TNSCST in 2014.
2. Dr. V.N.Vijayakumar Assistant Professor of the department of Physical Science has received a project grant under DST Young Scientist Fast Track Scheme in 2014.
3. Dr. Arunava Das, Assistant Professor (Sr. Grade) of the Department of Biotechnology received a research grant under Career Award for Young Teachers Scheme of AICTE, Govt. of India, New Delhi for the year 2013.
4. Dr A.Amarkarthik Associate Professor of the Department of Mechanical Engineering received ISTE - SGSITS National Award for the Best Research Work done by Young Teachers - 2013.
5. Dr. V.C. Uvaraj, Associate Professor, Mechanical Engineering received the Young Scientist Fellowship from TNSCST in 2013.
6. Dr K P Kannan, Assistant Professor of the Department of Biotechnology received the Young Scientist Award for the year 2013 from Padasala - Education Today Publications, Chennai.
7. Dr. Malathi Mahalingam Assistant Professor, Physical Sciences received research grant under DST Fast Track Young Scientist Scheme in 2012.
8. Dr.K.P.Kannan Assistant Professor (Sr.Grade) of the department of Biotechnology received the Fellow Award 2012 in recognition for the outstanding achievements and contributions to the field of Biotechnology by the Society for Applied Biotechnology
9. Dr. V.N. Vijaykumar, Assistant Professor (Sr Grade), Physical Sciences received the Young Scientist Fellowship from Tamil Nadu State Council for Science and Technology in 2011.
10. Dr.A.Shanmugam, Principal received the Prof.K.Arumugam National Award for "Innovative Research work in Engineering & Technology" for the year 2008 by Indian Society for Technical Education, New Delhi for Outstanding Research Work in Broadband Computer Networks & Wireless Networks.

★ recognition received by the faculty from reputed professional bodies and agencies (Total awards: 13)

1. Dr. K. Sivakumar, Professor and Head, Department of Mechanical received the Anna University National Award for Outstanding Academic for the year 2014 from ISTE, New Delhi.

2. Dr. S. Valarmathy, Professor and Head, Department of ECE, received the ISTE-Periyar Award for the best Engineering College Teacher for the year 2014, Tamil Nadu and Pondicherry Section, ISTE, New Delhi.
3. Dr.D.Saravanan, Professor, Textile Technology received ISTE-UP Government National Award for Outstanding Work Done in Specified Areas of Engineering and Technology (Engineering Colleges) in 2013.
4. Dr. P. Thangaraj, Professor, Computer Science and Engineering received the ICTACT Innovator Award - conducted by ICT Academy of Tamil Nadu (ICTACT) in 2013.
5. Dr A Shanmugam, Principal, was awarded the Golden Educationist of India for the outstanding achievements in the Field of Education by National & International Compendium, New Delhi, 2013.
6. Dr. S. Valarmathy received Shri P. K. Das Memorial Best Faculty Award – Senior from Nehru College of Educational and Charitable Trust, Coimbatore in 2013.
7. Mrs V Evelyn Brindha, Associate Professor of the Department of Computer Science and Engineering received the Category Award 2013 – Teaching Techniques from Myklassroom.com, a social e-learning platform.
8. Dr. B. Nagarajan received the Best Computer Science Faculty Award from Association of Scientists, Developers and Faculties organized by Techno Forum Group, Pondicherry in 2012.
9. Dr J Ashok, Professor, School of Management Studies has been awarded the Best faculty Award in the field of Marketing Management by Bloomberg UTV, Mumbai for the year 2012.
10. Dr. V. Devendran received Shri P. K. Das Memorial Best Faculty Award – Senior from Nehru College of Educational and Charitable Trust, Coimbatore in 2009.
11. Dr. B. Nagarajan received Shri P. K. Das Memorial Best Faculty Award – Senior from Nehru College of Educational and Charitable Trust, Coimbatore in 2009.
12. Mrs. V. Evelyn Brindha received Motorola Scholar Award for best project in 2013.
13. Dr.N.S.Vasanthi, Professor, Department of Biotechnology elected as Fellow of the Mycological Society of India in January 2009.

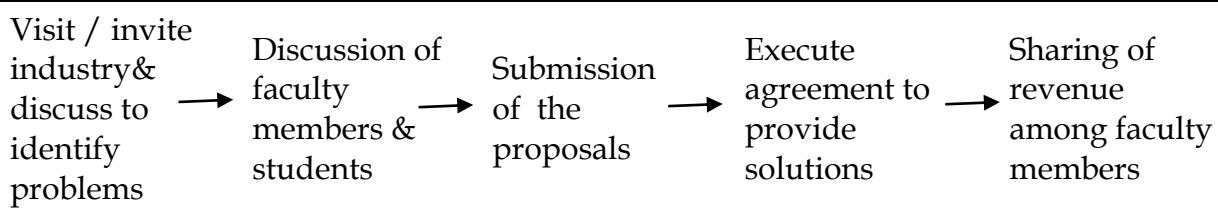
3.4.9 State the incentives given to faculty for receiving state, national and international recognitions for research contributions.

The management gives

- 2.5% incentives to faculty members by the management who raise funds through sponsored projects
- Travel expenses, accommodation and incidental expenses are reimbursed to the award winners.
- 100% filing charges for IPR

3.5 Consultancy

3.5.1 What is the stated policy of the College for structured consultancy? List a few important consultancy services undertaken by the college. **Policy for Structured Consultancy**



60:40 revenue sharing is followed between Faculty Members and Management in the case of consultancy.

Few important consultancy services undertaken by the College:

1. Design and Development of Capacitance based Fuel Level Sensor
2. Design and Development of Colour Lead Double Extrusion Cylinder Nozzle
3. Software Development for Drowsy Driver detection
4. Defect detection in Pencil Manufacturing
5. Electrical Drives
6. E-Governance System
7. Rice Mill Management System
8. Strategy Development / Business model development
9. Operational Efficiency
10. Project Implementation
11. Inventory Management
12. Competency mapping
13. Management Development programmes
14. Design and Development of Coir Processing Machine

3.5.2 Does the College have College-industry Cell? If Yes, what is its scope and range of activities?

Yes.

The College has an Industry Institute Partnership Cell (IIPC) sponsored by All India Council for Technical Education, New Delhi. Activities of the IIPC includes interaction with the industry for improvement of syllabus, offering one credit courses, evaluating project works, industry visits, training and internships to the students and faculty members, arranging guest lectures, to get consultancy assignments and sponsored projects.

3.5.3 What is the mode of publicizing the expertise of the College for consultancy services? Mention the Departments from whom consultancy was sought.

Expertise available in the College and the area of specialization are publicized through the website, advertisements given in the daily news, college newsletter, individual department websites, interaction with the industry during industrial visits and demonstrating the available facilities to the industry persons during annual open-house-cum-exhibitions. Following Departments are involved in the consultancy assignments and testing services:

- Biotechnology
- Civil Engineering
- Computer Applications
- Electrical and Electronics Engineering
- Electronics and Communication Engineering
- Electronics and Instrumentation Engineering
- Information Technology
- Management Studies
- Mechanical Engineering
- Textile Technology

3.5.4 How does the College encourage the faculty to utilize the expertise for consultancy services?

Monetary and non-monetary benefits are extended to the faculty members by the College to utilize their efforts towards consultancy assignments:

- Chief Executive of the College with the teams of faculty visits the nearby industries to popularize the expertise available in the College and scout-for the consultancy assignments.

- Programmes are organized to train the faculty members in the sophisticated instruments available in the College (DSC, Spectrophotometer, UT Tester, etc.)
- Members are encouraged to involve the students for execution of the assignments
- 60% of revenue generated in the consultancy projects / works are shared among the members involved

3.5.5 List the broad areas of consultancy services provided by the College and the revenue generated during the last four years.

- Testing and Characterization of Materials
- Management Development Programmes (MDP)
- Design and Development of Processes / Products
- Software Development

Rs 42.05 lakh generated in the last 4 years.

3.6 Institutional Social Responsibility (ISR) and Extension Activities

3.6.1 How does the College sensitize the faculty and students on Institutional Social Responsibilities? List the social outreach programmes which have created an impact on students' campus experience.

College undertakes ISR activities through organized forums like NSS, NCC, YRC and Clubs and Societies. Departments also undertake activities like organizing community development programmes, Employment oriented training, Entrepreneurship Development and Women training in commercial software. DST sponsored Technology Business Incubator has been established to promote entrepreneurial activities in the areas related to agriculture and agri-products.

Some of the outcomes from the student ISR based projects include:

- Mr. N Dinakaran, final year EEE, Mr. M Poopathy, final year Civil /NSS volunteers of BIT, Sathyamangalam, Erode were awarded the "Best Emergency Blood Donors" by Tamil Nadu State Blood Transfusion Council and Tamil Nadu State Aids Control Society in the Erode District, Tamil Nadu on 24.07.2013.
- S Menaka, IV B Tech TT received Dr GKD Memorial Award Scholarship for the year 2012 held at PSG College of Technology, Coimbatore on 15.09.2012.
- C H Susithra, IV BE EIE was selected one among the 12 nominees for Global Student Entrepreneur Awards and recognized as an Eco

Entrepreneur organized by South Asia India East 2012 at Kolkata on 28th July 2012.

- A Varun Krishna , III B. Tech. FT, and E K Muthuchelvah, III BE CSE were nominated as the Facilitators for ISTE Annual Convention - ISTE Workshop on Maximizing Impact on ISTE Objectives held at Anurag College of Engineering, Hyderabad during 19-22 December 2012.
- A Varun Krishna, III BTech FT, E K Muthuchelvah, III BE CSE, R Hanush, III BE EEE, B Ashwin Ram, III BE EEE and J Adhithya, III BE Mech Co-organised and Facilitated two ISTE Students Leadership Workshops - one each at Bangalore and Jaipur from 04 - 09 March 2013.
- D Chibi Chakkaravarthi, IV BE Civil won the First prize for the short film titled Salayin Sagathiyil in the RIVERA 2013 held at VIT University-Vellore on 8thFebruary 2013.
- K Karthik, Jagdish L K Chand and C Navin Kumar of IV BE ECE won the First prize and bagged Rs. 2 Lakhs in the All India Level Freescale Cup - An Intelligent Car Race organized by M/s Freescale Semiconductor India Pvt. Ltd, in association with IISc-Bangalore conducted on 18thFebruary 2013. This team took part in the International Final held in China in August 2013. Also, B Deepika, R Kanimozhi and C Gayathri of IV BE ECE won the consolation prize and bagged Rs 25,000 in the same event.
- K.Vinothkumar, II year BT, secured IV position in the Inter-State Yoga Competition organized by Kovai Gandhi Park Yogasana Sangam on 20 October 2013.
- S K Darun, IV year EIE was selected as the Campus Ambassador of the South India by UNO for Rio +21 International Water Cooperation Year 2013 - India program.

3.6.2 How does the College promote College-neighborhood network and student engagement, contributing to holistic development of students and sustained community development?

- NSS unit of the College has adopted the nearby village, Modhur for uplifting the living standards of native people.
- Youth Red Cross of the College jointly organizes Awareness Rally with local agencies / communities.
- Regular visits by the students are arranged to the following neighborhood network:
 - a. United Physically Handicapped School
 - b. *Bharathiya Shanthi Illam*

3.6.3 How does the College promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies?

As a part of the Curriculum, it is essential for all the students to enroll in NSS or NCC or Sports or Yoga in the first year of study and to attend at least one camp before completing the first year. However, expansion of NSS or NCC units is limited by the concerned approving agencies. To address this issue, College has established many clubs and societies for nurturing the extension activities among the students. Activities of the NSS, NCC, YRC and other Clubs and Societies are facilitated by the respective faculty advisors. Certified NCC and NSS Officers have been appointed by the College for effective monitoring and implementation of the activities (Annexure 3.7).

3.6.4 Give details on social surveys, research or extension work (if any) undertaken by the College to ensure social justice and empower the under-privileged and most vulnerable sections of society?

- College has established a Technology Business Incubator (TBI) jointly with Department of Science and Technology (DST), New Delhi with the theme *Application of Biotechnology in Agro, Industrial and Rural Sectors* to support the nearby agriculture and tribal communities.
- BIT-TBI has organized a two day Entrepreneurship Skill Development Programme for the benefit of tribal people from Asanoor and Sathyamangalam sponsored by MSME, Chennai on 23.10.2013 to 24.10.2013 on mushroom cultivation, preparation of spice products, preparation of amla pickles and banana products.
- Technology Business Incubator of the College extends the facilities to the nearby people to start their own business ventures that include tribal communities also. TBI has nurtured nearly 10 incubatees from nearby places, so far.
- The College has initiated programmes jointly with Department of Department of Scientific and Industrial Research (DSIR), New Delhi to uplift the social status of people from nearby villages:
 - ✓ Training of Women in Desk Top Publishing and Tally Software during 2010 – 2012
 - ✓ Training of Women in Computer Aided Drafting Package and Microsoft Office Software was organized during 2008 with a view to providing the employment opportunities to them.

- The college has also organized programmes in association with the Department of Science and Technology (DST), New Delhi and Tamil Nadu State Council for Science and Technology (TNSCST), Chennai for improving social and living status of nearby people:
 - ✓ One week programme on Sustainable Agriculture was organized during January 2012.
 - ✓ One month training programme (2 sessions) was organized for the unemployed youth on Garment Manufacturing during 2011 - 12.
- Department of Computer Science and Engineering organized a Training programme on “Basics of Computers” for LIC agents, Sathy during 03 - 05 February 2010.
- Rotract Club of the College organized the Polio Awareness Camp in Sathyamangalam on 08 January 2010.
- Rotract Club of the College organized the Toda Welfare programme for the local Toda community on 07 March 2010.
- Rotract Club of the College organized the Irularkal programme for the Talamalai (nearby locality) people on 16 March 2010.
- Youth Red Cross organized the Cancer Awareness Programm on 10 February 2009 for the benefit of the local community.
- Department of CA conducted one-week Awareness Programme of Computers to the Policemen of Sathyamangalam Police Station during 20 - 27 November 2009.
- Department of Biotechnology organized a Training of Rural women from Sathyamangalam Taluk in Biocomposting and Vermicomposting for Rural women from Sathyamangalam from 30 June to 09 July 2009, sponsored by Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.

3.6.5 Give details of awards / recognition received by the College for extension activities / community development work.

- BIT has been recognized for organizing more number of Voluntary Blood Donation Camp towards the needy and dying patients of Govt. Hospitals by Tamil Nadu State Blood Transfusion Council and Tamil Nadu State Aids Control Society in the Erode district, Tamil Nadu on 24.07.2013.
- BIT received the Best NSS Outstanding Service Award-2013 by Indian Association for Blind 2013.
- Recipient of the University NSS Award-2010-11 and nominated as the Best NSS Unit amongst the Affiliated Institutions under the fold of Anna University of Technology, Coimbatore.

- BIT received The Nature Conservation Award on 14 October 2012 for Nature Conservation activities by OSAI-Voice of Nature.
- The 19th National Children Science Congress-2011 was conducted on 24th November 2011.
- The DST-Inspire Internship Science Camp 2011 was conducted on 26 December 2011 to motivate the School Students to undertake science as career option.

3.6.6 Reflecting on objectives and expected outcomes of the extension activities organized by the College, comment on how they complement students' academic learning experience and specify the values and skills inculcated?

Participation of the students in the extension activities and their learning experiences are monitored and improved upon to complement their over-all development, through Students' Performance Indicators (SPI).(Annexure 3.8)

3.6.7 How does the College ensure the involvement of the community in its outreach activities and contribute to the community development? Detail the initiatives of the College which have encouraged community participation in its activities.

College continuously strives to identify the various needs to the communities and involve them in different outreach activities and following is the list of such communities that take part in outreach programmes.

- Bannari Amman Rural Foundation
- Siruthuli
- Village Panchayat, Modhur
- Tribal communities of Sathyamangalam, Aasanoor, Thalamalai localities

These communities are approached by the faculty members and student coordinators of NSS, Clubs and Societies for inclusive programmes on continuous basis. Representatives of communities are invited to participate / preside the programmes organized on various occasions. Contribution of the programmes to the development of community are monitored by these representatives, besides the concerned Clubs and Societies.

3.6.8 Does the College have a mechanism to track the students' involvement in various social movements / activities which promote citizenship roles?

Yes. The College has various Clubs and Societies to enable tracking of students' involvement in social movement and the activities, monitored and mentored by the faculty coordinators.

3.6.9 Give details on the constructive relationships (if any) with other institutions in the nearby locality in working on various outreach and extension activities.

- Chairman of the Institute is also one of the Trustees of *Siruthuli*, an NGO located in Coimbatore that aims to clean and restoring the water bodies in various parts of Tamil Nadu besides planting saplings to increase the green cover. Green Eco Club of the Institute often supports the activities of the *Siruthuli*.
- NSS Unit of the Institute donates the saplings to nearby dwelling along with necessary manures to enhance green cover in Sathyamangalam and nearby areas.
- Election Awareness Programme was conducted in the campus jointly with Erode District Collector Office 2014.
- Organized the Retreat Programme for the faculty members and their family, jointly with Isha Foundations, Coimbatore May 2014.
- Wildlife Crime Control Bureau organized an awareness programme on 15 May 2014
- Awareness Programme on Drug Abuse and Illicit Trafficking was organized jointly with Police Department of Erode District on 13.12.2013.
- Awareness Programme on Mitigation of Crime against Women was jointly organized with Police Department of Erode District on 25 November 2013. Mr Muthu Manickam, Deputy Superintendent of Police delivered the Chief Guest address.
- All India Management Association (AIMA) National Student Management Games was conducted on 24 October 2013 at BIT.
- NSS unit of BIT has been recognized for organizing more number of Voluntary Blood Donation Camp towards the needy and dying patients of Govt. Hospitals by Tamil Nadu State Blood Transfusion Council and Tamil Nadu State Aids Control Society in the Erode district, Tamil Nadu on 24.07.2013.

- Youth Red Cross (YRC), a part of Indian Red Cross Society, acts as a platform for student community to get involved in first-aid, firefighting methods, yoga and other physical fitness exercises.
- Blood donation club inculcates the awareness of blood donation concept among the student community.
- Young India Network (Yi Net), an integral part of Confederation of Indian Industry (CII), creates a platform for young Indians to dream of a developed nation with focus areas: Education, Environment, Health Care, Employability and Leadership.
- Technology Business Incubator participated in the exhibition ERO INTEC 2013 organized by Erode District Small Industries Association (EEDISSIA) from 20th to 22nd September 2013 at Parimalam Mahal, Erode
- Participation in the Textile Fair (Texfair 2013) organized by Southern India Mills Association (SIMA) every time.
- Organizing the +2 students' empowerment programme, jointly with Coimbatore District Small Industries Association (CODISSIA) every year for career guidance and counseling to the school students.

3.6.10 Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years.

- Recipient of Award of Excellence for Institutions of Higher Education in 2013 instituted by VIT University, Vellore.
- BIT received Indian Education Award 2013 for Excellence and Innovation in Education by S.Chand Groups, New Delhi.
- NSS unit of BIT has been recognized for organizing more number of Voluntary Blood Donation Camp towards the needy patients of Govt. Hospitals by Tamil Nadu State Blood Transfusion Council and Tamil Nadu State Aids Control Society in the Erode district, Tamil Nadu 2013.
- BIT received the Best NSS Outstanding Service Award-2013 by Indian Association for Blind 2013.
- BIT received The Nature Conservation Award on 14 October 2012 for Nature Conservation activities by OSAI-Voice of Nature.
- Won the Best Overall Industry – linked Engineering College Award in the Industry Linked Engineering Institute Award, jointly instituted by the All India Council for Technical Education (AICTE) and the Confederation of Indian Industry (CII) for the year 2012.

- Recipient of VVR Seshadri Rao, Gudlavelleru Engineering College National Award for the Best Private Engineering College 2012 from Indian Society for Technical Education (ISTE), New Delhi.
- The 19th National Children Science Congress-2011 was conducted on 24th November 2011.
- The DST-Inspire Internship Science Camp 2011 on 26.12.2011.
- Recipient of the University NSS Award-2010-11 and nominated as the Best NSS Unit amongst the Affiliated Institutions under the fold of Anna University of Technology, Coimbatore.
- Recipient of Bharatiya Vidya Bhavan National Award for an Engineering College having Best Overall Performance 2009 from Indian Society for Technical Education (ISTE), New Delhi.

Besides, BIT participates in the annual surveys conducted by popular magazines (which also include contribution to society development as one of the criteria) and the results are furnished below:

- BIT has been ranked 24th position in the India's Top T-School Survey conducted by Data Quest DQ-CMRT Survey December 2014.
- BIT has been ranked 29th position in the India's Top T-School Survey conducted by Data Quest DQ-CMRT Survey December 2012 and 6th position in Parameter Toppers for Infrastructure in the same survey.
- School of Management Studies secured the A3 Rank among the top B-Schools in Southern part of India for the Excellence in the B-School Survey October 2012, conducted by AIMA, New Delhi.
- School of Management Studies secured A8 Rank among the top B-Schools in India for its Excellence in the B-School Survey May 2012, conducted by the Indian Management.
- BIT secured the 12th Rank among the top 50 Private Engineering Colleges in India, in the survey conducted by the Electronics For You (May 2011 issue).
- BIT has been ranked 74th among the top Premier Technical Institutions in India conducted by Outlook - MDRA Survey (June 2011 issue).
- BIT has been ranked as AA Institution among IITs, NITs, Technical Universities and other engineering colleges as per CAREERS 360 Magazine's Survey on India's Best Engineering Colleges 2011, published in June 2011 issue and the rating covered more than 700 engineering colleges in 20 States in India.
- BIT secured 18th rank among the top Engineering Colleges of Excellence under the Private Engineering Colleges Category in the

survey conducted by Competition Success Review (August 2011 issue).

- The School of Management Studies secured 22nd Rank among the top B-Schools in India for its Excellence in the B-School Survey 2011, conducted by the Competition Success Review.

3.7 Collaboration

3.7.1 How has the College's collaboration with other agencies impacted the visibility, identity and diversity of activities on the campus? To what extent has the College benefitted academically and financially because of collaborations?

College has interaction with teaching institutions, regulatory authorities, certification bodies, consultants, professional bodies, nearby industries and its own group companies for enhancing teaching-learning, administration, research, training and placement and infrastructure maintenance.

S.No	Collaborating Agency	Benefit(s) to the Institution	Academic / Financial
1	Team of Professors from IIT- Madras	Refinement in the Curriculum. Input for Development of New Laboratories	Academic
2	National Institute for Technical Teachers' Training & Research, Chennai	Training of Faculty Members on Classroom Delivery, Lesson Plan Preparation and Pedagogy. Courseware on core engineering, science and humanities	Academic
3	NPTEL, Chennai	Courseware on core engineering, science and humanities	Academic
4	L & L Associates, Chennai	Preparation of course content on Communicative English for I year students	Academic
5	British Council Library & Cambridge University - ESOL	Advanced certification on Language Proficiency in English to interested students	Academic
6	NBA - Nodal Centre New Delhi	Offering training programmes to faculty members on Accreditation and importance of Outcome Based Education	Financial
7	University of Derby, UK	Improvement in the Curriculum and Hosting International Conference	Academic
8	Association with industries: • App League • Axis Global Automation • CA Technologies, USA	Sponsored Laboratories and Teaching Aids	Academic & Financial

S.No	Collaborating Agency	Benefit(s) to the Institution	Academic / Financial
	<ul style="list-style-type: none"> • Festo, Germany • Freescale Semiconductors, USA • GE, Bangalore • Harita Tech Serve, Chennai • Lectra, France • Sun Microsystems, USA • Texas Instruments 		
9	Students' Chapters of Professional Bodies: IEEE, ISTE, CSI, CPC	Training the students in frontier areas in core engineering	Academic & Financial
10	TUV Nord, Germany	Implementation and Maintenance of Quality Management System in Academic and Administration through ISO 9000 Certification	Academic
11	National Assessment and Accreditation Council, Bangalore	Implementation and Maintenance of Quality Management System in Academic and Administration through NAAC Certification	Academic
12	Quality Circle Forum of India	Implementation and Maintenance of 5S Quality System in Student Centres (to reduce wasteful activities)	Financial
13	Industry Associates / Trade Bodies and Nearby Industries	Internships and industry visits to the students, development of syllabi	Academic & Financial
14	Banks: Axis Bank and Karur Vysya Bank	Implementation on on-line payment system of students' fee, salary to employees and Implementation of smart card system to students.	Academic & Financial
15	Bannari Amman Group Companies	Internships and industry visits to the students, development of Laboratories, Maintenance of Infrastructure	Academic & Financial

3.7.2 Mention specific examples of, how these linkages promote

★ Curriculum Development

- MoU signed with the L & L Associates, Chennai helped the College to develop the syllabi, evaluation methodology for the courses viz, Basic English and Advanced Communicative English to address the needs of the students from Tamil medium.
- Subscription to the courseware of NPTEL, NITTT&R enabled to institute to develop the curriculum and utilize those reference

materials in the teaching-learning process.

- ISO 9000 certification provides the framework required to maintain the curricular aspects related to classroom delivery, examination and evaluation with systems.
- Establishment and successful operation of various students' chapters help to identify various resource persons to address the students so that the gaps between the curriculum and industry expectations are addressed to certain extent.
- Interaction with Industry Associations, nearby industries helped to identify the resources persons /experts for curriculum development through suitable suggestions during Boards of Studies and Academic Council Meetings. Every Board of Studies has at least two members from the nearby industries, offering their suggestions, which are minuted.
- BAG companies provide internship to the students on continuous basis and frequent industry visits.

★ **Internship, On-the-job training**

- Interactions with the local industry / Industry Associations viz provide opportunities for internship to the students
 - COCENA
 - COINDIA
 - Coimbatore Productivity Council
 - Advanced Academy for Development of Textile Technologists
 - Harita Tech Serve
 - Axis Global Automation
 - Nearby local industries

★ **Faculty exchange and development**

- Interaction with National Institute for Technical Teachers' Training and Research helped the College to conduct a series of faculty development programmes in the areas of pedagogy, curriculum development and classroom teaching.
- Collaboration with the University of Derby, UK facilitated the organizing an International Conference during Sept 2012.
- Interaction with the San Diego University, California resulted in guest lecture and deputation of faculty member from the Department of Electrical and Electronics Engineering to the University for developing facilities in the field of Power Engineering during 2012.
- Ms. Maria Wieckhusen from Carl von Ossietzky University, Germany, underwent a three-month Internship in the Department of English during 01 November 2012 to 31 January 2013, as a part of the MoU signed between BIT and IAESTE India KU, Karunya University, Coimbatore.
- A team of Professors from the Indian Institute of Technology Madras visited the College for assisting various Departments to

establish laboratories and refine curriculum and research initiatives. In turn, faculty members of the College also visited IIT-M to understand various initiatives related to research and curriculum.

- A team of faculty members from Biotechnology visited the University of Pondicherry to understand the research initiatives taken in the area of biotechnology and the facilities available.
- Indian Council of Agriculture Research deputed its Entry Level Scientist to the Department of Textile Technology to carry out the studies related to Coir Processing for three months during 2013.
- A team of faculty members from Mechanical Engineering, Physical Sciences visited Central Electrochemical Research Institute, Karaikudi during March 2014 to explore the possibilities of Collaborative research and internship to the students.'

★ **Research, publication**

- Interaction with the nearby industry, M/s Unirols, Coimbatore helped the College to develop a laboratory model nonwoven machine, suitable for conducting further research in this area.
- A Research Park has been established in the area of Computer Science and Engineering with the help of All India Council for Technical Education (AICTE), New Delhi.
- Collaboration with the University of Derby, UK facilitated the organizing an International Conference during Sept 2012 and dissemination of many research ideas.

★ **Consultancy, Extension Activities**

- Facilities established with the help of M/s Lectra, France is used for providing consultancy services and training the unemployed youth from nearby places in the area of garment designing and stitching.
- Association with the I2 Projects, Coimbatore helped the College to undertake consultancy projects in the area of Fuel Sensors and Indicators.
- Technology Business Incubator of the College organizes / participates in the exhibitions and attracts potential entrepreneurs to venture into new businesses.
- College has continuous interaction with Department of Science and Technology, New Delhi for organizing Entrepreneurship Development Programmes in the College on regular basis.
- Continuous interaction with the Federation of Coir Exporters' Association, Cochin has also resulted in the consultancy assignment, Design and Development of Coir Processing Machine.

★ **Student Placement**

- Facilities established with the help of M/s Axis Global

Automation facilitated the placement of students from Electronics and Instrumentation Engineering.

- Association of Sree Annapoorna Groups, Karur Vysys Bank helped the College to place students from Management Studies and other branches of Engineering.
- Coimbatore Productivity Council extended the support to the College by extending Executive Council Membership and provided a platform to interact with many of its member industries for placement and training.
- The College is well connected with the leading software companies like Cognizant Technology Solutions, Infosys and Wipro through various initiatives.

★ **Any other, please specify**

- The College has the tie-up with the Karur Vysya Bank Limited for collecting the students' fee and, in turn, issuing smart card to the students. Using the smart card, the students can access ATM, pay fee on-line, library facilities and entry into the campus.
- The College is negotiating with the Tamil Nadu News Print Limited, for recycling the paper wastes into new paper products as a measure to reduce the environmental impact.
- Industry sponsored laboratories are established by the College in collaboration with leading industries as provided in 3.7.4.

3.7.3 Does the College have MoUs nationally / internationally and with institutions of national importance/other universities/ industries/corporate houses etc.? If yes, explain how the MoUs have contributed in enhancing the quality and output of teaching-learning, research and development activities of the College?

Yes.

No	Department	Name of the Institution / Corporate	Year	Outcome of MoU
1.	Biotechnology	M/s Sai Biosciences Research Institute	2009	Collaborative research, Project work and Internship for students
2.		M/s Prathista Industries Limited, Hyderabad	2012	
3.		Central Leather Research Institute, Chennai	2013	
4.		M/s Zifo Technologies	2013	Project work and Internship for students
5.		M/s Synkromax Biotech	2013	Collaborative research, Project work and Internship for students
6.		M/s Indfrag Limited, Bangalore	2013	
7.	Computer Applications	M/s Cognizant Technology Services	2013	Sponsored Lab for Students Project

No	Department	Name of the Institution / Corporate	Year	Outcome of MoU
8.	Civil Engineering	M/s Magendhiran Consultancy Services	2013	Value added course, and Project work
9.		Coimbatore Civil Engineers Association (COCENA)	2013	Value added course, internship and Project work
10.		M/s Geometrics Space Structures, Coimbatore	2013	Research and Development on pre-engineered buildings and conduct of value added courses
11.		M/s Metis Structures, Coimbatore	2013	Pre-engineered buildings and training of faculty members
12.		M/s Marutham Groups, Coimbatore	2014	Conduct of one credit course, project work and internship
13.	Computer Science and Engineering & Information Technology	M/s CA Technologies, USA	2011	Competency in Networking
14.	Computer Science and Engineering	M/s Intel-FICE, Bangalore	2013	Promoting Embedded Technology In Real Time Students Project
15.		M/s Beta Technologies	2013	Assisting the Students Projects
16.	Electrical and Electronics Engineering	M/s Mecton Training and Technical Services, Chennai	2013	Training the students and their placements
17.		M/s GE India Exports, Bangalore	2013	Setting up of a research lab, conduct of one credit courses
18.	Mechanical Engineering	COINDIA, Coimbatore	2013	Training the faculty and students
19.		Fluidics, Coimbatore	2013	Training the faculty and students
20.		M/s OM Engineering Technologies, Coimbatore	2013	Inplant training to the students, training the faculty

21.	Textile Technology	Advanced Academy for Development of Textile Technologists	2009	Training, Guest Lecture and Placement
22.		M/s Unirols Airtex, Coimbatore	2013	Development of nonwoven machine
23.		Federation of Coir Exporters' Association, Cherthala	2014	Design and Development of Coir Processing Machine
24.	Management Studies	Sree Annapoorna Sree Gowrishankar Group of Hotels, Coimbatore	2013	Management development programmes
25.		M/s The Karur Vysya Bank Ltd. Karur	2013	Training the bank officers and executives
26.	BIT	Coimbatore Productivity Council (CPC), Coimbatore	2013	Training the faculty and students

3.7.4 Have the College industry interactions resulted in the establishment / creation of highly specialized laboratories / facilities?

Yes. Institute has continuous interaction and established the facilities as given below:

S No	Department	Collaborating Industry	Facilities Established
1.	Mechanical Engineering	Harita Tech Service, Chennai	Product Development Laboratory
2.		Festo, Germany	Automation and Robotics
3.	Information Technology	App League	Support to the Incubatees
4.	Electronics & Instrumentation Engineering	Axis Global Automation	Automation Laboratory
5.	Electronics & Communication Engineering	Texas Instruments	VLSI Lab Facilities
6.		Freescall Semiconductors	Embedded Systems Facilities
7.	Electrical and Electronics Engineering	GE Global, Bangalore	Power Electronics
8.	Computer Science and Engineering	Sun Micro System, USA	FOSS Lab
9.	Textile and Fashion Technology	Lectra, France	Textile and Garment CAD Laboratory

Additional Information regarding Research, Consultancy and Extension, which the institution would like to include.

(i) Research Park is needed to enable the students to learn skills of innovation and creativity just like a swimming pool is needed to learn swimming. If we have to become a developed country we have to provide hi-tech employment for vast masses, become a technology leader and eradicate the poverty. This can be achieved by establishing Research Parks. Other countries have generated hi-tech employment with high income. Classroom teaching although essential is not enough to learn innovation, creativity and develop imaginative power. Research Parks cater to this aspect. Silicon Valley, MIT Boston and Stanford University are responsible for establishing 3000 companies like Yahoo, Google etc.

In India XII plan expects institutions to plan for a shift towards innovation, creativity, technology transfer and outreach to society. Creativity, innovation and imagination need to be encouraged and inculcated for which Research Park is a must. The standard of our education should match demand world-class education. Teaching only known knowledge and technology is good but not enough. So to achieve this, research/technology Parks, incubators, patented IPR to facilitate commercialization of technologies developed in institutions must be installed.

Thousands of Research parks are now installed in Japan, Taiwan, China, UK and elsewhere. China in the recent past has installed more than 300 Research Parks. Education charged with the spirit of discovery and innovation only can progress forward. Future belongs to those who realize this.

Research Park is a joint effort between an academic institution, alumni and industry. It is a common meeting ground for both industry and academic people for innovation, creativity, technology generation and product/process development. It is a place where innovative minds of students and professors interact with innovative minds from Industry. Research Park enables to convert intellectual capital of both the institutions and industry into usable goods and services. It is a profit centre, generating new ideas and new jobs and also wealth. It is a place meant for cross fertilization of ideas in addition to giving feedback for making education more relevant and purposeful.

Institutions and Industries are interdependent. One without the support of the other cannot achieve much. Research Park is to be established in partnership with industries and preferably with the alumni entrepreneurs. All the partners- Institution, Industry and the Alumni could share the development and its management. Thousands of Parks all over the world are

contributing for improving the quality of education and developing new technology inputs to industries.

Research parks give birth to industrial cluster and contribute for the development of economy in the region. Research Parks inculcate innovative skills amongst students. It develops entrepreneurial culture in the campus. The institution of 21st Century must be progressive and adopt new visions. The institution has knowledge, strength and should attract like a magnet the industries around. World class institutions produce not only graduates, but also produce new technologies and new technology based industries.

So the objectives of the Research Park are

- a) To facilitate new knowledge transfer to society
- b) To enable utilization of research findings and enhance their quality and relevance
- c) To inculcate innovative skills and creativity amongst students
- d) To enable students to start enterprises
- e) To give birth to Industrial cluster and contribute for the development of economy in the region

Innovation potential of young students in the absence of research parks today is wasted. The institution without Park will remain incomplete ineffective and outdated. We can win the global competency by establishing Research Parks. **Let us dream big, think great to make BIT a world class learning Centre. Low aim is a Crime.**

(ii). Establishment of lab and research centre for Nanotechnology and applications. Nanotechnology is a multi disciplinary branch which includes Electronics, Physics, Chemistry, Computer Science, Biotechnology and Information Technology. Some of the Research areas are Nanomaterials, Nanoelectronic Devices in Engineering and Medical fields, Polymer micro-cantilevers, Polymer nanocomposite materials and Liquid cells module.

It is planned to establish a Research Centre/Park providing a common meeting ground for institutions and industries for mutual growth and prosperity, and enabling innovative minds of students and professors to interact with innovative minds in the industry. It enables to earn and learn hi-tech in knowledge environment. **Research Centre believes in Look Ahead to Stay Ahead.**

(iii). Due to the availability of the experienced faculty members in the College, many of them are regularly invited by the other Colleges for delivering (i) invited lecture and, (ii) appointed as the Member of Board of Studies (iii) Member of the Inspection Team for approving the research / laboratory facilities in the respective disciplines by the University; also, (iv)

faculty members are trained in the emerging areas of engineering to build the capacity to undertake research and consultancy assignments in future.

Such details are furnished below:

(i) Delivering Invited Lectures in other Colleges

S. No.	Faculty Name	Title	Venue / Event	Date
1.	Dr.R.Hari Kumar Electronics & CommEngg	Medical Image and Clinical Practice Computer Aided Diagnosis and Image Guided Therapeutic Procedures	Dr. Mahalingam College of Engineering and Technology, Pollachi.	22.07.11
2.	Dr. R. Saravanan, Mechanical Engg	Multi-Objective Evolutionary Optimization	Workshop on Meta- Heuristic Optimization Techniques at P. A. College of Engg & Tech, Pollachi.	16.09.11
3.	Dr. P. Suresh Kumar Management Studies	Grooming to be Managers	PA College of Engineering and Technology, Pollachi	15.10.11
4.	Dr K Sivakumar, Mechanical Engg	ANN for Engineering Applications	J J College of Engineering and Technology, Trichy.	22.10.11
5.	Dr D.Saravanan Textile Technology	Enzymes in Finishing of Textile Materials	AICTE - SDP on Functional Finishes Sona College of Technology, Salem	21.11.11
6.	Dr D.Saravanan Textile Technology	Enzymes in Textile Finishing	International Conference on Advanced Materials, PSG College of technology Coimbatore	27.11.11
7.	Dr. A. Wahi Information Tech	FDP on Digital Image Processing	Government College of Technology, Coimbatore	03.12.11
8.	Dr.A.Jeevanadham Electrical & ElectronicsEngg	Effective Methods To Conduct Laboratory Classes	Angel College of Engineering, Tirupur	10.12.11
9.	Dr. R. Sivakumar Physical Sciences	EIA studies on dyeing & bleaching industries in tirupur	Academic Staff College , Bharathiar University	27.01.12

S. No.	Faculty Name	Title	Venue / Event	Date
10.	Dr.D.Saravanan Textile Technology	Enzymes in Preparation and Finishing of cotton Fabrics	DST National Symposium- Department of Fashion Technology BIT, Sathy	08.03.12
11.	Dr. V. Thiyagarajan English	Voice of the Marginalised	PSGR Krishnammal College of Women, Coimbatore.	10.02.12
12.	Dr K Sivakumar K Mechanical Engg	Non-Conventional Optimization Techniques Modeling Thro ANN for Engineering Application	CK College of Engineering and Technology, Cuddalore.	16.02.12
13.	Dr.C.N.Marimuthu Electrical & ElectronicsEngg	National Level Conference on VLSI,Communivatio n and Computation	Maharaja Engineering College, Avinashi	18.02.12
14.	Dr.N.S Vasanthi Biotechnology	Ethical issues in modern biotechnology	Lady Doak College, Madurai - Awareness programme on Biosaftey and Bioethics	18.02.12
15.	Dr.N.S Vasanthi Biotechnology	Potential applications of nanotechnology in foodscience and health care	Vellalar College for Woman, Erode - UGC funded orientation and retraining for teachers on Nutrition and Fitness: An Innovative approch,	25.02.12
16.	Dr.C.N.Marimuthu Electrical & ElectronicsEngg	National Level workshop on VLSI Design using EDA Tools	Angel College of Engineering and Technology, Tirupur	25.02.12
17.	Dr. P. Suresh Kumar Management Stuides	Conclave of Newly Recruited Officers – Bank of Baroda	Bank of Baroda Coimbatore	03.03.12
18.	Dr K Sivakumar K Mechanical Engg	Modeling and Optimization Using Intelligent Techniques	Department of Industrial Engineering, College of Engineering, Guindy, Anna University, Chennai	21.03.12
19.	Dr.P.Thangaraj Computer Sci & Engg	Blue Brain	MPNMJ Engineering College, Chennimalai	25.03.12

S. No.	Faculty Name	Title	Venue / Event	Date
20.	Dr. P. Suresh Kumar Management Studies	Fulfillment of Aspirants	Chettinad College of Engineering and Technology, Karur	28.04.12
21.	Dr K Sivakumar K Mechanical Engg	Modeling and Optimization of Manufacturing System	AICTE Sponsored SDP at EGS Pillai Engineering College, Nagapatinam	08.05.12
22.	Mr. D. David Winster Praveenraj Management Studies	Consumer Behaviour and Promotion Management	Saraswathy Thyagaraja College of Arts and Science, Pollachi	21.06.12
23.	Dr. D Martin Luthar English	English – A Tool for Success	Vellalar College for Women, Thindal, Erode	15.02.13
24.	Dr. P. Suresh Kumar Management Studies	Workshop on Accreditation	Info Institute of Engineering, Coimbatore	13.03.13
25.	Dr. S. Murugappan Management Studies	National Workshop on Data Analysis	Department of Industrial Engineering, Anna University, Chennai	22.03.13
26.	Dr. R.Ravikumar Biotechnology	CO ₂ Sequestration and recovery of valuable product	Short Term Training Programme, Erode Sengunthar Engg College, Thudupathi	17.04.13
27.	Dr. K.Sivakumar Mechanical Engineering	Optimization Using Particle Swarm Optimization	M.A.M. College of Engineering, Trichy	01.05.13
28.	Dr. N. Arunachalam Civil Engineering	Total Station and Its Applications	Sri Ramakrishna Engineering College, Coimbatore	04.05.13
29.	Dr .K. Sivakumar Mechanical Engineering	Modeling using ANN	M.A.M. College of Engineering, Trichy	08.05.13
30.	Dr. P. Suresh Kumar Management Studies	Application of Games and Case Method of Teaching in Management Education	KSR College of Technology, Tiruchengode	22.05.13
31.	Dr.A.Jeevanandham Electrical and Electronics	Real power-Voltage Control	Paavai College of Engineering, Salem	08.06.13

S. No.	Faculty Name	Title	Venue / Event	Date
32.	Dr.D.Saravanan Textile Technology	An Over view of Preparatory Processes	TEQIP sponsored FDP on Coloration and Finishing of Textiles, PSG College of Technology Coimbatore	03.07.13
33.	Dr. G. Natarajan Management Studies	Gross Organizational Happiness Through Spiritually Inclined Organization	Coimbatore Management Association, Coimbatore	08.07.13
34.	Dr.D.Saravanan Textile Technology	Scope for Research in Garment Processing	TEQIP sponsored FDP on Research Scopes and Avenues in Apparel & Fashion Technology PSG College of Technology Coimbatore	31.08.13
35.	Dr. N. Arunachalam Civil Engineering	Concrete Day Celebration	M.P. Nachimuthu M. Jaganathan Engineering College, Chennimalai	12.09.13
36.	Dr. P. Suresh Kumar Management Studies	Job Opportunities in Banks and Financial Institutions	P.S.G.R. Krishnammal College, Coimbatore	21.09.13
37.	Dr. G. Natarajan Management Studies	Change Management and Motivation	Raja Magnetics, Coimbatore organized by Coimbatore Productivity Council, Coimbatore	21.09.13
38.	Dr. P. Suresh Kumar Management Studies	Effective Teaching Methodology	M.Kumarasamy College of Engineering, Karur	12.10.13
39.	Dr. D. Saravanan Textile Technology	Plasma Processing of Textile Materials	Management Team M/s Sri Sakthi Knitters, Tirupur	18.10.13
40.	Mr.R.Indrajith Fashion Technology	Design aspects of Nonwoven Machines	TEQIP Sponsored FDP on Design Concepts of Textile Machinery, PSG College of Technology, Coimbatore	27.11.13

S. No.	Faculty Name	Title	Venue / Event	Date
41.	Dr. D. Saravanan Textile Technology	Scope for Research in Textiles and clothing	Department of Textiles and Clothing Bharathiar University, Coimbatore	04.12.13
42.	Dr.S.Murugappan Management Studies	Financial Planning	ICSSR workshop on Indian Financial Investment Portfolios organized by Erode Sengunthar Engineering College, Erode.	27.12.13

(ii) Member of Board of Studies

S No	Name of the Faculty Member	Name of the College	Name of the Board of Studies
1.	Dr C Palanisamy	Vivekanandha College of Engineering for Women	Information Technology
2.	Dr B Nagarjan	Nandha College of Engineering	Computer Applications
3.	Dr D Saravanan	Kumaraguru College of Technology	Textile Technology
4.	Dr D Saravanan	Sardar Vallabhbhai Patel Institute of Textiles and Management	Textile Technology

(iii) Member of the Inspection Team (appointed by the University)

S No	Name of the Faculty Member	Nature of Inspection
1.	Dr. B. Nagarajan	Recognition of MCA Research Centres of Hindusthan College of Engg & Tech, Coimbatore
2.	Dr D Saravanan	Assessment of PG Laboratory Facilities Under Anna University, Chennai
3.	Dr. P. Suresh Kumar	Committee Member for Recognition for Research Centre Sri Ramakrishna Institute of Technology, Coimbatore Anna University of Technology, Coimbatore
4.	Dr. B. Nagarajan	Anna University of Technology, Coimbatore

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

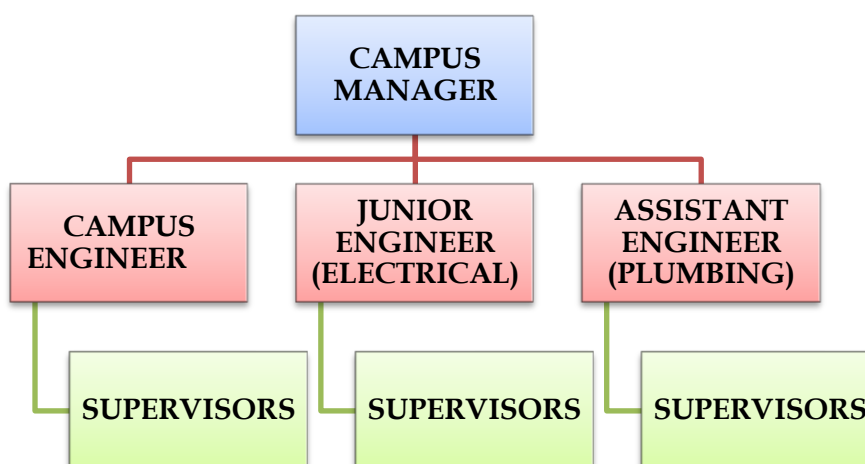
4.1.1 How does the College plan and ensure adequate availability of physical infrastructure and ensure its optimal utilization?

The Head of the Departments after consultation and assessment with the respective faculty members of the Department submit a list of infrastructure facilities needed for the department, to the Apex committee. The committee will scrutinize and submit its recommendation to the Chairman for approval. Normally the approval is given without any delay and action will be initiated to fulfill the requirements.

The infrastructure facilities comprise many components viz., (i) building space (ii) equipment for lab and office, (iii) Furniture and (iv) Books and Journals. Procedures are laid down and separate teams are there to look after each of these. Presuming that this section refers to item (i) referred above, the setup and functions are given hereunder.

Bannari Amman Institute of Technology has a land area of 177 Acres against the requirement of 10 acres (40470 Sq.m.), specified by the approving authorities.

The institute has an exclusive internal department to monitor and supervise the progress of the activities related to infrastructure and their maintenance.



Apart from this, the Chairman during his visits to various reputed institutes has flair to capture the benchmark practices in infrastructure and other aspects. Those are suitably refined and the best practices are

implemented in the College. The newly (2013-14) built five-storied Learning Centre-Library is the outcome of such vision of the Chairman.

Ensuring Optimal Utilization of the Infrastructure

Senior professors are nominated as in-charges of various responsibilities associated with updating and taking care of the institute's infrastructure.

There are faculty members nominated for taking care of the infrastructure facilities like the seminar halls, laboratories and other facilities of the Department. Each department has a faculty in-charge for infrastructure maintenance. There is a member of the faculty for each lab to act as the lab in-charge to ensure that the labs are maintained and utilized properly.

The institute has a Campus Manager and a team of engineers and supervisors to ensure proper maintenance and optimum utilization of the infrastructure facilities available in the Institute.

4.1.2 Does the College have a policy for creation and enhancement of infrastructure in order to promote a good teaching-learning environment? If yes, mention a few recent initiatives.

Yes.

This is reflected in the Chairman's message to the students (<http://www.bitsathy.ac.in/chairman.html>), which states *"The latest curriculum and insight into engineering, technology and research coupled with state-of-the-art **infrastructural facilities** ensure that all students gain optimal advantage in terms of advanced technical knowledge and skills."*

This commitment of creating infrastructure to foster learning is also elucidated as a part in the institute's policy for providing quality education (<http://www.bitsathy.ac.in/mission.html>), which states *"The faculty, the **excellent infrastructure** and the right guidance & counselling result in qualified, skilled, confident students in the field of engineering and technology, ready to take on the world with great vigour."*

Recent Initiatives

Learning Centre

A centrally air – conditioned, five storied new Learning Centre has been built in an area of 78,437 sq.ft to cater to the requisites of pedagogy in an exemplary manner. Automated Learning Centre provides an ambience conducive for the teaching and learning process

with the support of 75,000 volumes of text and reference books with RFID based Library Management System, reading room facilities, WiFi, Digital Library and Plug-in systems.



ICT Enabled Classrooms

Every classroom in the College is made as a smart class room. The College adopts a unique teaching learning process to encourage interactive learning. To enable and support this creative learning methodology (CLM), all the classrooms are transformed into ICT enabled classrooms equipped with wall mounted LCD projectors, a personal computer, LAN and internet connectivity and audio systems.

Academic Block

- Exclusive academic block for Aero Science and Management Studies created during 2009-10.
- Additional blocks for classroom and laboratories in the II Floor are created during 2010-11, 2011-12, 2012-13 and 2013-14.
- Exclusive blocks for Mechanical Engineering, Mechatronics and Automobile Engineering are under construction and expected to complete during 2014-15.

General Amenities

- Construction of vehicle parking shed for students and faculty members (2009-10)
- Parents waiting hall (2009-10)
- RO plant has been set up and purified water is made available across the campus (2010-11).
- Additional Hostels for boys and girls (2010-11)

- Additional facilities for Yoga and Gymnasium (2010-11)
- Automated Laundering facilities for the inmates of the hostels (2011-12).
- Exclusive dining hall for day-students with a seating capacity of 1500+ (2012-13).
- A new chiller plant catering to the need of the entire college has been setup (2103-14).
- A new Center to conduct Management / Executive Development Programmes, with facilities to accommodate the participants is in the final stage of completion (2014-15).

Industry Sponsored Laboratories

Attempts are made to establish the laboratories sponsored / in collaboration with industries in emerging areas, as furnished below.

- BIT – TVS Harita Centre for New Product Development established in the Department of Mechanical Engineering (2014)
- BIT-Texas Instruments Laboratory in the field of Analog Electronics and Devices by Department of Electronics and Communication Engineering (2014)
- BIT – Axis Global Automation Centre of Excellence in Process Control and Automation by Department of Electronics and Instrumentation Engineering (2013)
- BIT-Festo Laboratory for Industrial Automation and Mechtronics by Department of Mechatronics (2013)
- BIT – AICTE – Industry Collaborative Research Park in the field of Computer Science and Engineering (2012)
- BIT-CTS Laboratory for Software Application Development by Department of Computer Applications (2011)
- BIT-Lectra CAD Laboratory for Apparel and Garment CAD by Department of Textile Technology and Fashion Technology (2010)
- BIT – Freescale Embedded Systems Laboratory by Department of Electronics and Communication Engineering (2010)

4.1.3 Does the College provide all departments with facilities like office room, common room, separate rest rooms for women students and staff?

Yes. Each Department block is provided with

- Space for the visitors manned with a personal assistant
- Notice Boards
- Separate rest rooms for boys and girls in the academic blocks,

cafeteria and day-student dining halls

- Exclusive restrooms for the physically challenged
- Separate rest rooms for male and female faculty and staff in the academic block

4.1.4 How does the College ensure that the infrastructure facilities meet the requirements of students/staff with disabilities?

- Special ramps are provided in all the corridors
- Classrooms are available in the Ground Floor to conduct classes based on the need
- Lift facility is provided in the Learning Centre
- Restrooms exclusive for the physically challenged are established in each department
- Facility to conduct the examinations in the selected locations for physically disabled students
- Accommodation with bathroom attachment is available in the hostels

4.1.5 How does the College cater to the residential requirements of students? Mention.

Comprehensive accommodation services are available to all the students. In Gents Hostel there are 2446 inmates and in Ladies Hostel there are 2200 inmates. Well-furnished single, double and four occupancy rooms, aesthetic layout, modern kitchen, spacious dining halls, mini cine theatres, and indoor courts for shuttle & table tennis are some of the facilities available in the hostels. Hot water facilities, Beauty Parlor, and Gymnasium, 24-hour power and water supply, automated laundering facility and RO water are the other facilities extended to the hostels.

- **Capacity of the hostels and occupancy (to be given separately for men and women)**

Separate hostel facilities are available for both boys and girls inside the College Campus. The details are as follows:

Hostel	Name of the Hostel	Total Rooms	Occupancy
Boys	Emerald	288	4 Occupancy
	Ruby	169	24 Single Occupancy 145 Double Occupancy
	Sapphire	288	4 Occupancy
	Diamond	180	146 Double Occupancy 34 Single Occupancy

Hostel	Name of the Hostel	Total Rooms	Occupancy
Girls	Bhavani (Old, North & South Bhavani)	154	10 Single Occupancy 8 Double Occupancy 128 Four Occupancy 8 Eight Occupancy
	Cauvery	126	15 Single Occupancy 111 Double Occupancy
	Narmatha	128	8 Single occupancy 16 Double occupancy 96 Four Occupancy 8 Five Occupancy
	Ganga	99	7 Double Occupancy 92 Four Occupancy
	Yamuna	99	6 Double Occupancy 93 Four Occupancy
Apart from these there is Old Bhavani Hostel to accommodate the visitors			

- **Recreational facilities in hostel/s like gymnasium, yoga center, etc.**



Training in Yoga & Meditation is offered to the students in the Yoga Centre through full-time Yoga Trainers. The activities of the club include: The Art of Living Course and Simplified Kundalini Yoga (SKY).

Separate gyms with modern equipment are available in both in the men's and women's hostel. Badminton courts, Table Tennis, Carrom and basketball courts are available inside the girl's hostels. Both boys and girls hostels are provided with wide screen television sets with an access to various regional, state and national channels.



- **Broadband connectivity / Wi-Fi facility in hostel/s.**



Outdoor wireless equipment with power over Ethernet and additional Indoor wireless equipment are installed in all the Gents and Ladies Hostels, which provides dynamic wireless Internet connectivity to the inmates of the hostel at a speed of 100 Mbps.

4.1.6 How does the College cope with the health related support services for its students, faculty and non-teaching staff on the campus and beyond?

- Every Department / Laboratory is provided with the first-aid kits
- Matrons posted in the every hostel are trained in first aid assistance
- Full time doctors (Male and Female) are available in the hostels for boys and girls 24X7
- Dispensary with diagnostic facilities, sick-room facility is available within the campus
- Stores available for OTC drugs
- Ambulance on-call is available inside the campus (24X7)
- College has the access to the Health Centre and Pharmacy run by Bannari Amman Sugars, within ½ km distance.
- Emergency ambulance (through 108 – TN Government facility) to connect with Erode / Coimbatore Corporation Hospitals and Government Hospital.

4.1.7 What special facilities are made available on the campus to promote interest in sports and cultural events?

Sports

- Qualified Male and Lady Physical Directors with Ph.D, M.Phil., M.PEd, qualifications are employed to give coaching.
- General budget allocates funds for sports and games as per requirement.
- Synthetic turfs laid (Tennis, Basket Ball) by M/s Mahes Bupathi Foundation
- Karate coaching

The facilities available for sports and games in the College are furnished below:

S. No.	Play Field Available	No. of Field	Area Available (Sq. ft.)
1	400 m standard Athletic Track with Football Field & Kho Kho (M & W)	1 No.	250480
2	Cricket Field With 2 - Net practice Pitches (M & W)	1 No.	183750
3	Hockey Field with Kerb (M) Hockey Field (W)	1 No. 1 No.	84000 84000
4	<u>Volleyball Courts:</u> For Women Hostel (W) Sports Complex (M)	1 No. 1 No.	7700 14000
5	<u>Basketball Courts:</u> For Women Hostel (Synthetic Surface) Sports Complex (Synthetic Surface with- fence) (M)	1 No. 1 No.	7700 15400
6	Tennis Courts (Synthetic Surface with - fence)	2 Nos.	28000
7	<u>Ball Badminton Courts:</u> Play Field (M) For Women Hostel (M)	1 No. 1 No.	7000 7700
8	Kabaddi Court (M & W)	2 No.	9800
9	<u>Badminton Court (Semi Indoor) Concrete Surface:</u> For Old Gents Hostel - 4 Nos. (M) For New Gents Hostels - 6 Nos. (M) For Old Women Hostel - 1 No. (W) For New Women Hostels - 2 Nos. (W)	4 Nos. 6 Nos. 1 No. 2 Nos.	9600 8640 2400 4800
10	<u>Indoor Games / Day scholar Recreation Hall (M):</u> Table Tennis Board Pool Carrom and Chess	1 No. 1 No. 4 Nos.	1800
11	Handball Court (M & W)	1 No.	35150
12	<u>Indoor Games for Women:</u> Table Tennis Court - 1 No. Carrom Boards - 2 Nos. Store Room, Toilet & Dressing Room	1 No. 2 Nos. 1 No.	3825 352 572
13	<u>Day scholar Recreation Hall (W)</u> Table Tennis Board Pool Carrom and Chess	1 No. 1 No. 4 Nos.	1800
14	<u>1. Gym for Men:</u> A) 4 Station Multi Gym for Upper Body - 2 No. B) 4 Station Multi Gym for Lower Body - 1 No.	1 No.	3240

S. No.	Play Field Available	No. of Field	Area Available (Sq. ft.)
	C) Twister (Sitting & Standing) - 2 Nos. D) High Lat & Low Lat Pulley - 1 No. E) 3 in 1(Dipping, Chining & Hip flexor) - 1No. F) Abdominal Board - 2 No. G) Shoulder & Bench Press - 1 No. H) T - Bar Rowing - 1 I) Fixed Weight Dumbbell - 2 pairs J) Barbell Weight - 15 Nos. K) Dumbbell & Barbell Rods - 7 Nos. L) Cable cross - 2 Nos. M) Blood Circulative Massager - 1 No. N) Exercise Cycle - 2 No. O) Tread Mill - 1 No. P) Rowing Machine - 1 No. Q) Weight Lifting & Power Lifting - 1 Set S) Upright Bike - 2 Nos. T) Elliptical Trainer - 2 Nos. R) Store Room & Toilet		
	<u>2. Gym for Women;</u> A) 4 Station Multi Gym for Upper Body - 1 No. B) 4 Station Multi Gym for Lower Body - 1 No. C) Twister (Sitting & Standing) - 2 No. D) High Lat & Low Lat Pulley - 1 No. E) 3 in 1(Dipping, Chining & Hip flexor) - 1No. F) Stepper - 1 No. G) Blood Circulative Massager - 1 No. H) Exercise Cycle - 3 Nos. I) Tread Mill - 1 No. J) Tummy Vibrator - 1 No. K.) Abdominal Board - 1 No. L.) Elliptical Trainer- 1 No. M) Upright Bike - 2 Nos.	1 No.	1250
15	Total Play Field Area		772959

*M – Men; W – Women

Cultural Events

College encourages the students to exhibit their talents during, *Navarathri* Celebrations, *Pongal Vizha*, annual day celebrations, Department level events, hostel day, Futura etc. Funds are provided generously to buy the required instruments and other accessories. Many clubs have been formed to nurture the cultural activities. Funds are generously provided to buy the required instruments and other accessories.

List of various clubs available for such activities with the concerned faculty in-charges is furnished below.

S. No	Name of the club	Faculty I/C	Objectives
1.	Free style Club	Mr R Indrajith Dr R.Rajanand Mrs D.Subhapriya Mrs Evelyn Brindha	Platform for emerging talents in the field of dance, aerobics
2.	Movie Making club	Mr S Mohanraj Mr M Sivakumar	To develop, nurture and practice movie making skills among students including film direction.
3.	Poetry Club	Mr N Pongali Sathya Prabu	To develop poetic skills in Tamil, English and other national languages
4.	<i>Muthamil Mandram</i>	Mr S Suganya Mr T Ganesan	<i>Thamizhaarvam ulla thudippa ilaigargallukku immandram theeni podum</i>
5.	Fashion Club	Mr R Indrajith Mr V Sriramulu Ms.PSS Shiyamaladevi Mr V Nithyaprakash	To make students be aware of fashion, style,trends, garments and accessories and practice as fashion icons
6.	Dramatic Club	Mr S Subramanian Ms N Ramya Dr V Sudarshana Deepa Ms RV Jeyashree Ms M Sivaranjani	To make the students shun their inhibitions and improve their confidence leve, communication skills
7.	Music Club	Dr D Martin Luthar Ms M Gowthami Ms P Ramya	To promote an appreciation of music among the BIT's students and staff. To promote music teaching and learning. To provide an environment conducive to creativity in music and broaden students' musical scope and expression.
8.	Crafts & Fine Arts Club	Dr P Geetha Mr J Vivekanandan K.Shoukath Ali	To develop and practice artistic skills of students on pencil drawing, painting, sculpting and handicraft making etc.,
9.	Yoga Centre	Dr GS Murugesan MS Sampooranalakshmi Mr M Sudalai Das	To improve the wellness of an individual's potential by enhancing physical, mental, emotional, social, spiritual and environmental well being

S. No	Name of the club	Faculty I/C	Objectives
10.	Cultural Programmes club	J.P Shritharanya R.Jeevitha M.Gowthami	To promote performing arts and provide a platform for participation in cultural programmes
11.	FEST Club	Mr.R.Senthil Kumar EEE Mr.R.Vinoth Saravanan Mr.S.Sundara Murthy	To make awareness and celebration of Indian traditional cultures and festivals and also to inculcate the importance of our cultural heritage
12.	History Club	Mr.A. Sundaramahalingam Mr.E. Sakthivelmurugan	To collect the available history of any needed resource and conveying them to the students in a quicker time and giving a knowledge about the unforgettable past

4.2 Library as a Learning Resource

4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?

Yes. Library Advisory Committee, headed by a Professor In-charge, Library with 17 members, has been formed. Associate Professor/Assistant Professor from each department and Librarian represent the Committee. Some of the recommendations of the Committee and the action taken are furnished below.

S No	Date of Meeting	Suggestion Given	Action Taken
1.	06.10.2009	to subscribe E-learning materials	Implemented
2.	06.10.2009	To prepare E-courseware by faculty members and share	Implemented
3.	13.07.2010	To provide periodicals display racks to the Department Library	Implemented
4.	02.08.2012	To subscribe ISTE-WPLP, IEEE online journals	Implemented
5.	03.08.2013	Renewal of Journal subscription with a consent from HoDs	Implemented

4.2.2 Provide details of the following:

- ★ Total area of the library (in Sq. Mts.) - 7,287 Sq.mt.
- ★ Total seating capacity - 900
- ★ Working hours (on working days, on holidays, before examination days, during examination days, during vacation)

Week Days & Before, during Examinations	Sundays & Holidays	During Vacation
Working Hours: 8.30 A.M. - 10.00 P.M. Issues / Returns: 9.00 A.M. - 6.30 P.M. Reprography Services: 9.00 A.M. - 8.00 P.M.	Working Hours: 9.00 A.M. - 1.00 P.M. Issues / Returns: 9.00 A.M. - 1.00 P.M. Reprography Services: 9.00 A.M. - 1.00 P.M.	Working Hours: 9.00 A.M. - 5.00 P.M. Issues / Returns: 9.00 A.M. - 5.00 P.M. Reprography Services: 9.00 A.M. - 5.00 P.M.

- ★ **Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)**

Ground Floor	I Floor	II Floor	III Floor	IV Floor
Self Issue Kiosks Drop Box Study Room OPAC Technical Section Journals, Periodicals & Newspaper Section New Arrivals RFID Security Librarian Office	Digital Library Reference Section Reading Hall Librarian Office Discussion Room Copier Section Conference Hall OPAC	Stack Area Reading Hall Librarian Office Conference Hall Discussion room OPAC WiFi Laptops Plug-in	Stack Area Reading Hall Librarian Office Conference Hall Discussion room OPAC WiFi	Reserved for Future Expansion

Note: Above details can be verified during experts visit

- ★ **Access to the premises through prominent display of clearly laid out floor plan; adequate signage; fire alarm; access to differently abled users and mode of access to collection)**

Learning Centre has been constructed, strategically, at centre position to the academic blocks, boys and girls hostels to access easily.

- Learning Centre has ramp from either sides to reach the main gate, besides the steps.
- Automatic door based on sensor-system opens by sensing the presence of a human being.
- RFID card provides easy access to enter the Centre, thereby avoiding signing the Entry Registers, manually.
- Self-issue Kiosks and Drop Box facilitate the easy borrow and return facilities.
- Sign boards are provided in every point / hall on various facilities available.
- Two lifts are available for moving from one floor to another

- Automated cataloguing system is followed to identify the location of the books and references
- Signages are available for indicating emergency exit, various sections, reprography, meeting halls and Digital Library.
- Smoke detectors and fire alarms are installed in every floor of the Centre.

4.2.3 Give details on the library holdings (Total No.)

- Print (Books, back volumes and thesis)**
- Non Print (Microfiche, AV)**
- Electronic (e-books, e-Journals)**
- Special collection**
(eg. Text book, Reference books, standards, patents)

Five-storeyed, air-conditioned and computerized library is well-stacked. 75000 Volumes, 400 National and International Journals, 5500 CD-ROMs, a Digital Library with 100 PCs and 6000 e-journals, 115 NPTEL and 166 NITTTR video courses are part of the resources. BIT is an Institutional member of the British Council Library, Chennai, DELNET, New Delhi and INDEST Consortium, New Delhi.

Item	Category	Sub-category	Numbers available
a)	Books	Volumes	75000
		Back Volumes	3732
		Thesis (PhD)	61
b)	Non-print	CD / DVD	6500
		NPTEL	112
		NITTTR	166
c)	E-Books / E-Journals	IEL (IEEE&IEE), ASCE, ASME, EBSCO, Science DIRECT, Springer Link, ASTM Journals & Standards, J-Gate Management & Engineering and Nature	6000+
d)	Special Collections - Periodicals, Journals and Magazines	Various Disciplines	400
	Special Collections - Reference Books, Standards	All Disciplines	

4.2.4 What tools does the library deploy to provide access to the collection?

★ OPAC

On-line Public Access Cataloguing (OPAC) system has been implemented for searching various books and references. The Learning Centre houses 15 Computer Terminals with Touch Screen facility installed to facilitate the users to utilize the OPAC facility. OPAC provides following information to the users:

- ❖ Bibliographic information about all the available library materials.
- ❖ Availability of books by typing the keywords of Title, Author's Name, Book Number etc.
- ❖ User's Library Account details

★ Electronic Resource Management package for e-journals

Cloud based e-journals are subscribed, as recommended by the All India Council for Technical Education (AICTE), New Delhi. These journals are accessed through the link provided in the Learning Centre website, <http://lib.bitsathy.ac.in/ejournal.php>.

Besides, 100 dedicated computers are available in the Learning Centre to access the e-journals by the students and faculty members.

★ Federated searching tools to search articles in multiple databases

Federated searching tools provided by the various service providers are purchased and made available to the students. These tools collate the results of the search from various sources / journals and provide the summarized results. List of such services are IEEE-ASPP, ASME, ASCE, Springer, Access Engineering, J-GATE, ELSEVIER, ASTM, EBSCO and Nature Publishing Group.

★ Library Website

There is an exclusive website designed for the Learning Centre with comprehensive details, highlights and photo gallery, <http://lib.bitsathy.ac.in>.

★ In-house/remote access to e-publications

- ❖ In-house access to e-publications can be made from the internet centre in the digital library
- ❖ Wired and WiFi Connections available in the College facilitate the e-publications available in the Learning Centre and E-lesson plans uploaded by the faculty members
- ❖ In the remote locations, these e-learning materials can be accessed using the IP address and Google Cloud

- ❖ Dedicated webpage in the website of the Learning Centre provides access to the e-publications of the institute and access to back volumes also
- ❖ Apart from this the students and faculty have got access to more than 19000 e-databases.

4.2.5 To what extent is the ICT deployed in the library?

★ Library automation

The Learning Centre of the College is fully automated through RFID Security and Surveillance Systems. Check-in, searching for titles, issues and check-outs are automated with RFID Library Management System. Lifts are available, connecting all the floors of the Learning Centre. Besides, smoke alarm, automated sprinklers in case of fire accidents and emergency exits are also provided.

- ★ **Total number of computers for public access** – 100 Computers
- ★ **Total number of printers for public access** – 1 High Speed Printer
- ★ **Internet bandwidth speed** - 100 Mbps
- ★ **Institutional Repository**

An institutional repository called as “Green Stone Digital Library” houses the collection of more than 10000 photos in BIT Archives, Newspaper clippings, Project report abstracts and other databases.

★ Content management system for e-learning

- ❖ CDs and DVDs are maintained separately for easy access
- ❖ NPTEL Lecture and Web courses are accessed through dedicated IP address
- ❖ NITTT&R Learning materials are available for lending
- ❖ 6000+ e-journals are easily accessed, campus wide
- ❖ 100 computers are provided in the Digital Section to access these e-learning materials
- ❖ An Assistant Librarian has been appointed to take care of e-learning systems

★ Participation in Resource sharing networks / consortia (like Inflibnet)

Learning Centre subscribes Institutional Membership of following agencies:

- DELNET

- British Council Library
Besides the links for the other library networks are being provided in the library portal to share the resources from the other library networks in India as well as abroad.
- Links to other Libraries
 - ❖ Indian Institute of Technology Bombay
 - ❖ Indian Institute of Technology Delhi
 - ❖ Indian Institute of Technology Guwahati
 - ❖ Indian Institute of Technology Kanpur
 - ❖ Indian Institute of Technology Kharagpur
 - ❖ Indian Institute of Technology Madras
 - ❖ Indian Institute of Technology Roorkee
 - ❖ Indian Institute of Science Bangalore
 - ❖ Information Center for Aerospace Science and Tech.
 - ❖ National Centre for Science Information, Bangalore
 - ❖ Indian Institute of Management, Kozhikode
 - ❖ Indian Institute of Management, Calcutta
 - ❖ Indian Institute of Management, Bangalore
 - ❖ Indian Institute of Management, Indore
 - ❖ Indian Institute of Management, Ahemdabad
 - ❖ Indian Statistical Institute, Calcutta
 - ❖ National Institute of Technology, Calicut
- **National Networks**
 - ❖ Ahmedabad Library Network
 - ❖ Bombay Library Network
 - ❖ Calcutta Library Network
 - ❖ Developing Library Network
 - ❖ Information & Library Network Centre
 - ❖ Pune Library Network
 - ❖ Mysore Library Network
 - ❖ Library Servers via WWW
- **International Networks**
 - ❖ Massachusetts Institute of Technology
 - ❖ Georgia Institute of Technology
 - ❖ California Institute of Technology
 - ❖ Canada Institute for Scientific and Technical Information
 - ❖ Stanford University
 - ❖ Library of Congress
 - ❖ British Library
 - ❖ University of Technology Sydney

- ❖ RMIT
- ❖ Canberra Institute of Technology
- ❖ European Library
- ❖ Virtual Technical Reports Center
- ❖ Hong Kong University of Science and Technology
- ❖ UMIST UK
- ❖ Virginia Tech. University Library

4.2.6 Provide details

Per month

★ Average number of walk-ins	50000
★ Average number of books issued/returned	10000
★ Ratio of library books to students enrolled	14:1
★ Average number of books added during last three years	3000
★ Average number of login to OPAC	25000
★ Average number of login to e-resources	18000
★ Average number of e-resources downloaded/printed	9000
★ Number of information literacy training organized	Weekly basis during Library hours

4.2.7 Give details of the specialized services provided by the library

★ Manuscript

75000 textbooks are available for lending purpose, to both the students and faculty

★ Reference

A separate section is allotted for reference materials like project reports, reference books and other reference materials.

★ Reprography

A reprographic center is functioning in the first floor to enable the users to get the photocopies and prints

★ ILL (Inter Library Loan Service)

Learning Center extends the borrowing facilities, to the users, from other libraries in the country with the help of DELNET and British Council Library

★ Information Deployment and Notification

Learning Centre shares the information about the latest trends in

the information to the users by way of e-mail alert, demonstration in small groups. Circulars are also sent through intranet about the deployment of new services and systems.

★ **OPAC**

OPAC facility can be viewed throughout the campus through LAN. Users can view the availability and status of books through Library Web Portal also.

★ **Internet Access**

In the Digital Library, 96 computers are available with internet access connected with a bandwidth of 100 Mbps

★ **Downloads**

In Digital Library, users can download articles from the e-journals subscribed by College and other learning materials from Worldwide Web

★ **Printouts**

Users can take printout from the reprographic center

★ **In-house/remote access to e-resources**

Wi-fi facility is available in College, Staff Quarters and Hostel Campus. Hence the users can access the e-resources throughout College, Hostel & Staff Quarters.

★ **User Orientation**

Orientation programmes are conducted to I year students regarding the usage of library resources. Hands-on-training is also given to the students on need basis.

★ **Assistance in searching Databases**

Qualified and trained staff members are available for assisting the students in searching databases.

★ **INFLIBNET/IUC facilities**

Learning Center subscribes for Institutional Membership for DELNET & British Council Library.

4.2.8 Provide details on the annual library budget and the amount spent for purchasing new books and journals.

Financial Year	Budget (Rs. in Lakhs)	Amount Spent (Rs. in Lakhs)
2014-15	66.20	65.00
2013-14	76.07	67.48
2012-13	72.28	36.00
2011-12	61.65	39.09

4.2.9 Does the library get the feedback from its users? If yes, how is it analyzed and used for improving the library services.

Yes. A feedback register is available in the library to get the feedback from all the users. Various requirements regarding purchase of new titles, journals and periodicals are obtained from users and the processes of purchase are addressed based on the requirement. Complaints and suggestions are sorted-out then and there to improve the quality of the service provided. Some of the actions taken, during 2013-14, based on feedback are:

- Working hours extended up to 10.00 pm
- 200 books have been purchased for competitive examinations
- WiFi facility has been extended to I Floor besides Ground Floor

4.2.10 List the infrastructural development of the library over the last four years.

Library infrastructure has been improved with careful planning to suit the future requirements also. The following table gives the comparison of the various developments over a period of last four years.

Infrastructure	Status in 2009	Status in 2013
Library Area (Sq.ft)	13,929	78,437
Total Seating Capacity (No.)	176	900
Cataloguing System	Automated	Automated
Automation System	Barcode	RFID
Book Issue / Return	Manual	Automated
Total Volumes	43,400	66,000
Total E-journals	850	6000
Total Periodicals (print)	250	387
CD / DVD (No.)	4563	6500
Inter Library Loan Services	Yes	Yes
Digital Library	40 Systems	100 Systems
IT Bandwidth (Mbps)	10 Mbps	100 Mbps
Library Website	Yes	Yes
Total Employees Engaged	10	13

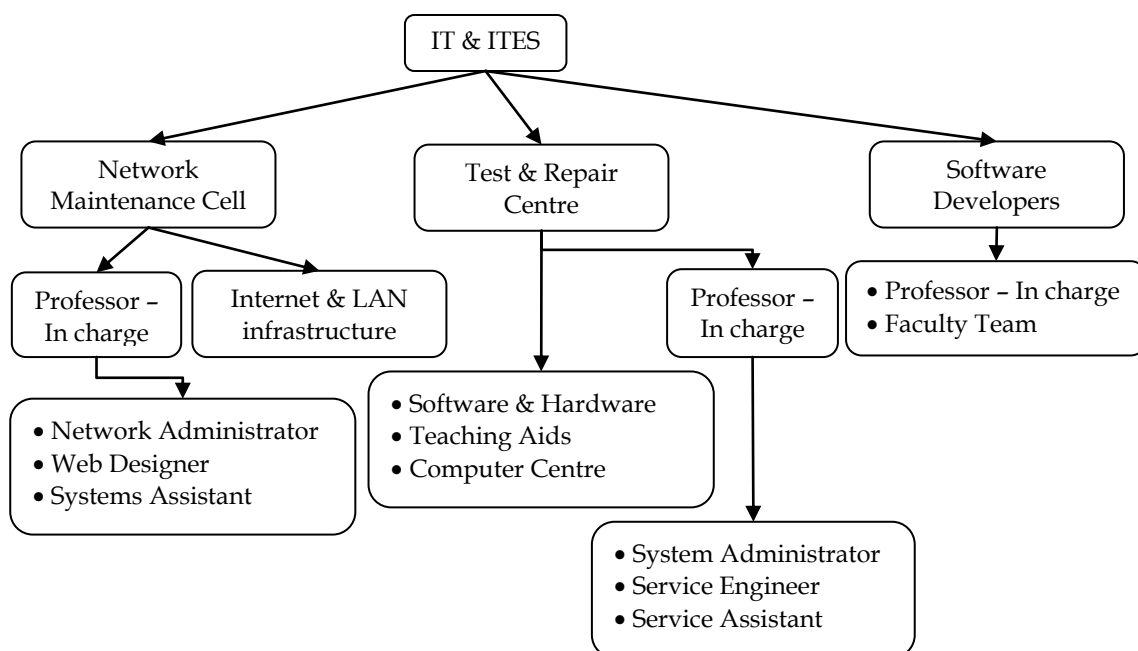
4.2.11 Did the library organize workshop/s for students, teachers, non-teaching staff of the College to facilitate better Library usage?

Yes. During the library hours, hands-on training on usage of library e-resources and other resources is being given to students and faculty members. First year orientation programme is conducted to educate the freshers about library usage.

4.3 IT Infrastructure

4.3.1 Does the College have a comprehensive IT policy addressing standards on IT Service Management, Information Security, Network Security, Risk Management and Software Asset Management?

Yes. Following set-up has been established to take care of IT needs and IT enabled services.



- A 5 km fiber optic cable has been laid to interlink Departments, Centres, Hostels, Staff Quarters and Guest House.
- All the students and faculty members are provided with e-mail, group mail under 'bitsathy' domain with 30 GB storage capacity each.
- All the servers are provided with power back-up for uninterrupted service.
- All the computers with Internet connectivity are provided with the unique DNS for easy maintenance and security.
- Every system is protected with a username and password and individual login identities are provided to the students, faculty and administrative staff members.
- Computers in the institute the Network Maintenance Centre has enabled the "Fortigate hardware Firewall" for the restricted access to the websites.

- NMC maintains a log of all the internet access activities of every node through *Fortigate Log Analyser*.
- Data back-up facilities with 12 TB data storage unit and portable storage devices are available for ensuring data safety.

4.3.2 Give details of the College's computing facilities (hardware and software).

Hardware and software are provided to all the Departments as per the requirements and students strength. Every Department is provided with a Computer Centre with Internet connectivity. Besides, the College has a Net Centre (5400 Sq.ft.) with Computers and Internet Connections. Summary of the facilities are provided below.

No	Item	Quantity (Nos)
1.	Server	51
2.	Client System	1937
3.	Laptop	72
4.	LAN	Ring Topology
5.	Licensed Software	71
6.	K7 Antivirus Software	71
7.	Student : Computer	2.9 : 1
8.	Printer	185
9.	Scanner	22
10.	LCD Projectors	122

Computing Facilities and Configuration

S.No	Configuration	Number of Computing Systems
1.	I5 processor, 4GB RAM , 500 GB	695
2.	Core 2 Duo, 2GB RAM, 250GB HDD	613
3.	P IV,1 GB RAM,80 GB HDD	629

Software with Dedicated Systems (Laboratories)

S No	Computing Lab	# of Computers	Details of Software
1.	Information Technology (Lab I & II)	155 systems & 2 servers	Java, Oracle, VB.net, C, C++, Rational Suite
2.	Computer Science & Engineering	130 systems and 4 servers	Java, Oracle, VB.net, C, C++, Rational Suite

S No	Computing Lab	# of Computers	Details of Software
3.	Internet Centre	104 systems	Red hat Linux
4.	Biotechnology Lab	40 systems & 1 server	Argus lab, Modeller, Swiss pdb viewer, Hex 5.0, Dock 5.0, Chimera.
5.	Sun Lab	64 systems & 13 servers	Sun Solaires 10, Open Source Softwares.
6.	CISCO Lab	24 systems & 1 server	Packet Tracer 5.1
7.	Electrical & Electronics Engineering - CC Lab	92 systems & 1 server	My Power, R-CAD 9.0.
8.	Electronics and Communication Engineering	160 systems & 1 server	Matlab 2014, Agilent ADS, Mentor Graphics, Xilinx, Qualnet Ver 4.0, Comsol Multiphysics, IE3D, Code Warrior, Code Composer Studio, Model SIM, Microwind
9.	Mechanical Engineering CAD / CAM Lab	137 systems & 2 servers	ANSYS 9.0- FEA Package, DFMA Software V 9.0, Adina, Pro E, MSC ADAMS Software, Solid works, COSMOS Unigraphics- NX4, I-Deas Master -Artisan (A300), AUTOCAD 2002, AutoDesk Inventor Professional, IRON CAD, Denford, Master CAM, CAM software Capsturn, CapsMill version 8.0, EDGE CAM V10, Delmia, Cadem, 3D via, Simulia, CAM Express, CATIA, LabView
10.	Fashion Technology Lab	45 systems	PCTex, Reach RFS, Lectra Reach CAD, Textronics, Assyst bullmer, FB designer
11.	Electronics and Instrumentation Engineering	101 systems	LabView 2014

Computers are available in the Laboratories of the Departments, while Laptops are maintained by the Academic Section and accessed on demand. Campus-wide Internet connectivity is given for easy access to the web. Projectors are ceiling mounted in the all the classrooms.

- **Any other**
 - **Sun Centre of Competency**
Sun Microsystems has partnered with BIT and established a Sun Centre of Competency at the Institute premises with an objective to develop open-source tools for Education, Research and Industry and to create a talented pool of Engineers in Free and Open-Source Software.
 - **BIT - CTS Project Center**
BIT has signed an MOU with Cognizant Technology Solutions to develop new projects by the students during final year of study. The students are guided by the experts from Cognizant along with the faculty members of the College.
 - **BIT-App League Centre**
BIT-App League Centre is a collaborative centre established by the College and App League to motivate the students to develop new software products and become entrepreneurs.
 - **BIT - AICTE Research Park**
BIT-AICTE Research Park has been established with financial outlay of Rs 2 cr, of which Rs 1 crore is sponsored by All India Council for Technical Education, New Delhi. The Research Park focuses on Industrial Automation and Data Analytics.
 - **BIT - AICTE Cloud Computing Laboratory**
BIT-AICTE Cloud Computing Laboratory has been established with financial outlay of Rs 12 lakhs, sponsored by All India Council for Technical Education, New Delhi. The Laboratory focuses on Cloud Computing and Utility based Cloud Mining in Social Application

4.3.3 **What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?**

- Plans and strategies for deploying and upgrading the IT infrastructure are proposed by Network Maintenance Cell and, Test and Repair Centre and approved by Apex Committee for implementation.
- For the existing Departments, deployment / upgradation is through the requirement assessment given by the concerned Heads of the Department or Obsolescence identified by the NMC.
- Deployment and upgradation of IT infrastructure are carried out with the aims to ease the working of faculty members in teaching-learning, automating the manual processes, administration and accounts systems.
- Every department is requested to present a budget for the forthcoming year. The Heads of the various departments prepares

the budget. Separate head for IT infrastructure requirements (TRC & NMC) is provided in the budget.

- The College developed “Camps” software for various academic and administrative aspects to promote paperless communications
- The College in collaboration with Google has created an exclusive web domain. The features and apps of Google are used to share learning resources, mailing services and for internal communication.

4.3.4 Give details on access to online teaching and learning resources and other knowledge, and information provided to the staff and students for quality teaching, learning and research.

On-line access to the teaching and learning materials is provided to the students through various facilities established in the College, as mentioned below:

- All the faculty members and the students have the access to the desk top computers, Internet connectivity (bandwidth 100 Mbps) and other peripherals.
- Every Department is provided with a Computer Centre, as per the AICTE requirement (1 system for every 4 students).
- Internet Centre, a central facility of the College, is equipped with **102** computers with Internet connectivity.
- Internet / Digital Library in the Learning Centre with 60 computers and Internet facility to have access to the e-journals, NPTEL, NITTT&R and important links.
- *WiFi* connectivity in the hostels for 24x7 Internet connectivity.
- Maintaining the Laboratory facilities open up to 7.00 P.M.
- Access to the Learning Centre up to 10.00 P.M.
- Faculty and students have access to the various library networks
 - ❖ Ahmedabad Library Network
 - ❖ Bombay Library Network
 - ❖ Calcutta Library Network
 - ❖ Developing Library Network
 - ❖ Information & Library Network Centre
 - ❖ Pune Library Network
 - ❖ Mysore Library Network
 - ❖ British Library
 - ❖ Virtual Technical Reports Center
 - ❖ European Library

- Access to the following foreign institute libraries is also available

- ❖ Massachusetts Institute of Technology
- ❖ Georgia Institute of Technology
- ❖ California Institute of Technology
- ❖ Canada Institute for Scientific and Technical Information
- ❖ Stanford University
- ❖ Library of Congress
- ❖ University of Technology Sydney
- ❖ RMIT, Australia
- ❖ Canberra Institute of Technology
- ❖ Hong Kong University of Science and Technology
- ❖ UMIST UK
- ❖ Virginia Tech. University Libraries

4.3.5 Give details on the ICT enabled classrooms / learning spaces available within the College and how they are utilized for enhancing the quality of teaching and learning.

- 102 ICT enabled classrooms are available in the College for teaching-learning process. All the classrooms are provided with a computer, LCD facility with LAN and internet connectivity.
- All the laboratories are provided with Internet connectivity with computing systems to access worldwide web and e-learning materials.
- All the Departments have the access to the Seminar Halls, equipped with display systems, Internet connectivity and large space for accommodating 180 students.
- Teaching materials prepared by the faculty members are uploaded in the Google Cloud in advance, prior to the conduct of the classes. Subsequently, these materials are shared with the students for the benefit of better understanding.
- Learning Centre is equipped with Digital Library, Lap top plug-in system, WiFi zone to access the e-contents, e-journals and internet connectivity.
- Learning Centre has Committee Rooms, Discussion Rooms enabled with ICT systems for discussion among the small student groups.
- Seminar Halls / Conference Rooms provided to the Departments have the internet connectivity to facilitate the organizing workshops, demonstration sessions.

- Video Conferencing / Skype facilities are available for interaction with experts from remote locations.
- Computers connected through LAN facilitate the conduct of on-line tests during periodical tests I and II.
- Both boys and girls hostels are provided with WiFi facilities to access e-learning materials and Internet.

4.3.6 How are the faculty facilitated to prepare computer aided teaching-learning materials? What are the facilities available in the College or affiliating University for such initiatives?

Facilities / Services Provided by the College

Google Developer Group (GDG), a Google cloud-based service (Google Apps) providing unit, of the College develops custom-designed software required for teaching – learning process. Academic Resource Cell (ARC) of the College provides the necessary training to propagate the various facilities established for teaching-learning process.

- College is an Institute partner in the Campus-wide Google Connectivity
- E-mail connectivity under 'bitsathy' domain with 30 GB storage space to save the e-learning materials.
- Guidelines for preparation e-learning materials
- Facility to Upload the lesson plans in the Google cloud and sharing with the students
- Providing reference materials of various courses
- Necessary hardware and peripheral facilities in every Department for these activities

Outsourced Facilities

- College subscribes Satellite based teaching facility (Edusat) through Anna University, Chennai with annual renewal
- Web courses prepared by the NPTEL
- Teaching - learning materials prepared by the NITTT&R
- College is a member of British Council Library / DELNET

4.3.7 How are the computers and their accessories maintained? (AMC, etc.)

Installation of computers, accessories and peripherals (Asset Management) are taken care by the Test and Repair Centre (TRC) of the College, while networking the computers and internet connectivity (IT Infrastructure) are maintained by the Network Maintenance Cell

(NMC). Trouble shootings in these areas are carried out by these agencies as and when required. However, Annual Maintenance Contracts are executed for the maintenance of Uninterrupted Power Supply (UPS) units.

4.3.8 Does the College avail of the National Knowledge Network connectivity directly or through the affiliating University? If so, what are the services availed of?

Yes.

The College has set up the Nodal Centre of National Mission on Education using Information and Communication Technology (NMICT) approved by the Ministry of Human Resources Development (MHRD) through remote server based services offered by the Indian Institute of Technology, Bombay and Kharagpur.

Following programmes are organized through the Nodal Centre.

S.No	Name of the Programme	Date
1.	Workshop on research methodology	28.06.2012 to 08.07.2012
2.	Workshop on Aakash for education	10.11.2012 & 11.11.2012
3.	Workshop on Engineering Thermodynamics	12.12.2012 & 22.12.2012
4.	Workshop on Research Methods in Educational Technology	02.02.2013 & 09.02.2013
5.	<i>Aakaash</i> Android Application Programming Workshop for students	23.02.2013 & 24.02.2013 02.03.2013 & 03.03.2013
6.	Data Base Management Systems	21.05.2013 to 31.05.2013
7.	Analogue Electronics	04.06.2013 to 14.06.2013
8.	Engineering Mechanics	26.11.2013 to 06.12.2013
9.	Signals and Systems	02.01.2014 to 12.01.2014
10.	Computer Programming	21.04.2014 to 26.04.2014
11.	Computer Networking	05.05.2014 to 10.05.2014
12.	Fluid Mechanics	20.05.2014 to 30.05.2014
13.	Control Systems	02.12.2014 to 12.12.2014

College also has been recognized as the Nodal Centre by the National Board of Accreditation, New Delhi for conducting the Awareness Programmes and Training Programme for the Resource Persons / Evaluators for the OBA. BIT-NBA Nodal Centre has organized the following programmes.

S No	Date	Name of the Programme
1.	29.04.13	Awareness Programme on Outcome Based Accreditation
2.	09.05.13 – 11.05.13	Training Programme for the Resource Persons / Evaluators for the Outcome Based Accreditation
3.	05.07.13	Awareness Programme on Outcome Based Accreditation
4.	24.07.13 – 26.07.13	Training Programme for the Resource Persons / Evaluators for the Outcome Based Accreditation
5.	13.09.13	Awareness Programme on Outcome Based Accreditation
6.	25.09.13- 27.09.13	Training Programme for the Resource Persons / Evaluators for the Outcome Based Accreditation
7.	06.01.14	Awareness Programme on Outcome Based Accreditation
8.	18.01.14 – 20.01.14	Training Programme for the Resource Persons / Evaluators for the Outcome Based Accreditation
9.	06.03.14	Awareness Programme on Outcome Based Accreditation
10.	14.03.14 – 16.03.14	Training Programme for the Resource Persons / Evaluators for the Outcome Based Accreditation
11.	17.05.14	Awareness Programme on Outcome Based Accreditation
12.	24.05.14 – 26.05.14	Training Programme for the Resource Persons / Evaluators for the Outcome Based Accreditation
13.	07.06.14	Awareness Programme on Outcome Based Accreditation
14.	14.06.14 – 16.06.14	Training Programme for the Resource Persons / Evaluators for the Outcome Based Accreditation

4.3.9 Provide details on the provision made in the annual budget for update, deployment and maintenance of the computers in the College?

Annual Budget for update, deployment and maintenance of the computers are provided by the Test and Repair Centre (TRC), overseen by the Head of the Department of Computer Science and Engineering. Budget requirements of networking, internet OFC and internet connectivity are given by Network Maintenance Cell (NMC). Details of the budget of the last three years for such activities in this respect, are given below:

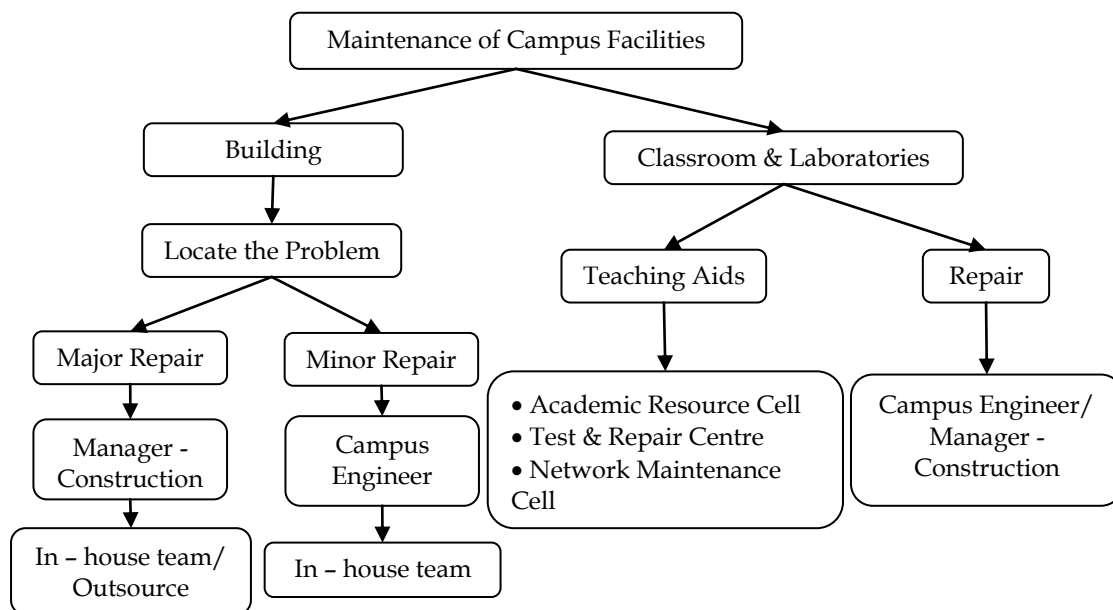
Section	Budget for the 2014-15 (Rs.in Lakhs)	Budget for the 2013-14 (Rs.in Lakhs)	Budget for the 2012-13 (Rs.in Lakhs)	Details of Expenditure Heads
TRC	15.24	6.25	4.0	Software renewal, Cartridges and sundry purchases
NMC	13.50	36.84	17.43	Bandwidth charges, CISCO 3850 Layer 3 Switch, Store Center ix4 300D, Firewall 1000C/FortiAnalyzer-200D IBM X3620 Server

4.4 Maintenance of Campus Facilities

4.4.1 Does the College have an Estate Office / designated officer for overseeing maintenance of buildings, class-rooms and laboratories? If yes, mention a few campus specific initiatives undertaken to improve the physical ambience.

Yes. BIT is situated in a serene surrounding at the foothills of The Western Ghats encompassing a sprawling area of 177 acres with a built-up of more than 25 lakh sq.ft. Physical ambience of the College is enhanced through the following measures, with the support of the system furnished below.

System for Maintenance Activities



Enhancement of Physical Ambience

- Laying of tar / bitumen roads, connecting all the academic and hostel blocks
- Concrete gutters drainage of water
- Concealed / underground systems for electrical cables
- Paver's blocks in the platforms for the pedestrians
- Grass landscaping using Korean Grass covering an area of 20 acres
- Tree-cover to provide green-atmosphere
- Rainwater harvesting system with large capacity
- Stone-building with wall-hugging creepers
- Nests in front of hostels for discussion with parents
- Vehicle parking system with rain / sun cover
- Employees to maintain the cleanliness of the entire campus
- New installations are inspected by Electrical Inspector according to Rule 63 of IER 1956 and periodic inspection as per Rule 46 of IER 1956 every year.
- All laboratories, classrooms, hostels, staff quarters and other student amenities are protected with Earth Leakage circuit Breakers.
- Qualified technicians are employed in the laboratory, further trained to handle unforeseen situations like personal accidents, fire accidents.

- Provision of exhaust fans, wherever required, to remove fumes and gases.
- Equipped with windows and lighting for fatigue-free working.

4.4.2 Does the College appoint staff for maintenance and repair? If not, how are the infrastructure facilities, services and equipment maintained? Give details.

Yes. College appoints staff for maintenance and repair of infrastructure facilities, services and equipment. These activities are carried out under the supervision of qualified senior faculty members, campus manager / campus engineer and the required manpower. Following are the facilities maintained through such systems

No	Facility	Incharge	Supporting Staff-Head
1.	Power Supply – EB, DG Sets, Solar Power	Professor – Electrical & Electronics Engineering	Junior Engineer – Power House
2.	Water Supply & Sewage Water Treatment – River water, Borewell and STP	Assistant Professor – Civil Engineering	Plumber & STP Technician
3.	Transport Services – Buses & SUVs	-	Administrative Officer
4.	Hostel & Mess	Senior Deputy Warden	Manager - Facilities
5.	Cafeteria	Administrative Officer	Manager - Facilities
6.	Emergency Medical Services	Residential Doctors	Nurse
7.	Baby Crèche	Senior Deputy Warden	Matron
8.	Building Repair and Maintenance	Campus Manager	Campus Engineer
9.	Bank / ATM	Administrative Officer	Security persons
10.	Cooperative Stores	Administrative Officer	Shopkeeper
11.	Automated Surveillance Systems & Internet Services	Professor – Information Technology	Technician - Network Maintenance Cell
12.	LCD Projectors and Networking	Professor In charge-TRC	Assistant System Administrator –TRC

No	Facility	Incharge	Supporting Staff-Head
13.	Furniture	Campus Manager	Campus Engineer

Besides, Annual Maintenance Contracts are also executed wherever required to maintain the facilities and equipment.

Additional information regarding Infrastructure and Learning Resource, which the institution would like to include.

Language Laboratory

An open - access Language Laboratory equipped with audio interactive and multimedia enhanced learning packages, is available to hone communication skills in English, French, German, Japanese, and Hindi. A sound-proof recording theatre is available in the laboratory to record voice messages and teaching materials.



Clubs and Society

Following Clubs and Societies are available for enhancing the language skills and supplementing the teaching – learning process.

S. No	Name of the club	Faculty Coordinators	Club Objectives
1.	Poetry club	Mr N Pongali Sathya Prabu	To develop poetic skills in Tamil, English and other national languages
2.	Dramatic Club	Ms N Ramya Dr V Sudarshana Deepa Ms RV Jeyashree Ms M Sivaranjani	To make the students shun their inhibitions and improve their confidence leve, communication skills

3.	Social Networking Media Club	Dr P Sengottu Velan	To Highlight the importance of social media & networking to make connections in regard to placements, higher studies and internships.
4.	Book Review Club	Mr PNR Jeevanandan Mr R Balakrishna, Mr M Arun Prof. V. Sriramulu	To inculcate the book reading habit among BIT students and faculty members and to develop them to become more willing and engaged readers
5.	Personality Development Club	Dr LN Madhu Mohan Ms Bessy M Kuriakose Ms T Karthikayini Mr N Sadhasivam	To develop overall competency and potential of the students and mould their employability skill set
6.	Literary & Debating Society	Mrs A Anne Dorathy Mr M Eshilarasan	Forum for students to learn & practice spoken English,enable them to participate in higher level of English practicing
7.	Cultural Programmes club	Mr. J.P Shritharanya Ms. R.Jeevitha Ms. M.Gowthami	To promote performing arts and provide a platform for participation in cultural programmes

- Surveillance camera with physical security
- Centralised water and power supply monitored by qualified technicians
- Electrical Security Systems with automation and proper earth connection
- Lighting arresters are installed in the tallest building structures and its earth resistance is ensured once in 6 months.
- Proper earth connections are provided for all electrical installations in the campus with earth resistance of 0.5Ω , checked once in 6 months.
- Fire extinguishers of various types like DCP, CO₂, ABC& W/ CO₂ are installed at appropriate places in the campus & checked periodically.
- Safety charts & instructions are kept in appropriate places in the campus.
- Electrical installations in the Institution are inspected by the Electrical Inspector from the Electrical Inspectorate, Government of Tamil Nadu, according to Rule 46 of Indian Electricity Rules 1956 once in a year.

CRITERION V: STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

5.1.1 Does the College have an independent system for student support and mentoring? If yes, what are its structural and functional characteristics?

Yes.

- Many of the students are coming from their homes for the first time to live in the hostel. The age group of most of the students is that of adolescence- a period of physical, mental, emotional, social change and growth. He is often a stranger to himself. He will face many problems- academic, social, financial and personal. At that stage the student needs help and advice of a senior member-mentor to face and overcome such problems. So a mentor system to guide and counsel is introduced.
- This activity continues for UG and PG students for entire duration of study. Mentors are available in their rooms from 4.15 pm to 5.00 pm on all working days so that the students can meet them individually in concern. The mentor gathers information about his wards involving considerable time. Afterwards discusses with his colleagues and senior members for guidance in case of serious problems and finally advises/guides the students suitably.
- Every mentor holds the responsibility of monitoring the performance of 15 to 20 students for their academic, extra and co-curricular activities. This mentoring activity continues for UG and PG students for the entire duration of study.

5.1.2 What provisions exist for academic mentoring apart from classroom work?

- The mentor gathers information from their wards and from their performance, shares with senior members and then passes on to the concerned teachers and HoDs for remedial actions.
- Training programmes are organized to the faculty members on Mentoring through qualified Professional, to offer such services to the students.
- Remedial coaching is given to the students who do not perform well in the tests and final examinations (Sample time-table is given in the Annexure 5.1).
- Students are encouraged to participate in various technical events apart from classroom interactions that include, programmes organized by the professional societies (IEEE, CSI, CPC etc) intra-mural competitions, inter-collegiate symposia, project design contest and workshops.

5.1.3 Does the College provide personal enhancement and development schemes for students? If yes, describe techniques employed e.g., career counselling, soft skill development, etc.

Yes. In-house and outsourced programmes are organized for the career counseling and soft-skill development of the students through active participation in seminars and clubs of personal choice listed hereunder.

1. New Students Orientation Assistance Club
2. Personality Development Club
3. Club for Higher Education
4. Quiz Club
5. Third Eye
6. Mentoring and Counseling Club
7. Yoga Centre
8. Civil Services Club
9. Engineers for Service Sector
10. Engineers for Nation
11. Entrepreneurship Cell

Interaction Hour is provided in the regular time table, during which senior faculty members discuss with the students on career related issues, higher studies, and placement opportunities. Soft skill training is provided through qualified members and various clubs related activities.

5.1.4 Does the College publish its updated prospectus and handbook annually? If yes, what are the activities / information included / provided to students through these documents? Is there a provision for online access?

Yes. The College regularly publishes the handbook, giving the following details:

- Chairman's Message
- Details of the Bannari Amman Educational Trust
- About the Institute
- Vision, Mission and Quality Policy
- Academic Programmes
- Department Details
- Training and Placement
- Extra and Co-curricular Activities / Facilities
- Academic Collaborations
- Contact Details

Details provided in the handbook can be easily accessed from the College website, www.bitsathy.ac.in.

5.1.5 Specify the type and number of scholarships / freeships given to students (UG/PG/M.Phil/Ph.D./Diploma/others in tabular form) by the College Management during the last four years. Indicate whether the financial aid was available on time.

Tuition Fee Waiver Scheme, Merit-cum-mean scholarship, Outstanding Performance in Sports and Friend-of-Friendless (FoF) are the scholarships given to the students on regular basis. Following table gives the details of the scholarship given in the last four years.

Scholarship	No of students supported by the scholarship			
	2009-10	2010-11	2011-12	2012-13
Meri-cum-Mean	273	136	135	35
Friend-of-Friendless	62	76	80	109
AICTE -Tuition Fee Waiver	80	88	88	11
Outstanding Achievement in Sports	2	2	3	2
Total Students	417	302	306	157
Amount (Rs in lakh)	61.2	56.8	58.9	21

5.1.6 What percentage of students receives financial assistance from state government, central government and other national agencies? (e.g., Kishore Vaigyanik Protsahan Yojana (KVPY), SN Bose Fellow, etc.)

Following table gives the details of the Government scholarship received by the students and details are given in the Annexure 5.2

Year	% of Students Supported by Government Scholarship			
	2009-10	2010-11	2011-12	2012-13
% of Students Availed the Scholarship	38.76	33.74	47.00	54.64

5.1.7 Does the College have an International Student Cell to cater to the needs of foreign students? If so, what measures have been taken to attract foreign students?

No. The College does not have the International Student Cell. However, through the mutual agreements the foreign students are coming to the college on 15th November 2014 for short experience programmes. Hence constitution of an international cell is being contemplated since 15 students are coming from New Zealand.

9 Biotechnology students will be going for three months internship at the Department of Biotechnology of Technische Universitat, Darmstadt, Germany

5.1.8 What types of support services are available for

★ Overseas Students

- Guest house facilities
- Separate dining with specialized menu
- Transport facilities for local Travel

★ Physically Challenged / Differently Abled Students

- Ramp in the high-rise areas
- Lift in the Learning Centre
- Classroom in the Ground Floor (wherever possible)
- Facilitating scholarship from the Government
- Examination in a convenient place

★ SC/ST, OBC and economically weaker sections

- Admissions to various programmes are carried out according to the reservations policies of the State Government through Counselling System
- Efforts are made to secure the Government Scholarships to the students
- Management provides Merit-cum-Mean scholarship to the students on merit basis
- Friend-of-Friendless scholarship is provided to economically weaker sections
- Students from economically weaker sections are permitted to pay the fees on installment basis according to their convenience

★ **Students to Participate in various Competitions / Conferences in India and Abroad**

- Students are motivated to participate in the events conducted in other colleges by providing on-duty permission.
- College transport facilities are extended to visit the summits, exhibitions and fairs
- Registration fees are reimbursed in the case of winners of National level competitions.
- Registration fees are reimbursed in the case of the participation in the International level conferences, seminars and competitions.
- Students participated in the International events are invited to the Governing Council meeting to share their experiences.

★ **Health Centre, Health Insurance etc.**

- All the students on the roll are covered under the Group Insurance Scheme for personal accident benefits.
- College has a qualified Male and Lady Doctors with dispensary and sickroom facilities
- Emergency ambulance service is available in the College
- Bannari Amman Group's Health Centre is available within the reach of 0.5 km
- Medical Centre is functioning adjacent to the Campus in the Health Centre
- 108 Ambulance facilities is available for emergency purpose, connected to the Government Hospitals.

★ **Skill Development (Spoken English, Computer Literacy, etc.,)**

- Skill development programmes through layer learning methodology are conducted from the I year of study
- Basic English, Advanced Communicative English and Other Language electives are available for the students to excel in the language proficiency. The real proficiency comes from preparation and presentation of reports in seminars and conferences.
- College has the Language Laboratory equipped with self-learning packages, instructors and recording facilities.
- Computer literacy is given to the students through the curriculum and also through Multimedia and Apps development Clubs.
- Clubs and societies are available to promote the skill development among the students as given below:
 - Literary & Debating Society

- BIT Flying Club
- Auto Zone
- Students' Projects Club
- Crafts & Fine Arts Club

★ **Performance Enhancement for Slow Learners / Students who are at the risk of Failure and Drop-outs**

- After identifying the slow learners and students at the risk of failures, the mentor meets the students individually to know their problems so that necessary remedial measures are prescribed.
- Remedial classes are conducted to the students in subjects with high failure rates.
- Improvement tests are conducted to the students to improve their internal marks.

★ **Exposure of Students to Other Institutions of Higher Learning / Corporates / Business Houses**

- Students are allowed to participate in the competitions conducted in the higher learning institutions in India and Abroad (Section 5.3).
- Academic Experts are invited to interact with the students during Expert Lectures, Workshops and Seminars.
- Industry Experts are invited to share their experience with the students on industry work practices (Section 5.3).
- Internships are arranged to the students to understand the corporate culture and business practices (Section 5.3).
- Value added courses, workshops and one-credit courses are conducted by the industry experts to enhance the employabilities of the students (Section 1.3.4).

★ **Publication of Students Magazines**

- Every Department publishes the technical News Letter, biannually, through the Editorial Board comprising of the students from different years of study.
- BIT Newsletter is published on quarterly basis wherein the students performances are included comprehensively.
- Annual Magazine is published by the students and faculty team once in a year.
- Third Eye Club of students aims to popularize the publication related activities among the students.

5.1.9 Does the College provide guidance / coaching classes for Civil Services, Defense Services, NET/SLET and any other competitive examinations? If yes, what is the outcome?

No. However, Learning Centre of the College has the necessary books and guides required for the exam preparation related to Civil Services, Defense Services, GRE, GMAT and IELTS. Besides, BEC certification classes are conducted to the students by Department of English, as the preliminary step towards these examinations. Bureau of Overseas Education organizes awareness programmes in these areas continuously for the benefit of the students.

5.1.10 Mention the policies of the College for enhancing student participation in sports and extracurricular activities through strategies such as Additional academic support, flexibility in examinations Special dietary requirements, sports uniform and materials Any other

Following facilities are provided to the students who participate in sports and other extra-curricular activities

- In the Time table, one session is exclusively allotted to sports / gym / yoga to I year students
- Free Team Uniforms given to players representing college in sports / games
- Bus fare and Day Allowance for participation in sports meets
- College bus facilities
- Sports Accessories to the winning team members
- Cash / Kind Awards during Achiever's Day Celebration
- Best Sports Person (Boy & Girl) of the Year Award
- Awards / Tuition Fee Waiver for Outstanding Sports Person
- Permission to attend sports meet / extra curricular activities
- Special tests are conducted for the participants

5.1.11 Does the College have an institutionalized mechanism for placement of its students? What services are provided to help students identify job opportunities, prepare themselves for interview, and develop entrepreneurship skills?

- College has a dedicated Cell for providing Training and Placement related services to the students on continuous basis, through in-house training programmes and outsourced training programmes.

- Every Department has both faculty and student coordinators, to identify the training needs and arrange the training programmes for effective placements.
- Training and Placement Section submits the annual budget for the expenses related to the training and placement.
- Faculty members from Mathematics and English have been identified to conduct the coaching classes on Quantitative Techniques and Verbal Ability on continuous basis as per the time-table.
- Provision is given in the Annual Budget for training and placement related activities organized by the individual Departments.
- Heads of the Departments along with a team of faculty members regularly visit the industry for seeking internship, placement and placement related training from the industry / industry experts.
- Placement-oriented internships are arranged to the pre-final year students during the summer vacation.
- Some of the training programmes conducted for enhancing the placement performance of the students are given in the Annexure 5.3.

5.1.12 Give the number of students selected during campus interviews by different employers (list the employers and the number of companies who visited the campus annually for the last four years).

Year	No of companies visited	No of students recruited
2012-13	88	859
2011-12	85	1026
2010-11	67	836
2009-10	80	626

Details are given in the Annexure 5.3.

5.1.13 Does the college have a registered Alumni association? If yes, what are its activities and contributions to the development of the College?

Yes. The College has a registered Alumni Association with Alumni Chapters in India, Europe and Singapore. Alumni members extend their support through (i) permitting the students to visit their industry (entrepreneurs), (ii) internships, (iii) placement, (iv) curriculum development (Member in Boards of Studies) and (v) training the students for placement (Annexure 5.5). Alumni of the respective departments regularly visit the institution for interaction with the students regarding placements and studying abroad.

5.1.14 Does the College have a student grievance redressal cell? Give details of the nature of grievances reported and how they were redressed.

Yes. As per UGC Guidelines, the College has established a Grievance Redressal / Appeal Cell with following Members.

No	Capacity	Name	Designation
1.	Senior Professor	Dr A A Shakila Mathew	Professor & Head - English
2.	Academician from Other Institute	Dr K Porkumaran	Principal, Dr NGP Institute of Technology, Coimbatore
3.	Person from Industry	Mr S Kolandaisamy	PRO, BASL, Sathy
4.	Controller of Examinations	Prof M Dhanabalakrishnan	Controller of Examination, BIT

Grievances addressed:

Year	Grievance	Redressal
2013-14	Difficulty in attending one-credit courses during evening hours	Separate time table is prepared and course is conducted during regular hours only.
	Class Committee Meeting to be conducted only in presence of Head of the Department	Implemented
	Integrated lab manuals are not helpful in circuit subjects	Record note books are changed
2011-12	Need for doctors inside the campus	Recommendation given to the Management and doctors (Male and Female) appointed
	Extend the Laboratory hours for mini-projects	Extended as per the requests
	To conduct in-house placement coaching	To be implemented by respective Departments and funds may be obtained from the Principal
	On-duty permission for attending GRE /GATE coaching	To be discussed in HoDs meeting and be implemented

5.1.15 Does the College have a cell and mechanism to resolve issues of sexual harassment?

Yes. The College has Women Development Cell to discuss the gender related issues at College level. The College also has appointed retired persons from police service, retired sub-inspector and Superintendent of Police, as the Security Officer and Campus Manager to mitigate such issues in the campus. Hence, no incidence has been reported.

5.1.16 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

Yes. Anti-ragging committee has been formed as per the guidelines of the University Grants Commission. All the students sign anti-ragging undertaking, under the surveillance of the Oath Commissioner. No ragging related issues have been received in the past four years. Composition of the Committee includes

- Principal
- Member from Police Administration
- Member from Civil Administration
- Member from Local Media
- NGO Representative
- Teaching faculty
- Non-teaching Staffs
- Student Representatives
- Representative Parents

5.1.17 How does the College elicit the cooperation from all stakeholders to ensure overall development of the students considering the curricular and co - curricular activities, research, community orientation, etc.?

Inputs for developing curricular and extra & co-curricular activities are obtained from

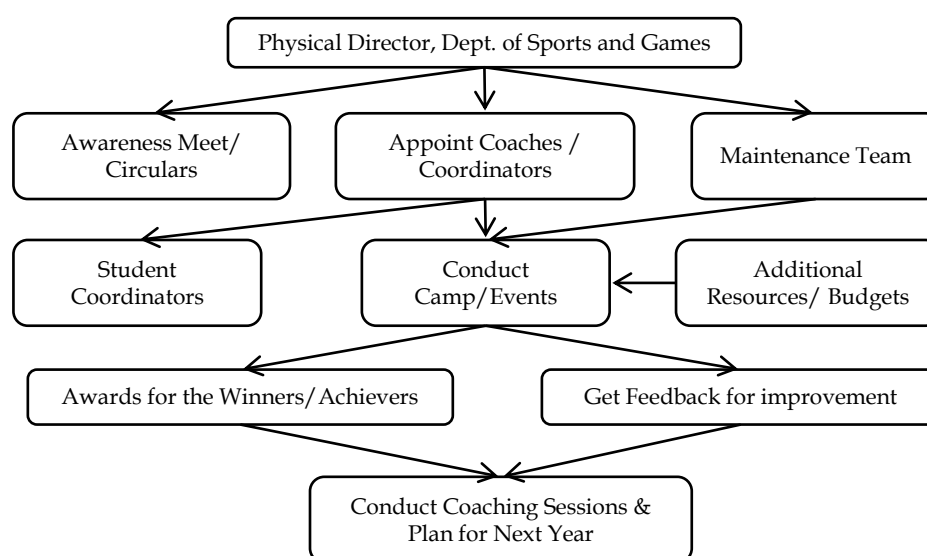
- Class Committee Meeting
- Academic Council Meeting
- Governing Council Meeting
- Parents Meeting
- Alumni Meeting
- Advisory Boards (for NSS / NCC)
- Guidance and counseling sessions with mentors

The inputs are considered while framing the curriculum and appropriate weightage is given. Some of the outcomes include

- Compulsory yoga for I Year students
- Emphasis on NSS / NCC
- Sports hour in regular time table
- Membership in clubs and societies
- Soft skills in the regular time table
- Students Performance Indicators for assessing the performance in extra & co-curricular activities

5.1.18 What special schemes/mechanisms are in place to motivate students for participation in extracurricular activities such as sports, cultural events, etc?

1. All required sports facilities are established over 25 acres of land to motivate the students' participation in various activities. Qualified instructors are appointed in the Gymnasium and for Physical Education.
2. Provision is made in Annual Budgets to meet the requirements of students and for conducting various events.
3. Permission with attendance is given to participate in inter-collegiate events
4. Sports uniform and kits are given to players representing college, financial incentives / prizes are given to the winners at the end of the events and also during the annual Achiever's Day Function.
5. System of establishing and conducting various events is given in the flowchart.



Sports facilities available in the College are furnished in the Annexure 5.6.

FUTURA -National Level Technical Symposium & Project Design Contest

Every year, the College organises Futura – Annual National Level Technical Symposium and Project Design Contest, inviting students from various parts of the country to participate in various events. Paper presentation / idea presentation, workshops, robotics related events, RC Car events, Wealth out of Waste and Projects Display and Contests are organised. Best Projects are awarded with Cash Prize of Rs 1,00,000/-, Rs 50,000/- and Rs 25,000/- besides three consolation prizes (Rs 5000/- each). During the Futura, special events are conducted for motivating the school students like Hence Proved, Oratorical Competition, Painting, Poetry, Essay Writing, Memory Contest, Newspaper Reading, Puzzles etc. Dr SVB Foundation Awards are given to the 10 Best School Principals every year based on the meritorious services. Total budget for Futura 2014 was Rs 85 lakhs, fully sponsored by the Management.

Cultural Events

The College encourages the students to stage their talents through the cultural events, annual day celebrations, Department level events, hostel day and Futura. Many clubs have been formed to nurture the cultural activities. List of various clubs available for such activities with the concerned faculty in-charges is furnished below:

S. No	Name of the club	Faculty I/C	Objectives
1.	Free style Club	Mr R Indrajith Dr R.Rajanand Mrs D.Subhapriya Mrs Evelyn Brindha	Platform for emerging talents in the field of dance, aerobics
2.	Movie Making club	Mr S Mohanraj Mr M Sivakumar	To develop, nurture and practice movie making skills among students including film direction.
3.	Poetry Club	Mr N Pongali Sathya Prabu	To develop poetic skills in Tamil, English and other national languages
4.	Muthamil Mandram	Mr S Suganya Mr T Ganesan	<i>Thamizhaarvam ulla thudippana ilaignargallukku immandram theeni podum</i>

S. No	Name of the club	Faculty I/C	Objectives
5.	Fashion Club	Mr R Indrajith Ms.PSS Shiyamaladevi Mr V Nithyaprakash	To make students be aware of fashion, style,trends, garments and accessories and practice as fashion icons
6.	Dramatic Club	Mr S Subramanian Ms N Ramya Dr V Sudarshana Deepa Ms RV Jeyashree Ms M Sivaranjani	To make the students shun their inhibitions and improve their confidence leve, communication skills
7.	Book Review Club	Mr PNR Jeevanandan Mr R Balakrishna Mr M Arun V. Sriramulu	To inculcate the book reading habit among BIT students and faculty members and to develop them to become more willing, engaged, and strategic readers"
8.	Home Science Club	Mrs PS Shyamala Devi Mrs P Subha Priya Mr M Gopala Krishnan	"Home and Family" has been the core of all human development and the society at large. It grooms one to take care of their livelihood and surrounding.
9.	Music Club	Dr D Martin Luthar Ms M Gowthami Ms P Ramya	To promote an appreciation of music among the BIT's students and staff. To promote music teaching and learning. To provide an environment conducive to creativity in music and broaden students' musical scope and expression.
10.	Crafts & Fine Arts Club	Dr P Geetha Mr J Vivekanandan K.Shoukath Ali	To develop and practice artistic skills of students on pencil drawing, painting, sculpting and handicraft making etc.,

S. No	Name of the club	Faculty I/C	Objectives
11.	Yoga Centre	Dr G S Murugesan Ms P Sampooranalakshmi Mr M Sudalai Das	To improve the wellness of an individual's potential by enhancing physical, mental, emotional, social, spiritual and environmental well being
12.	Cultural Programmes club	J.P Shritharanya R.Jeevitha M.Gowthami	To promote performing arts and provide a platform for participation in cultural programmes
13.	FEST Club	Mr.R.Senthil Kumar Mr.R.Vinoth Saravanan Mr.S.Sundara Murthy	To make awareness and celebration of Indian traditional cultures and festivals and also to inculcate the importance of our cultural heritage
14.	History Club	Mr.A.Sundaramahalingam Mr.E.Sakthivelmurugan	To collect the available history of any needed resource and conveying them to the students in a quicker time and giving a knowledge about the unforgettable past
15.	E-cell UDYAMI	Mrs. M.Senthamarai Dr.M.Pushpavalli	To inculcate entrepreneurial skills and to make the students providers of employment

Outcome of Club Activities

Annual Exhibitions are conducted every year during Futura by Fine Arts

Fiesta, Cultural Festival is organized by Free Style Club

Fashion Show is conducted by Fashion Club

Pongal Vizha is organized by Muthamil Mandram

Yoga Club organizes Annual Yoga Camp and facilitates participation of students in State-level competitions

Objectives of E-Cell

To motivate young students having potential for entrepreneurship to become successful and dynamic entrepreneurs. This will be setup as a wing of the proposed Research Park inside the campus to provide necessary training to develop student entrepreneurship.

Outcome of E-cell are

- Conducted 7 workshops for the students during the academic years 2012-13 and 2013-14. All these workshops were funded by AICTE, ED cell, National Science and Technology ED Board and Tamil Nadu State Council for Science and Technology (TNSCST).
- A total of 88 students of the college have become successful entrepreneurs during the past 4 years 2010-14.
- Conducted the E week India 2012 programme “invent the future” in collaboration with Nation Entrepreneurial Network (NEN).

5.1.19 How does the College ensure participation of women in ‘intra’ and ‘inter’ institutional sports competitions and cultural activities? Provides details of sports and cultural activities in which such efforts were made?

- In the Clubs and Societies, the girl students are given equal opportunities, as those of boys.
- Women Development Cell has been established to take care of the specific needs of girl students and faculty members
- Physical Directress has been appointed to coach the girl students in various sports and games.
- Exclusive sports facilities are created to motivate the girl students in the inter and intra-collegiate sports competitions, as given in the Annexure 5.6:
- Some of the prominent efforts and achievements of girl students in sports, games and cultural activities include:
 - ❖ K Janani, III Civil secured I Prize in the Women Hand Ball Tournament, held at Tamil Nadu College, Vallam during 08 – 09 Sept 2010
 - ❖ A Swathika and M Sindhu, IV EEE secured Gold Medal in the Volley Ball Tournament conducted by Srk Krishna College of Engineering and Technology, Coimbatore during 30 Sept – 01 Oct 2009.
 - ❖ N S Madhuniha, III EEE and Anjana II EEE secured Gold Medal in the Women Volley Ball Tournament conducted in the Intercollegiate Tournament conducted during 07 – 10 October 2010 in Coimbatore Institute of Technology, Coimbatore
 - ❖ N Priyadharshini, III EEE, Secured Gold Medal in the Women Handball Tournament in the Intercollegiate Tournament conducted during 07 – 10 October 2010 in Coimbatore Institute of Technology, Coimbatore.
 - ❖ M Sindhu and B Kavyua IV EEE secured Bronze Medal in the Women Hockey Torunament in the Intercollegiate Tournament

conducted during 07 - 10 October 2010 in Coimbatore Institute of Technology, Coimbatore.

- ❖ R Ramya and U Shalini secured Silver Medal in Volleyball Surya Engineering College, Erode during 18 January 2010.
- ❖ U Shalini secured Silver Medal in the Anna university zonal Basket Ball Womens Tournament during 27 - 28 August 2009.
- ❖ P mahalakshmi, III B Tech secured Gold Medal in the Ball Badminton Tournament Zonal at Vellalar College of Engineering and Technology, Erode during 11 - 12 March 2010.
- ❖ J. Vaishnavi, V M.Sc. secured Silver Medal in the Women Basketball, Hindusthan College of Engg. & Technology during 27.08.09 to 28.08.09
- ❖ Ms S Vinothini MSc (SE) secured Gold Medal in the Women Volley Ball at Sri Ramakrishna Engg College during 30 Sept - 01 Oct 2009.
- ❖ BIT Women's Cricket and Hockey teams secured Bronze Medal each in the Inter Zonal Tournaments held at KSR College of Engineering and Technology, Tiruchengode and Government College of Engineering, Salem respectively.
- ❖ BIT hosted Inter Collegiate Women Table Tennis Tournament of the Anna University of Technology, Coimbatore Zone - 5 (Erode Zone) on 02.10.2011.
- ❖ BIT Women's Table Tennis team secured Gold Medal in the Anna University of Technology zonal tournaments, 2011-12.
- ❖ BIT Women's Ball Badminton teams won the Silver Medal each in the Anna University of Technology zonal tournaments, 2011-12.
- ❖ BIT Women's Basketball and Badminton Team Secured Bronze Medal in the Anna University of Technology zonal tournaments, 2011-12.
- ❖ BIT Women's Athletic team secured overall Third place with 2 silver medals and 7 bronze medals in the Anna University of Technology, Coimbatore, 2011-12.
- ❖ BIT Women's Cricket and Hockey teams secured Bronze Medal each in the Inter Zonal Tournaments held at KSR College of Engineering and Technology, Tiruchengode and Government College of Engineering, Salem respectively, 2011-12.
- ❖ G. K. Saranya of III BE (ECE) participated in Indian sepaktakraw national team. The team secured bronze medal in 26th King's Cup Sepaktakraw World Cup Championship 2011 held at Bangkok, Thailand during the month of September 2011.

- ❖ Arthi Philo of IV BE (EEE) has secured 5 Gold, 1 Silver and 2 Bronze medals in various categories held at Chennai Rifle Club Range, Chennai during the year 2011.
- ❖ BIT Women's Table Tennis team secured the Gold Medal in the Anna University Chennai Inter Collegiate Tournament, 2011-12.
- ❖ BIT Women's Table Handball, Basketball teams secured the Silver Medal in the Anna University Chennai Inter Collegiate Tournament, 2011-12.
- ❖ BIT Women's Ball Badminton team secured the Silver Medal in the Anna University Chennai Inter Collegiate Tournament, 2011-12.
- ❖ BIT Women's Hockey team secured the Silver Medal in the Anna University Chennai Zonal Tournament, 2011-12.
- ❖ BIT Women's Tennis team secured the Silver Medal in TIES' 2013.
- ❖ Ms. E. Abinaya, III BE (Civil) and Ms. M. Gayathri I BE (Civil) were selected to represent hockey and cycling respectively in the South Zone and All India Inter University Tournaments held at MG University, Kottayam and Kerala University, 39 Trivandrum respectively for the achiever excellence in sports event performance and sportsmanship spirit.
- ❖ M. Bhuvaneswari, II Year secured III Prize in the Regional level Shuttle Badminton Tournament conducted at Adiyaman College of Engineering, Hosur during 11.02.2013.

5.2 Student Progression

5.2.1 Provide details of programme-wise success rate of the College for the last four years. How does the College compare itself with the performance of other autonomous Colleges / universities (if available)

S No	UG/PG	Discipline	2009-10	2010-11	2011-12	2012-13
1.	UG	Aeronautical Engineering	NA	NA	88.9	88.9
2.	UG	Biotechnology	100.0	100.0	98.2	97.9
3.	UG	Civil Engineering	90.9	93.2	100.0	92.1
4.	UG	Computer Scienceand Engineering	93.8	93.1	97.1	96.2
5.	UG	Electrical and Electronics Engineering	96.9	100.0	97.2	78.9
6.	UG	Electronics&Communication Engineering	91.5	96.9	95.1	100.0
7.	UG	Electronics and Instrumentation Engineering	NA	96.9	97.2	96.8
8.	UG	Information Technology	95.3	98.5	98.6	89.3
9.	UG	Fashion Technology	90.6	90.6	91.4	89.7

S No	UG/PG	Discipline	2009-10	2010-11	2011-12	2012-13
10.	UG	Mechanical Engineering	90.9	93.3	95.39	90.7
11.	UG	Mechatronics Engineering	NA	NA	NA	NA
12.	UG	Textile Technology	95.6	95.5	91.8	89.8
13.	PG	Applied Electronics	100.0	100.0	100.0	100.0
14.	PG	Biotechnology	100.0	100.0	100.0	100.0
15.	PG	CAD/CAM	NA	NA	100.0	100.0
16.	PG	Engineering Design	100.0	100.0	100.0	100.0
17.	PG	Communication Systems	100.0	100.0	100.0	100.0
18.	PG	Computer Science and Engineering	100.0	100.0	100.0	100.0
19.	PG	Embedded System	NA	NA	100.0	100.0
20.	PG	Power Electronics and Drives	100.0	100.0	100.0	100.0
21.	PG	Software Engineering	100.0	100.0	100.0	100.0
22.	PG	Structural Engineering	81.8	93.8	94.1	100.0
23.	PG	VLSI Design	100.0	100.0	100.0	100.0
24.	PG	Computer Applications	100.0	100.0	100.0	98.10
25.	PG	Management Studies	94.7	98.2	98.1	84.9

Performance in Comparison other Autonomous Colleges:

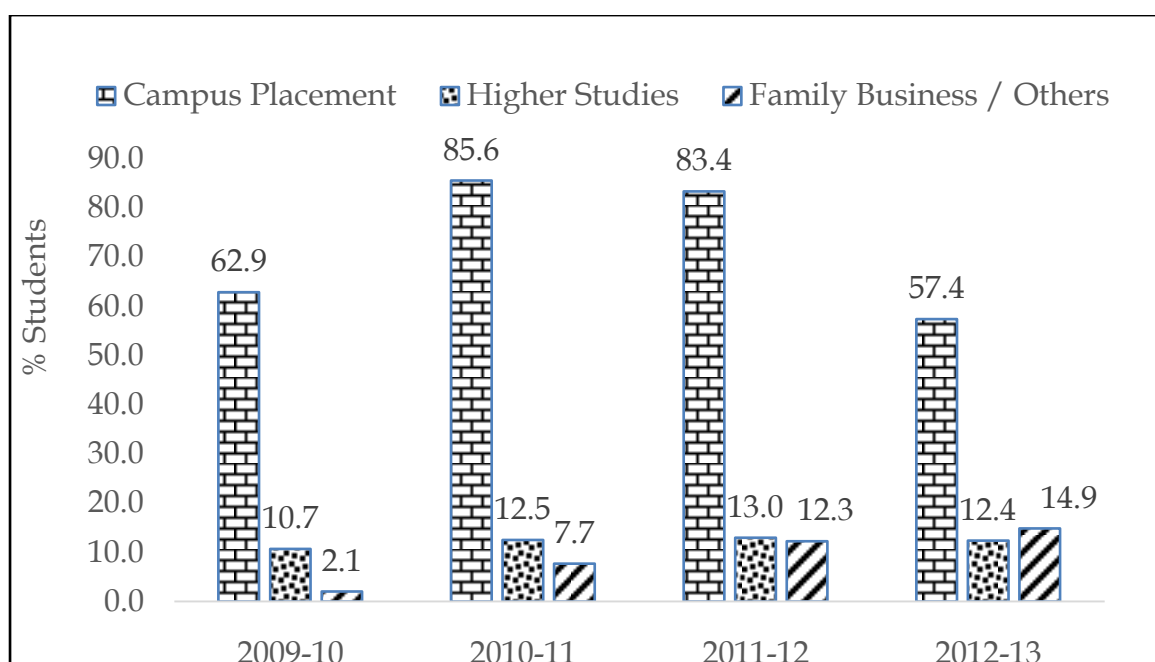
- Department of Biotechnology of the College has been ranked 11th position among various Private Engineering Colleges across the country by BioSpectrum India Survey 2012
(<http://www.biospectrumindia.com/biospecindia/news/158525/-bannari-amman-institute-technology-tamil-nadu>)
- BIT participated in the AICTE – CII survey for the Best Engineering College - Department of BT, CSE received high levels of appreciation, under ‘Departments with Potential’ category for the year 2012.
- The College bagged the Silver award for best industry-institute linkages in the first-ever all-India survey conducted by the All India Council for Technical Education (AICTE) and Confederation of Indian Industry (CII) during 2011.
- BIT ranks one among the top 3 autonomous Engineering Colleges in the State of Tamil Nadu, as per the results published by the Affiliating University during the year 2010 (Ref: <http://www.thehindu.com/todays-paper/tp-features/tp-educationplus/three-erode-colleges-get-university-rank/article862079.ece>)
- Ranked as one among the Best Indian Engineering Institution by Dalal Street Journal, Survey 2011.
- Ranked 18th position in the survey conducted by Competition Success Review, 2011.
- Ranked ‘AA’ in the survey conducted by Career 360, 2011.
- Ranked 12th position in the survey conducted by Electronics For You, 2011.

- Ranked 74th position by Outlook, 2011.
- School of Management Studies ranked 21st position among south Indian B Schools conducted by CAREER 360 Magazine
- The School of Management studies of BIT has been Ranked A6 in the B-School review and ranking by AIMA, New Delhi 2011.
- Ranked 48th position in the National Survey conducted by Data Quest in 2010.

5.2.2 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the observed trends.

Following table provides the details of the students' enrollment for higher studies, placement and taking care of their family business for the past 4 years and the trend is shown in the subsequent graph. On an average, 12% of students opt for higher studies and ~ 10% of the students opt to take care of their family business, every year.

S No	Year	Students on Roll (IV Year)	Campus Placement	Higher Studies	Family Business / Others
1.	2009-10	728	458	78	15
2.	2010-11	814	697	102	63
3.	2011-12	1001	835	130	123
4.	2012-13	1122	644	139	167



5.2.3 What is the Programme-wise completion rate/dropout rate within the time span as stipulated by the College/University?

Passed out Batches	Degree	Total Students On Roll	Drop-out % (number)	No. of Students			
				I Class With Distinction	I CLASS	II CLASS	Overall Pass%
2009	UG	3003	0.30 (9)	338	274	01	92.32
	PG	906	0.11 (1)	99	77	-	95.14
2010	UG	3390	0.03 (1)	418	401	-	94.68
	PG	982	0.31(3)	152	120	02	96.14
2011	UG	3753	0.19 (7)	397	386	-	96.43
	PG	909	0.11 (1)	182	159	01	97.71
2012	UG	4049	0.22 (9)	398	566	06	96.33
	PG	957	0.63 (6)	214	168	03	99.48
2013	UG	4901	0.27 (13)	322	575	09	91.52
	PG	908	0.44 (4)	166	191	03	97.30

5.2.4 What is the number and percentage of students who appeared/ qualified in examinations like UGC-CSIR-NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central/ State services, Defense, Civil Services, etc.

No	Dept	2009-10			2010-11			2011-12			2012-13		
		GATE /CAT	GRE	CET	GATE /CAT	GRE	CET	GATE /CAT	GRE	CET	GATE /CAT	GRE	CET
1.	Aero	0	0	0	0	0	0	0	0	0	0	5	0
2.	Bio	0	1	5	3	2	3	4	1	12	3	2	6
3.	Civil	0	1	8	0	3	3	1	2	7	0	2	11
4.	CSE	0	2	4	0	2	6	0	2	12	0	5	12
5.	ECE	0	9	15	2	3	26	1	5	22	1	8	15
6.	EEE	0	1	0	0	0	0	0	0	2	0	4	5
7.	EIE	0	0	0	0	1	7	1	8	3	0	2	3
8.	FT	0	1	3	1	2	5	2	1	5	2	0	5
9.	IT	0	2	14	0	2	10	0	0	17	2	2	11
10.	Mech	1	1	1	0	3	7	0	0	12	0	8	14
11.	Text	0	2	7	0	2	9	1	4	5	2	7	2
College Total		78			102			130			139		

CET: Common Entrance Test conducted by TN Government (TANCET) and CAT Score is used for seeking admission in the Institutions located outside TN.

5.2.5 Provide the details regarding the number of Ph D / DSc / DLitt theses submitted, accepted, resubmitted and rejected in the last four years.

In the last four years 59 theses have been submitted and awarded Ph D. Year-wise statistics is given below and the list is furnished in the Annexure 5.7.

Year	No of Theses Submitted	No of Theses Accepted	No of Theses Rejected	Degree Awarded
2010-11	9	9	Nil	9
2011-12	15	15	Nil	15
2012-13	21	21	Nil	21
2013-14	16	16	Nil	16

5.3 Student Participation and Activities

5.3.1 List the range of sports and games, cultural and extracurricular activities available to students. Provide details of participation and program calendar.

- **Sports and Games**

Both indoor and outdoor facilities are available to the students, both boys and girls, with qualified Physical Director and Directress for coaching. Sports facilities have been established over 25 acres as shown in the Annexure 5.6.

- **Extra-curricular Activities**

National Service Scheme (2 Units as sanctioned by the University) and National Cadet Corps (Army Wing) are available for the students to provide the extra-curricular activities.

- **Clubs and Societies**

Nearly 60 Clubs and Societies are available, including Students Chapters of the Professional Societies. All the Clubs and Societies are categorized under the following categories, to focus their objectives according to the Mission of the College.

- Technical Clubs & Professional Societies
- Liberal Arts Clubs
- Job-oriented Clubs
- Students Development Clubs
- Fine Arts Clubs
- Social Services Clubs

Annual Calendars of the events are prepared for Sports, NSS, NCC and Clubs

& Societies with annual budgets for following activities:

- ❖ Awareness Programmes
- ❖ Cultural Activities by Clubs and Societies
- ❖ In-house NSS camps
- ❖ Blood Donation Camps
- ❖ Scheduled NCC Parades and drills
- ❖ Weapons Training to NCC Cadets
- ❖ Annual Training Camp
- ❖ Tal Sainik Camp
- ❖ National Integration Camp

5.3.2 Provide details of the previous four years regarding the achievements of students in co-curricular, extracurricular activities and cultural activities at different levels: University / State / Zonal / National / International, etc.

Extra-curricular Activities

- Conducted rally on “Rain Harvesting” during 24 July 2010 along with 50 NSS volunteers.
- ZESTAMA’10 a one day orientation and seminar on Global warming was organized by NSS for 110 school students and their Programme officers in and around Sathyamangalam on 12 October 2010.
- D. Gukulprabu, student volunteer of Bannari Amman Institute of Technology, Sathyamangalam has been selected for “University NSS Award-2010-11” and nominated as the Best NSS Volunteer amongst all the Affiliated Institutions under the fold of Anna University of Technology, Coimbatore.
- P. Anitha, student volunteer of Bannari Amman Institute of Technology, Sathyamangalam has been selected for “University NSS Award-2010-11” and nominated as the Best NSS volunteer amongst all the Affiliated Institutions under the fold of Anna University of Technology, Coimbatore.
- Mr. N Dinakaran, final year EEE, Mr. M Poopathy, final year Civil /NSS volunteers of Bannari Amman Institute of Technology, Sathyamangalam, Erode were awarded the “Best Emergency Blood Donors” by Tamil Nadu State Blood Transfusion Council and Tamil Nadu State Aids Control Society in the Erode District, Tamil Nadu on 24.07.2013.
- NSS unit of BIT has been recognized for organizing more number of “Voluntary Blood Donation Camp” towards the needy and dying patients of Govt. Hospitals by TamilNadu State Blood Transfusion Council and TamilNadu State Aids Control Society in the Erode district, TamilNadu on 24.07.2013.
- Other important achievements are presented below in Annexure 5.8 (i).

Co-curricular Activities

400 students secured various prizes in the inter-collegiate competitions held in other colleges in the last four years as given in Annexure 5.8 (ii).

Sports

Students have secured many prizes and medals in the intercollegiate tournaments and zonal events. The achievements of the students for the last four years are summarized in the Annexure 5.8 (iii).

5.3.3 How often does the College collect feedback from students for improving the support services? How is the feedback used?

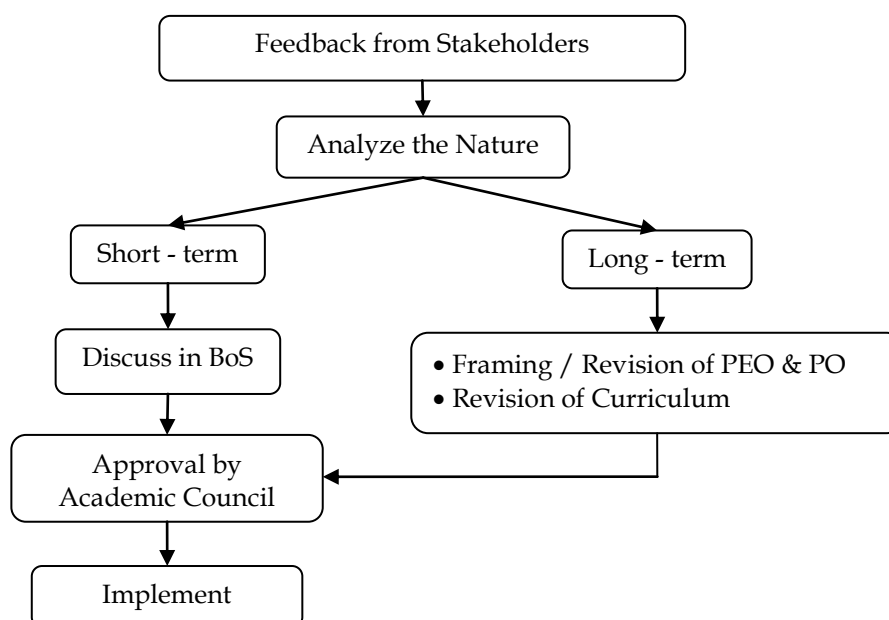
Suggestion boxes are available in the selected locations to receive the suggestions from the students. Further, feedbacks are obtained from the students on staff, teaching-learning, curriculum and, evaluation and examination systems at regular intervals with the utilities as mentioned below:

S No	Feedback obtained by	Feedback received on	Frequency	Usage
1.	Class Committee	Teaching-learning	Three times a Semester	Revision of teaching schedule
2.	Academic Section	Staff	Twice in a Semester	Modification of teaching-learning practices of Faculty Members
3.	Academic Section	Evaluation and Examination	Twice in a Semester	Modification of teaching-learning practices of Faculty Members
4.	Academic Resource Cell	Teaching Methodology	Three times in a Semester	Refining the Evaluation Process
5.	Board of Studies	Curriculum and Syllabi	Twice in a Year	Revision of curriculum and Syllabi
6.	Academic Council	Rules and Regulations	Twice in a Year	Revision of Rules and Regulations
7.	Clubs and Societies	Performance	Continuous	Refining the activities

5.3.4 Does the College have a mechanism to seek and use data and feedback from its graduates and employers, to improve the growth and development of the College?

Feedbacks are obtained from the graduates and employers through online, e-mail and during the industrial visits made by the faculty members and occasions like Board of Studies, Academic Council, Alumni Interactions and Alumni Lectures.

- Feedbacks are utilized to frame the Programme Educational Objectives, Programme Outcomes, Curriculum and impart Training and Placement to students.



5.3.5 How does the College involve and encourage students to publish materials like catalogues, wall magazines, College magazine, and other material? List the major publications/ materials brought out by the students during the previous academic session.

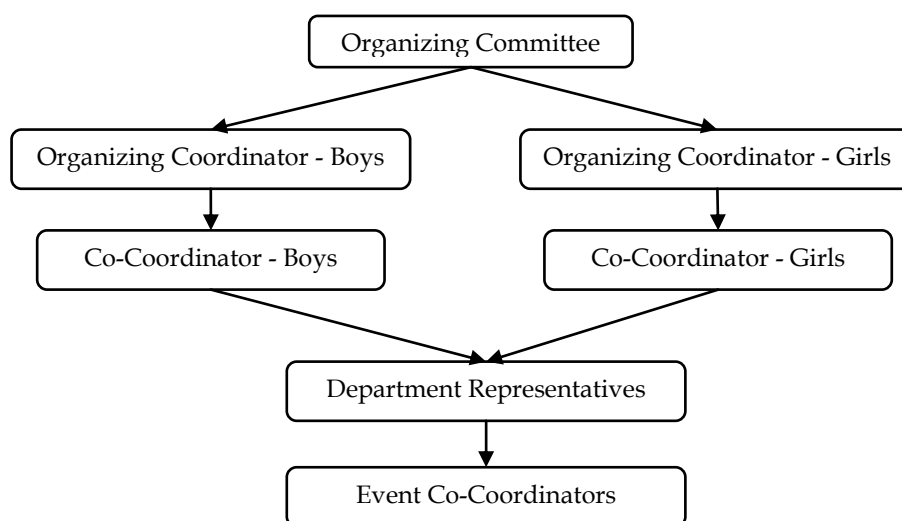
Students are encouraged to make presentation of their ideas through various clubs and societies. Many in-house magazines are published in which the contributions of the students are included and their representatives are involved in the preparation of such magazines also.

Nature of the Magazine	Role of the Students	Contributions
Department Newsletter	Members in Editorial Board	Technical papers, poems, paintings
Quarterly Newsletter	Contributors	Details of participation in seminars, conferences, placement, sports

Nature of the Magazine	Role of the Students	Contributions
Annual Magazine	Members in Editorial Board	Annual Reports of the Students Associations, technical papers, poems, paintings, photos-achievements of students
Students Link Book	Coordinator	Personal Details for future communications and references

5.3.6 Does the College have a Student Council or any similar body? Give details on its constitution, major activities and funding.

Yes. Student Committees are formed in the College for every programme organized in the campus. College has the Futura Committee, comprising the student representatives from all the branches of study to monitor the year-long activities of the students and the annual technical functions. Sports Committee takes care of the organizing sports related activities. Funds are provided by the Management for all the activities proposed by the Committee. Composition and structure of these committee is given below:



5.3.7 Give details of various academic and administrative bodies that have student representatives on them. Provide details of their activities.

Students are involved in both academic and administrative activities through their representatives, as given below:

S No	Name of Body	Nature of the Body	Role / Activity
1.	Class Committee	Academic	Teaching – Learning and Evaluation
2.	Board of Studies	Academic	Curriculum Development
3.	Academic Council	Academic	Curriculum Development
4.	Clubs and Societies	Administration	Extra-curricular Activities
5.	Events and Functions – Coordinators and Organising Committee	Administration	Co-curricular Activities
6.	Hostels – Mess Committee	Administration	Hostel and Mess Activities
7.	Futura Committee	Administration	Organising Annual National Level Technical Symposium and Project Design Contest
8.	Department Association	Academic	Planning and organizing guest lecture, symposia and workshops
9.	Placement	Academic	Coordinating the Placement Training and Interviews

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission of the College

Vision

- To reach the highest, the ultimate phase of intellectual development, the zenith of learning - the Omega.
- To walk tall, take on the world with confidence.
- To conquer ignorance and pursue excellence in our goal to always 'stay ahead'.
- To draw the strength from the power of the Omega and to create leaders for tomorrow's world.

Mission

- To equip students with sound technical knowledge and skill.
- To offer an educational program with a plethora of innovative concepts, for creating a host of talented professionals.
- Foster an open student-oriented culture and perhaps even more important, an understanding of students, their needs, goals and aspirations.
- To develop exceptional opportunities for study & research and a system of industry-institution interaction, through industry-liaison cells, for students to contribute to our nation's economic growth.
- To evolve a friendly face of education with emphasis laid on engineering technology & research.

6.1.2 Does the mission statement define the College's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, College's traditions and value orientations, vision for the future, etc.?

Yes.

6.1.3 How is the leadership involved in ensuring the organization's management system development, implementation and continuous improvement

The college follows Autonomous college guidelines. The Principal is the Head of the Institution in-charge of Administration, academic, research and development activities. The Chairman has constituted an Apex committee consisting of Principal, Chief Executive and a Trustee to meet periodically i.e at least once in a week to review the various aspects and recommend to the Chairman for approval. The Chairman

gives his approval without any delay. In case of any clarification needed, the Chairman through video conferencing –some times interacts with Principal, Deans and HODs/ Faculty members. This gives access to the members to interact with the Chairman.

The constitution and functions of Apex committee is given in Annexure 6.1.

- **Leadership involvement**

Development of Management Systems	<ul style="list-style-type: none"> • Need Identification by Management & Departments • Identification of Resources and Agency for Development
Implementation of System	<ul style="list-style-type: none"> • Orientation programme on new systems • Training on software under implementation • Feedback from the users on customization
Continuous Improvement	<ul style="list-style-type: none"> • Regular feedback from the stakeholders • Review through QMS for Objectives & Targets • Aspiring for high level Quality Assurance Systems like Accreditation by NBA & NAAC

- **interaction with stakeholders**

S No	Stakeholders	Method of Interaction
1.	Students	Day-to-day interaction, Class Committee Meeting, Counselling & Mentoring, Periodic Feedback (Staff, teaching-learning, Examination), Interaction in Board of Studies, Academic Council and, Clubs and Societies
2.	Parents	Feedback on teaching-learning, facilities provided and expectations from the College during Parents-Teachers Meeting
3.	Industry	Recruitment of Faculty Members, Orientation Programmes to Students, Guest Lectures, Internship, Industry Visit, Project works, Interaction during the delivery of one-credit course, value added course, workshop, Board of Studies Meetings, Academic Council and Governing Council Meetings.

- **Reinforcing culture of excellence**

- ❖ Developing Creative Learning Method, layer learning/ doing by learning/ project method of learning.
- ❖ Establishing Centre of Excellence in every field of Engineering and Technology to transfer knowledge and integrate different technologies in teaching-learning.
- ❖ Establishing a Research Centre leading to Ph.D.
- ❖ Collaborating with leading academic institutions, nationally and internationally.
- ❖ Use of Technology Business Incubator by entrepreneurs for development of products/processes.
- ❖ Formation of Professional Bodies - Student Chapters to promote the linkage with industry
- ❖ Conducting National Level annual Technical Symposium and Project Design Contest
- ❖ Awards to the students excelling in the academic activities
- ❖ Encouraging faculty members and students to take up innovative projects

- **Identifying needs and championing organizational development?**

Organizational Development (OD) needs are identified in accordance with the Vision and Mission of the College.

- ❖ Providing opportunities for each organization member, individually as well as collectively, to develop to their full potential in teaching-learning, research, entrepreneurship development.
- ❖ Increase the effectiveness of the organization and its functioning in terms of goals and achievements.
- ❖ Create an environment in which it is possible to find exciting and challenging work.

The organizational development is triggered by the

- ❖ Suggestions from Governing Council, Academic Council and Boards of Studies members
- ❖ Feedback from the stakeholders
- ❖ Interaction at all levels of faculty members
- ❖ Self-appraisal system of students and staff members
- ❖ Evaluation by academic peers and survey reports
- ❖ Review of examination results
- ❖ Placement of students

6.1.4 Were any of the senior leadership positions of the College vacant for more than a year? If so, indicate the reasons.

No.

6.1.5 Does the College ensure that all positions in its various statutory bodies are filled and conduct of meetings at the stipulated intervals?

Yes.

6.1.6 Does the College promote a culture of participative management? If yes, indicate the levels of participative management.

Yes.

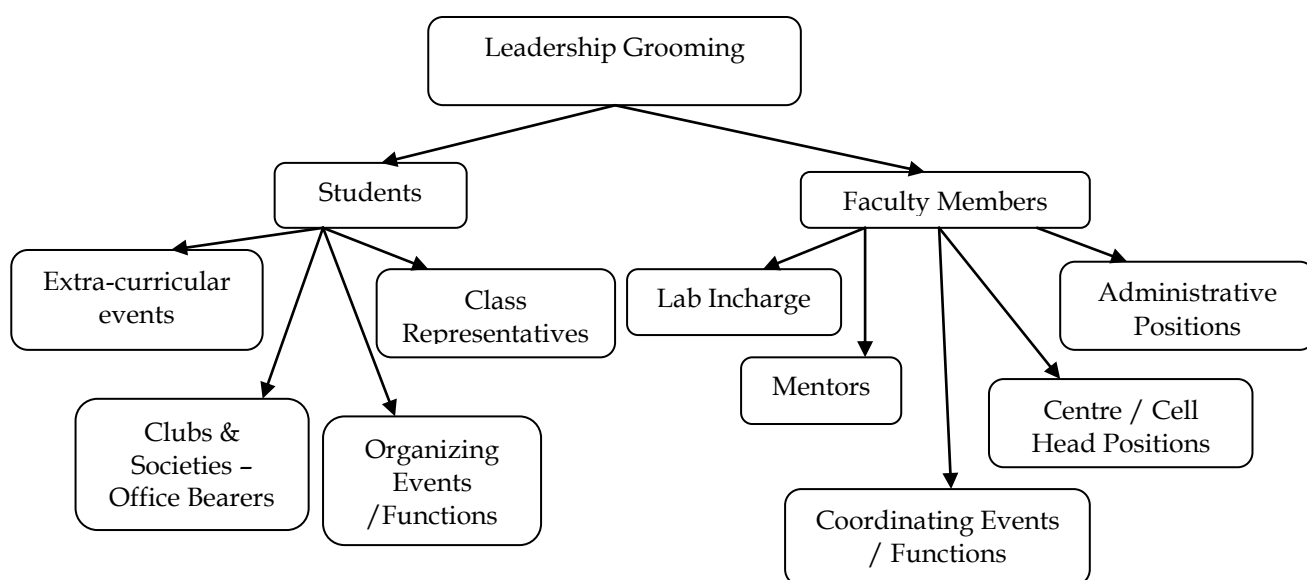
- Heads of the Department are the Chairpersons of the respective Boards of Studies, Examination-Evaluation Process, Members in Standing Committee, Academic Council. Faculty Members are inducted in various Statutory and Non-statutory Committees of the College.
- Senior Faculty Members have representation in the Governing Council.
- Staff members of each department have a participative role at the institution level and department level activities and decision making process.
- Students involvement in the intra and inter departmental, and College level activities (Teaching-learning, organizing functions, Boards of Studies, Academic Council and Clubs & welfare activities).
- Alumni participation in Board of Studies, Placement Training to the students and deliver Guest lectures.

6.1.7 Give details of the academic and administrative leadership provided by the University to the College?

University provides Nominees for Academic Council, Boards of Studies, supervising the conduct of examinations, and Results Passing Board

6.1.8 How does the College groom the leadership at various levels?

College grooms the leadership among the faculty members and students by assigning various responsibilities as given below:



6.1.9 Has the College evolved any strategy for knowledge management? If yes, give details.

Yes.

S No	Strategic Initiatives	Implementation	Objectives
1.	Competency Development	Organizing workshops, seminars, Deputing members to fairs and exhibitions, conferences, industrial visits, higher studies	Develop the knowledge base among faculty members and students to improve their knowledge level, skill and ability.
2.	Support System & External Network	Establishment of R& D committee, Membership in different professional bodies, MoUs for interaction with Industries and Foreign universities	Database maintenance, facilitation of project submission Exchange of ideas, expertise and develop inter-disciplinary projects
3.	Knowledge Retention & Dissemination	Incentivizing the research activities, facilitate IPR Filing, necessary assistance to get patents and Organizing Conferences	Retaining enlightened faculty members. Providing a platform for sharing the knowledge with other agencies

6.1.10 How are the following values reflected in various functions of the College?

The college has many co-curricular and extra-curricular activities. Through the academic area the college provides the knowledge based education through the autonomous system. Syllabus framing, Industrial interaction, the department extra-curricular activities are some of the practices contributing to the national development.

The college has the practice to improve the personality development of each student. Our aim is not only produce the graduates but also human excellence.

- **Contributing to national development**
 - ✓ College supports and provides opportunities and benefits to all sections of the population.
 - ✓ Support to poor and vulnerable sections of society like tuition fee waiver scheme, admission scholarships and friend-of-friendless scholarships.
 - ✓ Motivate the students for entrepreneurship development through academic measures (workshops, elective courses, internship, project work through latter learning and hands-on experience).
 - ✓ Technology Business Incubator (TBI) has been established in collaboration with DST, New Delhi for perspective entrepreneur to design, fabricate and test the products/ processes.
 - ✓ Protecting the environment through increasing the green-cover, water recycling and harvesting energy from solar and biogas have been implemented and thereby reducing the burden on the fossil fuels in the campus.
- **Fostering global competencies among students**
 - ✓ Organizing the lectures through video conferencing / skype, inviting experts from abroad.
 - ✓ Interaction with foreign Universities (e.g. University of Derby and New Zealand Institute of Fashion Technology, New Zealand).
 - ✓ Providing internship in foreign University / companies (University of Wisconsin, Madison, M/s Syngenta Seeds, Sweden and M/s Lucky Spinning, Thailand)
 - ✓ Sponsoring students and faculty members to participate in International Conferences / events
 - ✓ Overseas placement opportunities to the students

- **Inculcating a value system among students**

- ✓ Common dress code to the students to eliminate disparities
- ✓ Motivate to conduct NSS Camps and joins NCC and participate in Camps.
- ✓ Adopting nearby village and providing basic amenities through student participation , helping orphanage and old-age homes
- ✓ Voluntary donation of blood to the needy people and organizing organ donation camp and awareness programmes.
- ✓ Organizing traditional festivals like Navarathri and Pongal Vizha in the campus
- ✓ Celebrating Nationally and Internationally important days in the campus through Student Chapters like International Water Day, Women's Day, Science Day, Engineers Day, etc.
- ✓ Students are involved in various association and clubs to create a value based system by resolving the societal and commercial issues based on knowledge driven technologies.

- **Promoting use of technology**

Technological tools are deployed in the teaching-learning, administration, examination and evaluation, training, and co-curricular aspects:

- ✓ 5 km Optical Fibre Cable (OFC) is laid to support 100 Mbps Internet bandwidth.
- ✓ Video conferencing and webinars are arranged to interact with the experts from the industry.
- ✓ EduSat courses of Anna University and NPTEL courseware are subscribed to supplement the classroom teaching.
- ✓ College is a part of MHRD-NMICT based Education and offers webinar based training programmes.
- ✓ College is an approved Nodal Centre by NBA for organizing webinar based training programmes on Outcome Based Accreditation Process.
- ✓ All classrooms are provided with a computer, LCD projector and internet connectivity.
- ✓ College is a member of Google-Drive Applications Development Programme, providing e-mail facility with 30 GB storage, having provision for uploading the lesson plans and sharing the lesson plans for easy retrieval.
- ✓ WiFi systems are established in the campus (Academic area and hostels) and staff quarters.

- ✓ Simulation, demonstration packages and real-time models are provided in all the laboratories to educate students.
 - ✓ On-line tests are conducted in the internal evaluation and on-line feedbacks are obtained from the students at regular intervals.
 - ✓ Results of the semester examinations are published on-line.
 - ✓ Student attendance, staff and faculty attendance, calculation internal marks and various report generation are automated.
- **Quest for excellence**
 - ✓ Medals and awards are instituted to motivate the students excel in their curricular and overall performance.
 - ✓ Faculty are motivated to excel in the areas interest, publish papers & patents and secure funded projects and, also, apply for the awards in their research activities. The College has the aspiration to participate in various surveys to assess and demonstrate the excellence:
 - ❖ For the year 2009 the prestigious Bharatiya Vidya Bhavan National Award for an Engineering College having best overall performance has been awarded by ISTE, New Delhi during 39th ISTE Annual Convention held at Suratkal, Karnataka.
 - ❖ Tamil Nadu State Blood Transfusion Council and Aids Control appreciated BIT-NSS unit for organizing more number of “Voluntary Blood Donation Camp”.
 - ❖ BIT co-sponsored the National Summit on ‘Quality in Education’ organized by the CII – Coimbatore Zone during Nov 2013.
 - ❖ Dr J Ashok, Management Studies was awarded “Best faculty Award 2012in Marketing Management” by Bloomberg UTV, Mumbai.
 - ❖ Dr. V. C. Uvaraja, Mechanical Engineering was awarded “Young Scientist” by TNSCST, Chennai in the year 2013.
 - ❖ Dr. D. Saravanan, Textile Technology was awarded the U.P. Government National Award 2013 for outstanding work done in specified areas of Engineering & Technology by ISTE, New Delhi.
 - ❖ Dr. A. Amar Karthick, Mechanical Engineering was awarded the SGSITS National Award 2013 for the Best Research Work done by Young Teachers of Engineering Colleges by ISTE, New Delhi.
 - ❖ Dr. Arunava Das, Biotechnology received the AICTE Career Award for the Young Teachers 2013.

- ❖ Dr K. P. Kannan, Biotechnology received the Young Scientist Award 2013 from Padasala – Education Today, Chennai.
- ❖ Mrs. V. Evelyn Brindha, Computer Science and Engineering received a Category Award–Teaching Techniques from Myklassroom.com, a social e-learning platform in the year 2013.

6.1.11 Give details of the UGC autonomous review committee's

Recommendations and its compliance

UGC has extended the autonomous status to the College with effect from the academic year 2014–2015 to 2019–2020 including ex-post-facto approval for 2013-14.

Recommendations of UGC in the form of merits/observations, suggestions and actions taken are given below:

Autonomous Review Committee Report and Action Taken

I. Merits/Observations(As given by the committee)

- They have installed 600kW solar panels on rooftop and 2500 units are harvested every day
- Rainwater harvesting is in place having storage of 3 lakh litres
- Sewage water treatment plant is installed with the capacity of 12 lakh liter per day to treat waste water
- Mini-project has been included in each and every laboratory courses
- Patents have been registered in Chemistry, Textile-Fashion, Mechanical and Aeronautical Engineering Department
- Projects to a tune of Rs.560.32 lakhs, have been received from DST DBT, DRDO, DAE, ICMR, MCIT and AICTE since 2008_2009
- Students take up industry related projects in all the departments
- 44 candidates have completed Ph.D. from different disciplines since 2011 from this institution.
- 27 MoU has been signed with various industries and collaborative laboratories were set up.
- College has received Good Green Governance Award in the year 2007 from Srishti New Delhi
- ISTE, New Delhi has awarded Prestigious Bharatiya Vidya Bhavan National Award in the 39'h ISTE Annual convention held at Suratkal, Karnataka
- Various faculties have been awarded national and state awards for the achievements.
- The campus is well maintained and good academic environment is provided to the students and teachers.

- Adequate laboratory and classrooms are available for teaching process for the all the programmes
- For language proficiency specific language laboratory is well established.
- Modernized and Fully Automated Knowledge centre is well established.
- Hostels for Boys and girls are well established and maintained.
- 18 acres of land is specifically earmarked for Landscaping.
- The institute has Anti ragging cell and, squad with help of local Government officials.
- All the needy faculties are provided accommodation with in the campus.

II. Suggestions and Action Taken

No	Suggestion	Action Taken
1.	Better practices can be further adopted in teaching-learning processes	<ul style="list-style-type: none"> • Layer learning / learning-by-doing / has been introduced in the curriculum to enhance the teaching-learning. In this methodology, mini-projects are given to the students from I year onwards to learn, develop skills and gain hands-on experience through project works, lab experiments, presentation of papers in seminars thereby developing communications skills. • Institution motivates students to take up industry defined problems for their projects. To sharpen the critical thinking among students, various group discussions, debates, exhibition, seminars, workshops are organized in which students discuss and to present in seminar on new ideas and emerging areas after referring to journals, books and consulting teachers. This cultivates self-learning ability, life-long learning skills, observation power, analytical mind, innovative thinking and creativity • Creative Learning Methodology has been introduced in the classroom teaching to understand the subjects through peer-learning,

No	Suggestion	Action Taken
		improving reading, writing and presentation skills, besides understanding the concepts using mind map.
2.	Flexibility in the syllabus with maximum number of electives and audit courses march toward excellence.	<ul style="list-style-type: none"> Curriculum provides the flexibility to students to choose self-study electives, special electives, open electives and one-credit courses and opt for courses offered by other departments.. 47 enrichment courses, 31 modular courses have been offered in the last three years. 828 invited lectures have also been arranged in this period.
3.	Teachers Should Further Be Motivated For Attending FDP/ Seminar/Symposia/ Conferences & Workshops	<ul style="list-style-type: none"> Faculty members are sponsored to attend these programmes. This is in practice right from the beginning. 38 conferences have been organized and 570 papers have been presented by the members of faculty in the last 4 years.
4.	Teachers and students also be promoted for research and innovation	<ul style="list-style-type: none"> 25 projects worth Rs 175 lakhs have been successfully completed in the last 4 years and 36 projects worth Rs 392.80 Lakhs are in progress (Annexure 3.5). Further, the Management has sanctioned Rs 200 lakhs for faculty research for the year 2014-15.
5.	Institute being research centre, regular Ph D scholar be promoted for registration as a part of early faculty induction programme.	<ul style="list-style-type: none"> Ph D entrance examination is conducted by the Parent University. Candidates, once selected, are permitted to use the facilities of the College to conduct the research work and expenditures related to tuition fee, registration fee and examination fee are reimbursed. Further, they are also given teaching assignments as a part of early faculty induction programme.

6.	The institute should try for collaborative work and development at national and international to excel	<ul style="list-style-type: none"> • Institute has established the laboratories in collaboration with national and international organizations (Freescale semiconductors, Sun Microsystems, Lectra, Festo, Axis Global Automation, Harita-Tech Serve, Cognizant Technology Solutions). • MoUs have been signed recently to organize International Conference jointly with University of Derby, UK and to provide short training programme to the students from New Zealand Institute of Fashion Technology in the field of Textile and Fashion Technology.
7.	The curriculum should also be enriched with the component of social sciences	<ul style="list-style-type: none"> • Topics/subjects related to <ol style="list-style-type: none"> i. environmental awareness, ii. Women empowerment through higher education, iii. Energy saving and alternate energy source for the community iv. Economics related to the society/community are introduced

In addition an Apex Committee has been setup to introduce the decentralization and delegation of powers to facilitate the decision making without delay related to academic and administrative activities, ensure complete transparency and objectivity and take prompt and systematic follow up actions. Details are given in Criterion VII-7.3.1.

6.2 Strategy Development and Deployment

6.2.1 Does the College have a Perspective Plan for development? If so, give the aspects considered in development of policy and strategy.

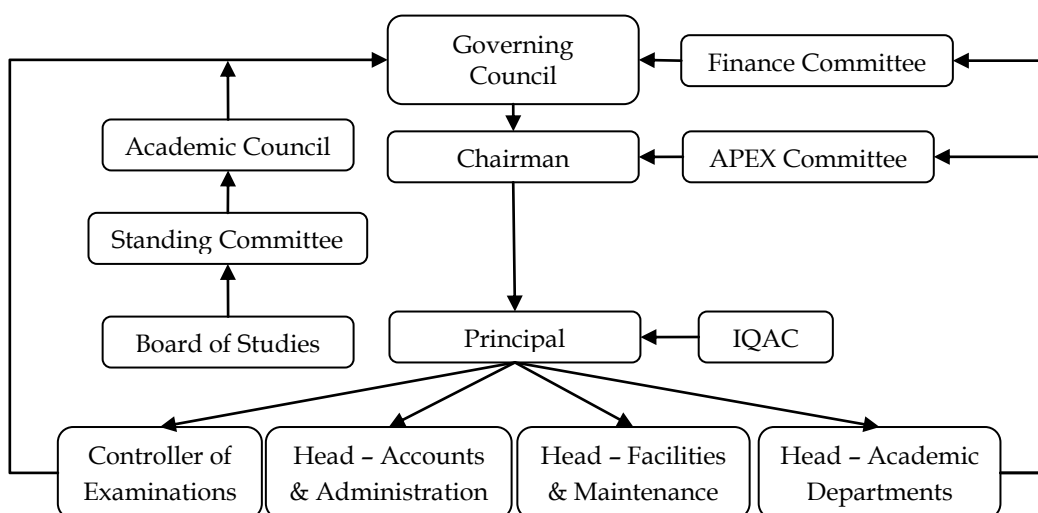
Yes. The perspective plan for development of policies and strategies has been drawn on 5-year basis. In addition to constitution of statutory bodies it is planned to setup the following

Perspective plan:

- Establishment of Research Park / Centre
- Promotion of industrial cluster for MSM Enterprises

6.2.2 Enunciate the internal organizational structure of the College for decision making processes and their effectiveness.

The College has a flat organizational structure that enhances the decision making process of various activities. Wherever decisions regarding long term projects are required, the pros and cons are discussed in the Apex Committee (Trust Member, Chief Executive Officer and Principal) and put up to the Chairman with their recommendations for his approval (as shown below).



6.2.3 Specify how many planned proposals were initiated/ implemented, during the last four years. Give details.

- Introduction of new courses in UG and PG Programmes
- NBA accreditation for courses- 6 Courses with five year accreditation and 1 Course with three year accreditation
- Setting up new labs
- Centers for Excellence (5)
- Teaching Learning Methodology- Layer Learning& CLM
- Internship for Faculty and Students
- ICT enabled classrooms
- Online administration - office(finance)
- Online examination for MCQ- Academic Section
- Notes of Lesson plans uploaded so that students can easily access
- Online feedback& review and consequently necessary corrective action taken
- To adopt higher order thinking skills in Question paper preparation

6.2.4 Does the College have a formally stated quality policy? How is it designed, driven, deployed and reviewed?

Yes.

Quality Policy

The Bannari Amman Institute of Technology is committed to create a Centre of Excellence in Engineering, Technology and Sciences having relevance to economical development through:

- Professionally competent and committed faculty;
- Continuous upgrading of the skills and knowledge of faculty;
- Updating the curriculum to impart wholesome education and meet the emerging needs of research, consultancy and extension activities;
- Relevant training to meet the requirements for placement.

Quality policy was designed with the collective participation of the Heads of the Departments and senior professors of all the Departments. Quality Policy of the College is circulated in the form of website publication, printed displays and through student's calendar. It is reviewed during the Management Review meetings conducted by Quality Management System – ISO Cell.

6.2.5 How does the College ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder-relationship?

Grievances are addressed through

- ❖ Class Committee Meeting
- ❖ Anti-ragging Committee
- ❖ Grievances Appeal Committee
- ❖ Disciplinary Committee
- ❖ Examination Malpractice Committee

6.2.6 Does the College have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response?

Yes. College has a defined mechanism of obtaining the feedbacks from the students to improve the performance and quality of the institution.

- Feedbacks are obtained through a three-tier system (faculty, performance online feedback from students and from through suggestion box);
- Based on the analysis, the Apex committee suggests remedial actions.
- Actions taken based on the suggestions
- Outcomes are observed.

Feedbacks are obtained on teaching-learning, faculty members, examination evaluation and, curriculum and syllabi through online system without the

signature of the student. Suitable corrective actions are taken based on the feedback like counseling to faculty members, organizing training programmes, etc.(Given in Annexure 6.3)

6.2.7 In what way the affiliating University helped the College to identify the developmental needs of the College?

Developmental needs of the college	Ways in which University helps
FDPs	Provides funds
FDP/ Conference /Symposium	Resource persons
Centre of Collaborative Research (Recognized Research centre for M.S by research and Ph.D.)	Promote research activities

6.2.8 Does the affiliating university have a functional College Development Council (CDC) or Board of College and University Development (BCUD)? If yes, in what way College is benefited.

No.

6.2.9 How does the College get feedback from non-teaching, teaching, parents and alumni on its functioning and how it is utilized?

S No	Feedback obtained from	Frequency	Method	Utilization
1.	Non-teaching	Twice in a year	Through Heads of the Department	Maintenance of lab equipment, Organising various training programmes for maintenance, operation and up keep the equipment in working condition and provide necessary assistance to students.
2.	Teaching Faculty	Twice in a year	Through Heads of the Department and Board of Studies	Improvement of Teaching-learning, remedial classes and development of new curriculum
3.	Parents	Twice in a year	Direct feedback, through phone calls and emails	Improvement of facilities, teaching-learning, training, placement, discipline, suggestions for starting new programmes/courses

S No	Feedback obtained from	Frequency	Method	Utilization
4.	Alumni	Twice in a year	Interaction, Questionnaire, Board of Studies Meeting	Improvement of teaching-learning, training, placement, development of laboratories

Format for each category has been prepared and given to stakeholders to submit their impressions as given in Annexure 6.3.

6.2.10 Does the College encourage autonomy to its academic departments and how does it ensure accountability?

Yes. Following table shows the autonomy given to the academic departments and their accountability system.

S No	Area of Autonomy	Responsibility	Monitoring by
1.	Finance (Budget, Expenses, Income Generated)	Head of the Department	Finance Committee
2.	Recruitment of Faculty and Staff	Head of the Department	Recruitment Committee / Panel
3.	Academic Preparation	Head of the Department	Academic Council
4.	Lesson delivery, Evaluation	Course Coordinator	Academic Section
5.	Conduct of Examinations and Evaluations	Controller of Examinations	Examination Committee & Results Passing Board
6.	Academic Audit	Audit Committee	Principal and Academic Section

The formats for academic preparation, lesson delivery, evaluation and academic audit are given in the Annexure 6.2.

6.2.11 Does the College conduct performance auditing of its various departments?

Yes. A two-layer approach is adopted in evaluating the performance of a Department, namely, (i) Achievements against Targets and Objectives set by the Departments, as specified in the Quality Management Systems (ISO 9000) and (ii) Average score earned by cadre-wise faculty members and the Average Score of the Department obtained in the Faculty Appraisal System.

6.3 Faculty Empowerment Strategies

6.3.1 What efforts are made by the College to enhance the professional development of teaching and non teaching staff?

College and the Management take efforts to enhance professional competency of the faculty members through various development measures as listed below.

S.No	Professional Development Measures
1.	Sponsorship to Higher Studies (PG to Ph D)
2.	60 days on-duty for preparing Ph D thesis
3.	Sponsorship to attend Conferences
4.	Sponsorship to attend FDP
5.	Assistance to visit / interact with Industry
6.	Incentives for getting Research Projects
7.	To organize training for Non-teaching staff and also sponsor outside training
8.	Institute organizes FDPs

19 Faculty Development Programmes are conducted in the College for in-house faculty and external faculty as given in Criterion 6.3.7.

6.3.2 What is the outcome of the review of the Performance Appraisal Reports? List the major decisions.

Performance appraisal of the faculty members are assessed at regular intervals and performances of individual members are compared with that of Department average (of each Cadre). Following table shows the number of faculty members scored less than the Department average score (2014).

Cadre	May - July	July - Sept
Professor	4	4
Associate Professor	3	5
Assistant Professor (SG)	5	4
Assistant Professor (SrG)	10	12
Assistant Professor	22	14

Following decisions were taken:

- Senior Professors to assist in the development of Assistant Professors in terms of publications and proposals submitted to various funding agencies.
- Assistant Professors need to be involved in Institute-level activities for enhancing their administrative activities / abilities.

6.3.3 What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

Free transport facility, Group Insurance, Maternity Leave, EPF, Festival Advance, Loan Assistance from Nationalized Banks and School admission to the wards are some of the welfare schemes extended to all the non-teaching staff members (as given below).

S.No	Welfare Schemes Available	% of Staff Availed the Facility
1.	Rent-free furnished quarters for Faculty	58.35% (248 out of 421)
2.	Free Transport Facilities from Local Bus Stand weekly twice for shopping.	13.0
3.	Maternity Leave scheme for female staff	14 (12 out of 85)
4.	Contribution for Employees Provident Fund	92 (261 out of 285)
5.	Festival Advance to Non-teaching Staff	100
6.	Loan assistance scheme from Nationalized Bank at nominal rate of interest	17 (45 out of 285)
7.	School Admission to the Wards	12 (29 out of 285)
8.	Group Insurance	100%
9.	Cooperative store facilities and vegetable shop facilities	58.35%
10.	Bookshop	All Faculty members
11.	Canteen facilities	All Faculty members
12.	Hospital (24 x 7) (male and female doctors)	All Faculty members
13.	Safety and Security personnel	All Faculty members
14.	Guest house with 36 rooms for visiting faculty	All Faculty members

6.3.4 What are the measures taken by the College for attracting and retaining eminent faculty?

- Rent-free furnished Staff Quarters with 24 x 7 water and power supply
- Registration Fee, Travel & Dearness Allowance for attending conferences
- Travel and Dearness Allowance for presenting projects for funding

- Provision for establishing Research Lab in the annual budget as per the area of interest
- Transport Facilities to visit industries to seek consultancy assignments
- Incentives for Funded Projects
- Admission to the wards of the faculty in the Schools (State Board & CBSE)
- Admission to the wards of the faculty in the College
- Faculty internship
- 100% filing charges for IPR
- Faculty members are sponsored by the management for doing Ph.D. programme paying full tuition fees for 3 years.
- On-duty leave (60 days) is granted to the faculty pursuing Ph.D. for doing course work, attending workshops, Conferences, meeting of experts/ guides, thesis preparation.

6.3.5 Has the College conducted a gender audit during the last four years? If yes, mention a few salient findings.

College makes efforts to maintain gender balance among the faculty members since more girl students (~30 - 40%) are admitted every year. Following table shows the presence of lady faculty members in the College for the past 4 years.

Academic Year	Total Faculty Members	No of Lady Faculty Members	% Lady Faculty Members
2013-14	423	144	35.4
2012-13	392	144	36.7
2011-12	382	141	36.9
2010-11	373	138	37.0

6.3.6 Does the College conduct any gender sensitization programs for its staff?

Yes. Women Development Cell (WDC) is established to conduct gender sensitization programs.

6.3.7 What is the impact of the University's UGC-Academic Staff College Programmes in enhancing competencies of the College faculty?

Affiliating University does not have Academic Staff College. However, the University provides funds to all the affiliated Colleges including Autonomous Colleges to conduct FDP through Centre for Faculty Development (CFD). College has conducted Faculty Development Programmes sponsored by

affiliating University and AICTE, New Delhi, as given below. It has helped to enhance the competencies of the faculty members in (i) quality of teaching-learning, (ii) updating new developments, (iii) undertaking research activities and (iv) career development.

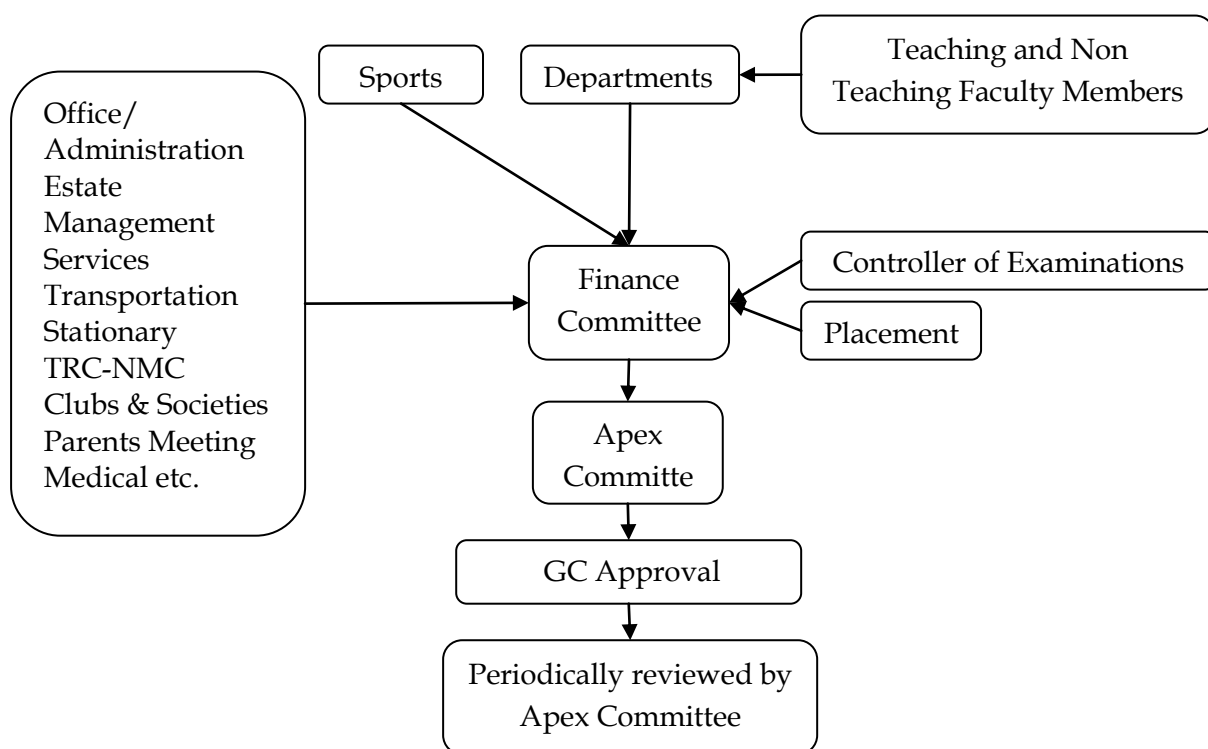
S No	Period	Programme Organized
1	2012-13	05
2	2011-12	06
3	2010-11	04
4	2009-10	04

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism to monitor effective and efficient use of financial resources?

Budgets are prepared based on requirements for consumables and non-consumables in the various departments, Controller of Examinations, Training and Placement, Sports, Administrative expenses, transport expenses, journal and books in library, furniture in the college and requirements for maintenance, service and repairs. The format for Budget is given in Annexure 6.4.

The total budget is consolidated by the Finance Committee and forwarded to the Governing Council through Apex Committee for approval.



**6.4.2 Does the College have a mechanism for internal and external audit?
Give details.**

Yes. Internal audits are conducted by the Accounts Section of the College and, Accounts Department of the Trust Office and the Chartered Accountant. External audits are conducted by the registered Chartered Accountancy Firm.

6.4.3 Provide audited income and expenditure statement of academic and administrative activities of the previous four years.

Compiled income-expenditure statement is furnished below and individual statements are given in the Annexure 6.1.

PARTICULARS	2008-09	2009-10	2010-11	2011-12	2012-13
<u>Income</u>					
Tuition Fee	161,302,550.00	18,353,7350.00	207,416,150.00	228,418,500.00	250,911,250.00
Books & Stationary Fee	2,466,435.06	4,264,640.74	11,533,115.42	7,266,603.00	10,143,397.00
Others	3,549,184.30	4,631,984.65	8,168,695.78	18,563,954.00	11,678,075.00
Application Form Sales	317,500.00	279,550.00	353,500.00	304,356.00	361,500.00
Interest Receipts	244,080.00	778,351.00	656,199.00	842,230.00	1,123,892.00
Miscellaneous Receipts	2,597,431.20	3,077,753.14	4,199,956.50	6,038,643.00	14,380,883.00
Total Income	170,477,180.56	196,569,629.53	280,135,205.78	338,459,117.00	381,842,689.00
<u>Expenditure</u>					
Affiliation Fee	1,037,500.00	10,100.00	2,079,000.00	2,500,250.00	2,898,825.00
Stores & Spares Consumption	441,019.92	640,885.23	3,056,735.33	2,651,345.00	985,318.00
Power Fuel & Water Charges	17,325,127.07	24,277,158.46	26,449,381.78	32,264,130.00	41,307,709.00
Salaries, wages and allowances	72,055,867.19	92,243,563.00	116,821,537.50	147,739,326.00	172,842,524.00
Contribution to Provident fund	2,837,652.00	3,279,758.00	3,658,154.00	4,382,004.00	4,785,323.00
Workmen & Staff welfare Expenses	2,242,467.16	3,235,507.79	7,264,314.43	9,938,368.00	7,664,063.00
Rent, rates and taxes	1,512,345.00	1,506,347.00	3,166,057.00	2,312,282.00	1,556,039.00
Insurance charges	316,738.00	438,029.00	431,894.00	745,371.00	611,665.00
Repairs & Maintenance	14,223,952.55	18,009,281.47	18,777,915.98	22,281,589.00
Transport of material	158,201.84	207,460.00	544,573.00	147,782.00	28,277,510.00

PARTICULARS	2008-09	2009-10	2010-11	2011-12	2012-13
Administrative Expenses	18,201,374.97	31,866,650.11	35,953,969.56	36,436,563.00	40,075,464.00
Financial and Bank charges	122,984.96	54,589.09	56,361.35	72,579.00	34,136.00
Audit Fee	64,090.00	74,605.00	52,393.00	175,102.00	278,087.00
Depreciation	49,794,195.56	58,895,266.36	61,822,918.85	76,812,426.00	80,526,026.00
Loss on sale of fixed asset	271,601.06	77,194.31	-	-	-
Excess of Income over Expenditure	- 10,127,936.72	-38,246,765.29	-	-	-
Total Expenditure	170,477,180.56	196,569,629.53	280,135,205.78	338,459,117.00	381,842,689.00

6.4.4 Have the accounts been audited regularly? What are the major audit objections and how are they complied with?

Yes. The accounts are audited regularly by registered auditing firm. Following observations / objections were made and sorted-out as given below:

S No	Date of the Review	Observation/Objection	Corrective Action Taken
1.	03.07.2012	Rs 33.92 lakh worth of civil and electrical items are held in the work-in-progress and consumption pattern needs to be worked out.	Proposed to consume in the building under-construction and not to buy such items till exhausted.
2.	03.07.2012	A monthly review forms for accounts and consumable needs to be developed for effective monitoring.	Implemented
3.	03.07.2012	To reclassify the consumable items into accessories, consumable-reusable and consumables to avoid wrong accounting of these items.	Implemented through suitable modifications in the accounting system.
4.	30.01.2013	Advances are made to many suppliers but follow-up actions are not documented.	Purchase Department to provide Expected Date of Receipt of Goods in the Purchase Order and follow the same.

6.4.5 Narrate the efforts taken by the College for resource mobilization.

Efforts are taken by the college to mobilize the resources using following means:

- Collection of Tuition Fees
- Application Form Sales
- Interest Receipts
- Other Receipts
 - ❖ Funds from Trust
 - ❖ Funds from Government Funding Agency (DST, DBT, DRDO, AICTE.)
 - ❖ Funds from Private agencies for projects & consultancy services

6.4.6 Is there any provision for the College to maintain the 'corpus fund'? If yes, give details.

Yes. Corpus fund is maintained as per the requirements of the Societies of Registration Act.

6.5 Internal Quality Assurance System

6.5.1 Does the College conduct an academic audit of its departments? If yes, give details.

Yes. Academic Audit Committee has been formed which conducts the academic audit at specified intervals. Composition of the audit committee is given below and some of the findings of the committee during the visit also furnished below.

1. Coordinator
2. Faculty Member 1
3. Faculty Member 2

Besides, the College has implemented ISO 9000 Quality Management System to audit various academic and supporting Departments twice in a year.

6.5.2 Based on the recommendations of academic audit what specific measures have been taken by the College to improve teaching, learning and evaluation?

Some of the key decisions taken based on academic audit include

- ❖ Posting of lesson plans of taught courses in the Google Cloud for easy access to the students
- ❖ Scrutiny of question papers
- ❖ Single question paper for common subjects
- ❖ Random checking of periodical test papers

- ❖ Develop and implement rubric based feedback system and
- ❖ Get feedback from students on examination and evaluation process

6.5.3 Is there a central body within the College to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

Yes. Academic Section and Academic Resource Cell (ARC) review the teaching- learning process. Academic Section prepares the academic calendar, comprising the schedules of total teaching days, test schedules, class committee meetings, and submission of answered scripts and marks, prior to the commencement of every semester and circulates among the Departments for preparation towards different academic activities. Academic Section is headed by a Senior Professor, supported by two faculty members and representation from each academic Department.

ARC considers suggestions given by stake holders through feedback mechanism and reviews progress of lesson plan preparation, teaching methodology and teaching aids required for classroom delivery. The staff members are advised accordingly to utilize the academic resources more effectively. ARC is headed by a Professor with representation from all the Departments.

Periodic feedbacks are collected from the students, summarized by ARC and reviewed by the concerned Head of Department for further improvement. Based on the observations, training is offered to the faculty members in the teaching methodology and pedagogy.

With coordination of Academic Section and ARC, activities related to teaching-learning are executed as planned.

6.5.4 How has IQAC contributed to institutionalizing quality assurance strategies and processes?

Internal Quality Assurance Cell of the College coordinates with the following agencies:

- System audit by Quality Management System – ISO Cell
- Academic Audit by academic audit Committee and IQAC.
- Examination and Evaluation Committee
- NBA checks for the ways and means for quality
- IQAC consolidates all the quality strategies and ensures the quality.

Academic audit committee conducts periodic audits of teaching-learning process, while examination and evaluation committee provides the feedback on the examination and evaluation process followed in the College. ISO 9000 systems ensures the assurance in the preparation for teaching-learning, evaluation and necessary equipment required in the teaching-learning, evaluation processes.

NBA Nodal Centre provides the latest guidelines to be followed by every Department to ensure the Quality Assurance in individual programmes. NAAC-Quality Assurance Cell ensures the quality consciousness among the Departments and Centres as per the guidelines given by NAAC.

Tutoring system, Professor in-charges and programme coordinators regularly monitor the performance of the students, faculty going for the corresponding classes, question papers, class committee meetings etc.

6.5.5 Does the IQAC have external members on its committees? If so, mention any significant contribution made by such members.

Yes. Two external members are inducted in the IQAC as per guidelines of NAAC. Suggestions made by external members and actions taken are furnished below:

S No	Date of Meeting	External Member	Suggestions	Action Taken / Implementation
1.	21.11.11	Mr T N Sivakumar	Suggested that BIT should look for collaboration with the industry and leading Universities.	Efforts taken and implemented by Computer Science & Information Technology, Mechanical, Textile and Fashion Technology and to be continued.
2.	21.11.11	Mr T N Sivakumar	Requested the Principal to take the census of the Green Cover available in the campus	Completed by Campus Engineer & Green Eco Club jointly.
3.	03.02.12	Mr T N Sivakumar	Improve the core placement by various Departments.	Separate budget provided for Industry Relationship Program to enhance core placements from 2012-13.

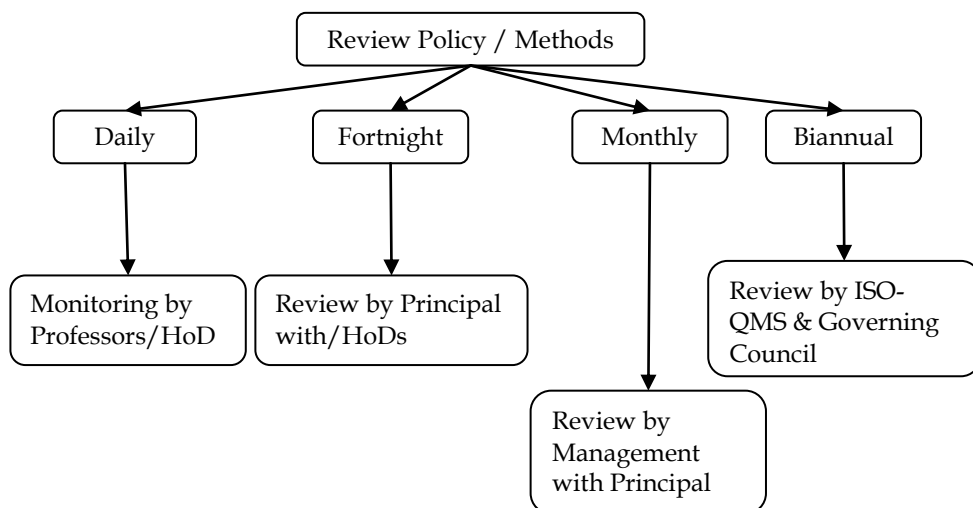
S No	Date of Meeting	External Member	Suggestions	Action Taken / Implementation
4.	18.12.12	Mr T N Sivakumar	Conduct personal effectiveness programme for the faculty members	Conducted for teaching and non-teaching staff members.
5.	18.12.12	Mr T N Sivakumar	Improve the student participation in inter-college competitions	On-duty permission is systematized to facilitate the participation in extra-mural contests
6.	13.07.13	Mr A Kanthimathinathan	Develop a benchmark for comparison of performances	Institute participation in the surveys conducted by the magazines and results are considered as the benchmark for comparison
7.	05.09.13	Mr A Kanthimathinathan	Conduct workshop on Bloom's Taxonomy	Workshop organised on 21.12.2013
8.	03.12.13	Mr A Kanthimathinathan	Provide industry exposure / training to faculty members	To be implemented on continuous basis

6.5.6 Has the IQAC conducted any study on the incremental academic growth of students from disadvantaged sections of society?

Yes. Analyses of incremental academic growth of all the students, including disadvantaged sections, are carried out in every Department after every tests and examinations. Academic growth noticed after conducting necessary Bridge courses/remedial classes.

6.5.7 What policies are in place for the periodic review of administrative and academic departments, subject areas, research centres, etc.?

Reviews conducted by the Statutory and Non-statutory Committees and Quality Management Systems of the College (ISO 9000) and Reviews of NBA coordinating Committees are used to review activities of administrative and academic departments as given below. Research council of the College decides the establishment of new Centres for Collaborative Research and submission of proposals to the Management and collaborator for research funding.



CRITERIA VII: INNOVATION AND BEST PRACTICES

7.1 Environment Consciousness

7.1.1 Does the College conduct a Green Audit of its campus?

Yes. The Enviro Club and Green Eco club of the College conduct green audit annually once with the assistance of a Campus Engineer and qualified Horticulturist. Being an academic institution, the scope of Green Audit is limited to

- Green coverage in campus and tree census
- Drinking water treatment and management
- Sewage (Hostel & Campus) treatment and management
- Kitchen and dining hall waste management

7.1.2 What are the initiatives taken by the College to make the campus eco-friendly?

➤ Energy Conservation

- Energy Conservation Club of the College identifies and proposes various energy conservation measures like switching off the lights / fans in the classrooms after the class hours, switch-off the lights in the corridors and toilets when not used etc.
- Building structures are designed with high natural lighting and ventilation to minimize lighting loads
- Power factor improved from 0.80 to 0.93 in the power distribution system
- Energy saving CFL and LED lights (total capacity 170 kW and 68 kW respectively) have been installed in the campus
- Centralized Chiller plant (612 Tons) has been installed instead of individual air conditioners
- PLC based light control panels for automatic on/off system in classrooms
- Centralized section-wise UPS systems for computers and equipment

➤ Use of Renewable Energy

- 600kW solar panels have been installed on roof-top and 2500 Units are harvested every day
- Biogas plants (120 m³ and 90 m³ capacities) have been installed in students' hostels utilizing vegetable wastes for cooking
- Solar Water Heaters (50,000 L) have been installed in the hostels for providing hot water to boys and girls for bathing

➤ **Rain Water collection**

- Rain-water harvesting is done. Rain water collection is also done in a tank with a storage capacity of 3,00,000 Litres

In addition,

- Sewage water treatment plant with a capacity of 12, 00, 000 L/day to treat the waste water has been installed
- Underground Water treatment using Reverse Osmosis with capacity of 5,000 Litres/hour is also installed

➤ **Check Dam Construction**

- Open flow channels and drain pipes have been installed in the campus to collect the rainwater in harvesting tank.

➤ **Efforts for Carbon Neutrality**

- College provides bus facilities to the faculty members and non-teaching staff from Sathyamangalam bus stand with an aim to avoid the use of individual vehicles and thus reducing the carbon emission.
- Quarters provided to the faculty members inside the campus which also minimizes the usage of automobiles.
- Dead leaves are sent to the biocomposting yard instead of burning and food wastes are decomposed in biogas plant.
- More saplings are planted every year in various locations to reduce the carbon load.

➤ **Plantation**

- College campus has 6,348 trees of 97 varieties
- 18 acre - land has been dedicated for landscape lawns
- College organizes programmes through GREEN ECO club every year to inculcate awareness on green environment.

➤ **Hazardous waste management**

- The College does not generate any hazardous or radioactive wastes.

➤ **e-waste management**

- The College does not generate any e-waste. Computers, UPS and Printing systems are sent to scrap dealers for safe disposal.

7.2 Innovations

- 7.2.1 Provide details of innovations introduced during the last four years which have created a positive impact on the functioning of the College.

Curricular Aspects, Teaching - Learning

- Freshers are taken round in batches to the department Labs/Workshops library and main library to show the facilities available and a weeklong orientation programme is organised.
- Creative Learning Methodology (CLM), a student-centered approach, has been introduced to engage every student in self-learning, peer learning, group learning, Layer learning and development of presentation skills. Also animated videos are used for learning process
- Development of teaching modules in English to suit the needs of students from vernacular medium of study
- Uploading the lesson plans in the Google Cloud for easy access to the students through common email id with 30 GB storage.
- Introduction of Design and Application Oriented Experiments in laboratory courses
- Yoga and Art-of-living programmes offered to all the students
- German, Japanese and Hindi languages are offered as language electives.
- Participation in the MHRD-NMICT through IIT Bombay and IIT Kharagpur as nodal Centre.

Research and Development

- Funds provided to members of faculty by the Management to pursue R&D
- Established new facilities in the areas of 3D Printing, Rapid Prototyping, Plasma Processing, Cloud Computing and Embedded systems
- Solving Industry Defined Problems (IDP) for experiential learning and the best solutions are awarded cash prize during annual technical symposium, FUTURA
- An IPR Cell has been created to promote IPR culture among students and to file patents with financial sponsorship from the Management and 16 patents have been filed in the past 4 years.

- Technical Seminar and Mini-Projects have been introduced in every semester to inculcate analytical thinking, innovative attitude and creativity.
- Established Laboratories in collaboration with Industries in emerging areas
- College conducts intercollegiate national level technical symposium, design and fabrication of working models contest every year. Prizes are given to top eight projects and best papers in each branch. Rs. 85 lakhs are provided for this event. Free boarding and lodging are provided for participants.
- Funds provided to the students to undertake projects for annual project contest. Students won Rs 1 lakhs cash prize during 2013 annual competition (FUTURA) and extra-mural competitions including CII – INNOVATOR AWARD and MOTOROLA AWARD.

Governance, Administration

- Formation of Apex Committee for delegation of power and quick decision making – details are given in Annexure 6.1
- Display of circulars and notices through e-platform (CAMPS)
- Online attendance entry facility in the classroom itself introduced since 2013
- Women Development Cell to handle gender-based issues and Crèche facility for women employees
- Wi-Fi systems in the Main Gate, Learning Centre, Dining Halls and Students' Hostels
- RFID based entry / exit system in the hostels and Learning Centre
- Friend-of-Friendless (FoF), a scheme promoted by students is successfully implemented by collecting contribution from the students and providing to economically weaker students.

Student Support and Progression

- Development and implementation of Students Performance Indicators based on Graduate Attributes
- Introduction of on-line student feedback systems
- Online examination for Multiple Choice Questions and On-line Mark entry system in periodical tests for the past 2 years
- Online results publication in the case of semester examinations.
- Performance appraisal systems

- Rewarding system for the prize winning students in events conducted by other colleges by conducting Achiever's Day

7.3 Best Practices

7.3.1 Give details of any two best practices which have contributed to better academic and administrative functioning of the College.

Practice I

Title: ICT Based Teaching - Learning

Goal

- Develop new teaching methodology to break the monotony of regular lecture method
- Easy access to learning materials, on and off-campus
- Active participation of the students in teaching process
- Theory courses with laboratory component is regular methodology. In addition Layer -Learning/ Learning by doing/Project learning is introduced.

The Context

Quality of teaching is a fundamental requirement for generating the intellectual capital and to maintain competitive edge over other countries, globally. It is essential to deliver the lectures in the classrooms in interactive way rather than lectures by faculty members. Also, it is essential to provide the learning materials to the students at various possible locations like hostels, Internet centre, library to read and understand the subject.

The Practices

- Theory courses with laboratory component, i.e. Layer -Learning/ Learning by doing/Project learning - every students gets an opportunity to learn theory and practice simultaneously, doing projects thereby referring literature in the relevant area, consulting the teacher and present paper in the seminar thereby developing reading, writing and presentation/communicationskills
- ICT enabled classrooms are established
- Course materials in the form of lesson plans are prepared for all taught courses and uploaded in the Google Cloud and shared with students
- All students and faculty members are provided email ids in a common domain (bitsathy.ac.in) and 30 GB storage space through Google Application Development
- Provision for sharing the course materials through Google Cloud
- Means to access the reading materials to the students

- Assess student's learning through MCQs provided in the reading materials

Evidence of Success

- Hands on training
- Improvement in the examination pass percentage
- Performance in the placement interviews
- Communication and presentation skills
- Handling equipment
- Operation of machines
- Internship for students
- Students access the course materials at various locations like hostels, learning centres, internet centre and their respective houses
- Students attend the classes with prior preparation to participate in the interaction
- Outside the classrooms, the students learn from their peers and in groups
- Online test practices
- Availability of e-courseware
- Web links for competitive exam questions and answers
- Feedback from the students and faculty members are obtained for improvement

Problems Encountered and Resource Required

- Paradigm shift in the focus of faculty members, from routine teaching to interactive way.
- Faculty to be well versed in preparing the course materials
- Training all the faculty members in preparation of course materials and uploading the same in cloud system
- To motivate the students to think intelligently and develop creativity
- Students training in accessing / using the system
- Financial commitment by the Management
- Facilities for preparation, uploading and sharing the course materials
- Facilities to access the course materials at various locations inside the College

Practice II

TITLE: Decentralization and Delegation of Power – Apex Committee

Goal

Introduce the decentralization and delegation of powers to facilitate the decision making related to academic and administrative activities, ensure complete transparency and objectivity and take prompt and systematic follow up actions.

The Context

While the College has a clearly laid down Vision and Mission, a specific target is considered necessary and prescribed to provide a clear direction and focus to the efforts of all concerned in the College. In the backdrop of the bright students, best of the faculty members and with necessary infrastructure that the College possesses, it is expected to become one of the Best Engineering Colleges. In this context, in order to facilitate the decision making related to academic and administrative activities, ensure complete transparency and objectivity and take prompt and systematic follow up actions, it was decided to form an Apex Committee that can exercise / discharge the following activities.

The Practice

The college follows Autonomous college guidelines. The Principal is the Head of the Institution in-charge of Administration, academic, research and development activities. The Chairman has constituted an Apex committee consisting of Principal, Chief Executive and a Trustee to meet periodically i.e at least once in a week to review the various aspects and recommend to the Chairman for approval. The Chairman gives his approval without any delay. In case of any clarification needed, the Chairman through video conferencing –some times interacts with Principal, Deans and HODs/ Faculty members. This gives access to the members to interact with the Chairman.

Evidence of Success

- Apex Committee has met 70+ times in the last 1 year
- Systematic preparation and approval of annual budget
- Preparation of Department Development Plan by all the Departments
- Development of appraisal systems for students and faculty members
- Establishment of Industry Sponsored Laboratories (TVS-Harita NPD Lab, Axis Global Automation Lab, Festo Automation Lab, BIT-Freescale lab, Texas Instruments – Embedded Systems Lab)

- Interaction with New Zealand Institute of Fashion Technology for NZ Student Training
- Implemented the Research Fund (Rs 2 Cr) to harness Research Activities in the College
- Establishment of 60 Clubs and Societies
- Created a Software Development Cell for e-governance
- Established Video Conferencing Facilities to interact with the Chairman

Problems Encountered and Resources Required

- Paradigm change in the mindset of the students and staff to follow newsystem
- Orientation and importance of the system has been explained to all
- Preparation of convincingly acceptable performance appraisal systems

NAAC: CYCLE I
RECOMMENDATIONS FOR QUALITY ENHANCEMENT
AND ACTION TAKEN REPORT

No.	Suggestion	Action Taken
1.	Publications in international journals should be encouraged by providing special incentives	Encouragement to Publications in International Journals through Faculty Performance Assessment
2.	More UG / PG courses in innovative / emerging / job oriented areas	BE - Automobile Engineering, Mechatronics&ME: CAD/CAM, Embedded Systems, Industrial Safety and Engineering and Instrumentation Engineering started
3.	Inter-departmental linkages in teaching and research be encouraged	Encouragement to inter-departmental / inter-disciplinary projects by providing funds by the Management (Rs 2 Crores for the year 2014-15) and 6 projects through funding agencies (Rs 53.40 lakhs) under progress
4.	Library facility be augmented by procuring latest editions of standard textbooks	Establishment of new 5-storey Learning Centre with automated systems. 23,000 books added to the Learning Centre
5.	R&D and consultancy activities need to be increased significantly.	41 projects worth Rs1474.41 lakh are executed. Rs 42.05 lakh generated through consultancy and testing services
6.	More exposure of teachers and students to industries and to the development in technologies	<ul style="list-style-type: none"> i. Introduced one credit course- subjects handled by industry experts; ii. Students internship on summer training are provided by industries; iii. Industry visit and training to know about contemporary industrial practices; iv. Teachers visit industries periodically and get to know industrial problems to offer consultancy for minor one and take up major one as sponsored projects; v. Industries have sponsored setting up of laboratories.
7.	Modernization of laboratories	Machinery & Equipment added to the tune of Rs 17.64 Crores
8.	Introducing academic flexibility after 2 nd semester of engineering and technology programmes	Academic flexibility introduced in terms of elective subjects from II semester onwards (Language electives, one-credit courses)
9.	Efforts should be made for the comforts of differently-abled persons	Comforts of differently-abled students by providing (i) ramps, (ii) hand-rails, (iii) lifts, (iv) scribe facility, (v) rooms in ground floor in the hostels and (vi) exclusive toilets

RECENT AUTONOMOUS REVIEW COMMITTEE REPORT

16 - 17 JUNE 2014

SUGGESTIONS AND ACTION TAKEN

No	Suggestion	Action Taken
1.	Better practices can be further adopted in teaching-learning processes	Layer learning and Creative Learning Methodology introduced
2.	Flexibility in the syllabus with maximum number of electives and audit courses march toward excellence.	Curriculum provides flexibility to students to choose self-study electives, special electives, open electives and one-credit courses. 47 enrichment courses, 31 modular courses have been offered in the last three years.
3.	Teachers Should Further Be Motivated For Attending FDP/ Seminar/Symposia/ Conferences & Workshops	Faculty members are sponsored to attend these programmes. 38 conferences have been organized and 570 papers have been presented by the members of faculty in the last 4 years.
4.	Teachers and students also be promoted for research and innovation	41 projects worth Rs1474.41 lakh are executed. Further, the Management has sanctioned Rs 200 lakhs for faculty research for the year 2014-15.
5.	Institute being research centre, regular Ph D scholar be promoted for registration as a part of early faculty induction programme.	Ph D entrance examination is conducted by the Parent University. Candidates, once selected, are permitted to use the facilities of the College to conduct the research work. Scholars are given teaching assignments as a part of early faculty induction programme.
6.	The institute should try for collaborative work and development at national and international to excel	Institute has established laboratories in collaboration with Freescale semiconductors, Sun Microsystems, Lectra, Festo, Axis Global Automation, Harita-Tech, Cognizant Technology.MoUs have been signed to organize International Conference (University of Derby, UK), to provide short training programme (NZ Institute of Fashion Technology)
7.	The curriculum should also be enriched with the component of social sciences	Topics/subjects related to i. environmental awareness, ii. Women empowerment through higher education, iii. Energy saving and alternate energy source for the community iv. Economics related to the society/community are introduced



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

F.No. Southern/1-2016453212/2014/EOA

Date: 04-Jun-2014

To,
The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
N. K. M. Bld. 6th Floor Secretariat,
Chennai-600009

Sub: Extension of approval for the academic year 2014-15

Ref: Application of the Institution for Extension of approval for the academic year 2014-15

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Southern	Application Id	1-2016453212
		Permanent Id	1-5146256
Name of the Institute	BANNARI AMMAN INSTITUTE OF TECHNOLOGY	Institute Address	SATHY-BHAVANI STATE HIGHWAY ALATHUKOMBAI-POST SATHYAMANGALAM-638401 ERODE DISTRICT TAMIL NADU, SATHYAMANGALAM, ERODE, Tamil Nadu, 638401
Name of the Society/Trust	BANNARIAMMAN EDUCATIONAL TRUST	Society/Trust Address	1212, TRICHY ROAD, NEAR SUNGAM CIRCLE, COIMBATORE, COIMBATORE, COIMBATORE, Tamil Nadu, 641018
Institute Type	Unaided - Private		

Opted for change from Women to Co-ed	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

to conduct following courses with the intake indicated below for the academic year 2014-15

Application Number: 1-2016453212*

Page 1 of 6

Note: This is a Computer generated Letter of Approval.No signature is required.

Letter Printed On:14 June 2014

Printed By : AE223281



Application Id: 1-2016453212			Course	Full/Part Time	Affiliating Body	Intake 2013-14	Intake Approved for 14-15	NRI Approval status	PIO Approval status	Foreign Collaboration Approval status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	APPLIED ELECTRONICS	FULL TIME	Anna University, Chennai	30	30	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	BIOTECHNOLOGY	FULL TIME	Anna University, Chennai	18	18	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	CAD CAM	FULL TIME	Anna University, Chennai	18	18	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	COMMUNICATION SYSTEMS	FULL TIME	Anna University, Chennai	18	18	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Anna University, Chennai	24	24	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	EMBEDDED SYSTEMS	FULL TIME	Anna University, Chennai	24	24	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	ENGINEERING DESIGN	FULL TIME	Anna University, Chennai	18	18	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	INDUSTRIAL SAFETY & ENGINEERING	FULL TIME	Anna University, Chennai	0	18	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	INSTRUMENTATION ENGINEERING	FULL TIME	Anna University, Chennai	0	18	NA	NA	N



Application Id: 1-2016453212			Course	Full/Part Time	Affiliating Body	Intake 2013-14	Intake Approved for 14-15	NRI Approval status	PIO Approval status	Foreign Collaboration Approval status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	POWER ELECTRONICS AND DRIVES	FULL TIME	Anna University, Chennai	18	18	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	SOFTWARE ENGINEERING	FULL TIME	Anna University, Chennai	24	24	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	STRUCTURAL ENGINEERING	FULL TIME	Anna University, Chennai	18	18	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	VLSI DESIGN	FULL TIME	Anna University, Chennai	24	24	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	AERONAUTICAL ENGINEERING	FULL TIME	Anna University, Chennai	60	60	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	AUTOMOBILE ENGINEERING	FULL TIME	Anna University, Chennai	0	60	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	BIOTECHNOLOGY	FULL TIME	Anna University, Chennai	60	120	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	CIVIL ENGINEERING	FULL TIME	Anna University, Chennai	120	120	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Anna University, Chennai	180	180	NA	NA	N



Application Id: 1-2016453212			Course	Full/Part Time	Affiliating Body	Intake 2013-14	Intake Approved for 14-15	NRI Approval status	PIO Approval status	Foreign Collaboration Approval status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	Anna University, Chennai	120	120	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRONICS & COMMUNICATION ENGG	FULL TIME	Anna University, Chennai	240	240	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRONICS & INSTRUMENTATION ENGINEERING	FULL TIME	Anna University, Chennai	120	120	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	FASHION TECHNOLOGY	FULL TIME	Anna University, Chennai	30	30	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	INFORMATION TECHNOLOGY	FULL TIME	Anna University, Chennai	120	120	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	MECHANICAL ENGINEERING	FULL TIME	Anna University, Chennai	240	240	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	MECHATRONICS	FULL TIME	Anna University, Chennai	60	120	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	TEXTILE TECHNOLOGY	FULL TIME	Anna University, Chennai	60	60	NA	NA	N
MANAGEMENT	1st Shift	POST GRADUATE	MASTERS IN BUSINESS ADMINISTRATION	FULL TIME	Anna University, Chennai	60	60	NA	NA	N



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

- Validity of the course details may be verified at www.aicte-india.org>departments>approvals

The above mentioned approval is subject to the condition that BANNARI AMMAN INSTITUTE OF TECHNOLOGY shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal and subsequently upload and update the student/ faculty/ other data on portal as per the time schedule which will be intimated by AICTE.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

(Dr. Kuncheria P. Isaac)

Member Secretary, AICTE

Copy to:

1. **The Regional Officer,**
All India Council for Technical Education
Shastri Bhawan 26, Haddows Road
Chennai - 600 006, Tamil Nadu
2. **The Director Of Technical Education,**
Tamil Nadu
3. **The Registrar,**
Anna University, Chennai
4. **The Principal / Director,**
BANNARI AMMAN INSTITUTE OF TECHNOLOGY
SATHY-BHAVANI STATE HIGHWAY
ALATHUKOMBAI-POST
SATHYAMANGALAM-638401
ERODE DISTRICT
TAMIL NADU,
SATHYAMANGALAM,ERODE,
Tamil Nadu,638401
5. **The Secretary / Chairman,**

Application Number: 1-2016453212*

Page 5 of 6

Note: This is a Computer generated Letter of Approval.No signature is required.

Letter Printed On:14 June 2014

Printed By : AE223281



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

BANNARIAMMAN EDUCATIONAL TRUST
1212, TRICHY ROAD, NEAR SUNGAM CIRCLE, COIMBATORE,
COIMBATORE, COIMBATORE,
Tamil Nadu, 641018

6. Guard File(AICTE)



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

F.No. Southern/1-2016797962/2014/EOA/Corrigendum-1

Date: 10-Jun-2014

Corrigendum

To,
The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
N. K. M. Bld. 6th Floor Secretariat,
Chennai-600009

Sub: Extension of approval for the academic year 2014-15.

Ref : Application of the Institution for Extension of Approval for the Year 2014-15

EOA Issued on	F.No. Southern/1-2016797962/2014/EOA	04-Jun-2014
EOA Printed on	F.No. Southern/1-2016797962/2014/EOA	06-Jun-2014
Corrigendum 1	F.No. Southern/1-2016797962/2014/EOA/Corrigendum-1	10-Jun-2014

Sir/Madam,

In partial modification of the letter F.No. Southern/1-2016797962/2014/EOA and in terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F.No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Southern	Application Id	1-2016797962
		Permanent Id	1-6617011
Name of the Institute	BANNARI AMMAN INSTITUTE OF TECHNOLOGY - MCA (STAND ALONE)	Institute Address	BANNARI AMMAN INSTITUTE OF TECHNOLOGY SATHY-BHAVANI STATE HIGHWAYS ALATHUKOMBAI- POST SATHYAMANGALAM 638 401 ERODE DIST TAMIL NADU, SATHYAMANGALAM, ERODE, Tamil Nadu, 638401
Name of the Society/Trust	BANNARI AMMAN EDUCATIONAL TRUST	Society/Trust Address	1212, TRICHY ROAD NEAR SUNGAM CIRCLE COIMBATORE, COIMBATORE, COIMBATORE, Tamil Nadu, 641018
Institute Type	Unaided - Private		

Opted for change from Women to Co-ed	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

Application Number: 1-2016797962*

Page 1 of 3

Note This is a Computer generated Corrigendum Letter for EoA. No signature is required.

Letter Printed On: 14 June 2014.

Printed By : ae3537131



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

to conduct following courses with the intake indicated below for the academic year 2014-15

Application Id: 1-2016797962			Course	Full/Part Time	Affiliating Body	Intake 2012-13	Intake 2013-14	Intake Approved for 2014-15	NRI	PIO
Program	Shift	Level								
MCA	1st Shift	POST GRADUATE	COMPUTER APPLICATIONS	FULL TIME	Anna University, Chennai	180	180	120	NA	NA

- Validity of the course details may be verified at www.aicte-india.org/departments/approvals

The above mentioned approval is subject to the condition that BANNARI AMMAN INSTITUTE OF TECHNOLOGY - MCA (STAND ALONE) shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

(Dr. Kuncheria P. Isaac)
Member Secretary, AICTE

Copy to:

- The Regional Officer,



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

All India Council for Technical Education
Shastri Bhawan 26, Haddows Road
Chennai - 600 006, Tamil Nadu

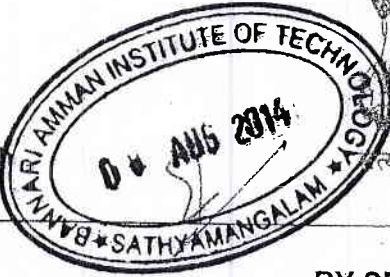
2. **The Director Of Technical Education,**
Tamil Nadu
3. **The Principal / Director,**
BANNARI AMMAN INSTITUTE OF TECHNOLOGY - MCA (STAND ALONE)
BANNARI AMMAN INSTITUTE OF TECHNOLOGY
SATHY-BHAVANI STATE HIGHWAYS
ALATHUKOMBAI- POST
SATHYAMANGALAM 638 401
ERODE DIST
TAMIL NADU,
SATHYAMANGALAM,ERODE,
Tamil Nadu,638401
4. **The Secretary / Chairman,**
BANNARI AMMAN EDUCATIONAL TRUST
1212, TRICHY ROAD
NEAR SUNGAM CIRCLE
COIMBATORE,
COIMBATORE,COIMBATORE,
Tamil Nadu,641018
5. **Guard File(AICTE)**



एन. विद्यापीठ, चेन्नई

डॉ. मंजू सिंह
संयुक्त सचिव

Dr. Manju Singh
Joint Secretary



सत्यमेव जयते

विश्वविद्यालय अनुदान आयोग

University Grants Commission

(मानव संसाधन विकास मंत्रालय, भारत सरकार)

(Ministry of Human Resource Development, Govt. of India)

बहादुरशाह ज़फ़र मार्ग, नई दिल्ली-110002

Bahadur Shah Zafar Marg, New Delhi-110002

दूरभाष Phone : कार्यालय Off : 011-23238876

फैक्स Fax : 011-23232297

BY SPEED POST

No.F. 22-1/2014(AC)

July, 2014

The Registrar,
Anna University,
Sardar Patel Road, Guindy,
Chennai – 600 025

11/18 file
AH. Jee

30 JUL 2014

Sub:- Grant of Extension of Autonomous Status to Bannari Amman Institute of Technology, Alathukombai (Po) Sathyamangalam Erode Dt. 638 401 (TN) affiliated to Anna University, Chennai

Sir/Madam,

This has reference to this office letter No. 22-1/2008(AC) dated 27.02.2008 on the captioned subject for grant of extension of autonomous status and subsequent visit of the UGC Joint Expert Review Committee held on 16th and 17th June, 2014.

The report of the aforesaid UGC Joint Expert Review Committee was placed before the Standing Committee constituted for the purpose by the Commission to look into the recommendation of Expert Committee report for grant of extension as well as fresh autonomous status to colleges before its recommendations are placed before the Commission for its final approval or otherwise as the case may be.

The recommendations of this Standing Committee were placed before the Commission at its meeting held on 22.07.2014. The Commission, after taking due consideration of the recommendations of the Standing Committee, agreed to grant extension of autonomous status to Bannari Amman Institute of Technology, Alathukombai (Po) Sathyamangalam Erode Dt. 638 401 (TN) affiliated to Anna University, Chennai under the UGC autonomous colleges scheme for a period of six years w.e.f. the academic year i.e. 2014-2015 to 2019-2020 including ex-post-facto approval for 2013-2014

The Anna University, Chennai may now go ahead and issue necessary orders in this regard by endorsing a copy of the same to this office for our records. The admissible grant under this scheme will be released to the College as per its eligibility, according to the norms as laid down as per applicable Guidelines for Autonomous Colleges by the Joint Secretary, UGC South Eastern Regional Office, PB No. 152, APSFC Building, 4th Floor, 5-9-194, Chirag Ali Lane, Hyderabad – 500 001

Yours faithfully

(MANJU SINGH)

Contd....



1193

Copy to:-

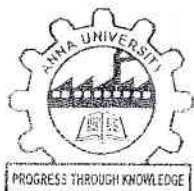
1. The Principal Secretary, (Higher Education)
Govt. of Tamilnadu, N.K.M. Building,
6th Floor, Secretariat, Chennai – 600 009
(Tamilnadu).
2. The Joint Secretary,
UGC South Eastern Regional Office,
PB No. 152, APSFC Building, 4th Floor, 5-9-194,
Chirag Ali Lane, Hyderabad – 500 001.
3. The Principal,
Bannari Amman Institute of Technology,
Alathukombai (Po) Sathyamangalam
Erode Dt. 638 401 (TN).

(A copy of the Expert Committee report is also enclosed for your information and guidance).

4. Meeting Cell.
5. Concerned file
6. Guard File.

Manj Singh
(MANJU SINGH)

310 JUL 2014



ANNA UNIVERSITY

CHENNAI - 600 025, INDIA

Phone : (O) 22352161, 22357004

Fax : 91-44-2235 1956

Gram : ANNATECH

E-mail : registrar@annauniv.edu

REGISTRAR



Lr No. 02 /AFFLN/CAI/AU/CBE/2014-15/7376

To

The Principal,
Bannari Amman Institute of Technology
(Autonomous), Sathy-Bhavani Road, (State Highway),
Alathukombai Post, Sathyamangalam (Taluk), Erode
District-638401

Sir,

Sub: AU - AFFILIATION - Provisional Affiliation for the existing course(s) / New course(s) / variation in intake - U.G. / P.G. for the academic year 2014-15 Granted - Reg.

- Ref: 1. Your application for affiliation for the academic year 2014-15
2. AICTE Approval for the academic year 2014-15.

I am to inform that under the provisions of Section 7.6.1 of the Statutes for affiliation of Anna University, Chennai, **Provisional Affiliation** for the continuation of the existing course(s) / new course(s) / variation in intake in the existing course(s) is granted for the following U.G / P.G. courses with the sanctioned intake mentioned against each course for the academic year 2014-15 at Bannari Amman Institute of Technology (Autonomous), Sathy-Bhavani Road, (State Highway), Alathukombai Post, Sathyamangalam (Taluk), Erode District-638401.

Sl. No.	Degree	Course(s)	Sanctioned Intake	
			2013-14	2014-15
1	B.E.	Aeronautical Engineering	60	60
2	B.E.	Civil Engineering	120	120
3	B.E.	Computer Science and Engineering	180	180
4	B.E.	Electrical and Electronics Engineering	120	120
5	B.E.	Electronics and Communication Engineering	240	240
6	B.E.	Electronics and Instrumentation Engineering	120	120
7	B.E.	Mechanical Engineering	240	240
8	B.E.	Mechatronics	60	120
9	B.Tech.	Bio-Technology	60	120
10	B.Tech.	Information Technology	120	120
11	B.Tech.	Textile Technology (Fashion Technology)	30	30
12	M.B.A.	Master of Business Administration	60	60
13	M.E.	Applied Electronics	30	30
14	M.E.	CAD/CAM	18	18
15	M.E.	Communication Systems	18	18
16	M.E.	Computer Science and Engineering	24	24
17	M.E.	Embedded Systems	24	24

Sl. No.	Degree	Course(s)	Sanctioned Intake	
			2013-14	2014-15
18	M.E.	Engineering Design	18	18
19	M.E.	Power Electronics and Drives	18	18
20	M.E.	Software Engineering	24	24
21	M.E.	Structural Engineering	18	18
22	M.E.	VLSI Design	24	24
23	M.Tech.	Bio-Technology	18	18
24	B.E.	Automobile Engineering	-	60
25	M.E.	Industrial Safety and Engineering	-	18
26	M.E.	Instrumentation Engineering	-	18

The above said Provisional Affiliation is being granted subject to the fulfillment of the conditions mentioned below:

- Production of Originals of AICTE / COA / DGS approval and all other related documents for verification, whenever demanded by the University.
- Verification by a committee towards the fulfillment of the conditions mentioned above and the continued fulfillment of the requirements for the above-mentioned course(s) as per the norms and standards of AICTE and the laboratory requirements as per the curricula and syllabi of Anna University, Chennai for the above courses. In the event of any violation/infringement of the above said conditions and / or the provisions of Anna University, Chennai Act / Statutes / Regulations, AICTE Act, norms & standards / regulations / guidelines or any other law time being in force, suitable action including suspension / withdrawal of affiliation of course(s) may be initiated against the college.
- Under no circumstances, fresh admission be made in the above course(s) during the academic year 2015-16, until and unless the continuation of provisional affiliation is obtained from the University.

The Provisional Affiliation is granted without prejudice to the right of the University of requiring production of certificate required under Section 37-B of TAMILNADU Reforms (LC) Act 1961 subject to the decision of the Hon'ble High Court of Madras in W.A. No. 3454 / 2002 batch and W.A. No. 3482 / 2002 batch.

The Chairman should submit an undertaking duly signed on a Rs.100/- non-judicial stamp paper to The Registrar, Anna University, Chennai 600 025, within 15 days from the date of receipt of this letter stating that the conditions specified above be fulfilled and The Chairman is aware of the fact that the University may conduct surprise inspections to verify the fulfillment of requirements as per the norms and standards of Anna University for the continuation of affiliation.



Copy to:

1. The Commissioner of Technical Education, DOTE campus, Chennai - 600 025.
2. The Regional Officer, Southern Regional Office, AICTE, 26, Haddows Road, Shastri Bhawan, Chennai 600 006
3. The Controller of Examinations, Anna University, Chennai - 600 025
4. The Director, Student Affairs, Anna University, Chennai - 600 025.
5. Master File

Yours sincerely,

23/06
REGISTRAR
REGISTRAR
ANNA UNIVERSITY
CHENNAI-600 025



ANNA UNIVERSITY

CHENNAI - 600 025, INDIA

Phone : (O) 22352161, 22357004

Fax : 91-44-2235 1956

Gram : ANNATECH

E-mail : registrar@annauniv.edu

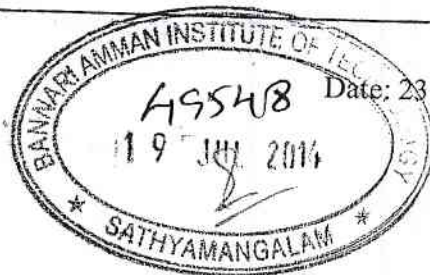
REGISTRAR

Lr No. 02 /AFFLN/CAI/AU/CBE/2014-15/21

To

The Principal,
Bannari Amman Institute of Technology (MCA Stand
Alone), Sathy-Bhavani Road, Aluthukombai(Po),
Sathyamangalam, Erode-638401

Sir,



Date: 23-06-2014

Sub: AU - AFFILIATION - Provisional Affiliation for the existing course(s) / New course(s) / variation in intake - U.G. / P.G. for the academic year 2014-15 Granted - Reg.

- Ref: 1. Your application for affiliation for the academic year 2014-15
2. AICTE Approval for the academic year 2014-15.

I am to inform that under the provisions of Section 7.6.1 of the Statutes for affiliation of Anna University, Chennai, **Provisional Affiliation** for the continuation of the existing course(s) / new course(s) / variation in intake in the existing course(s) is granted for the following U.G / P.G. courses with the sanctioned intake mentioned against each course for the academic year **2014-15** at **Bannari Amman Institute of Technology (MCA Stand Alone), Sathy-Bhavani Road, Aluthukombai(Po), Sathyamangalam, Erode-638401.**

Sl. No.	Degree	Course(s)	Sanctioned Intake	
			2013-14	2014-15
1	M.C.A.	Master of Computer Applications	180	120

The above said **Provisional Affiliation** is being granted subject to the fulfillment of the conditions mentioned below:

- Production of Originals of AICTE / COA / DGS approval and all other related documents for verification, whenever demanded by the University.
- Verification by a committee towards the fulfillment of the conditions mentioned above and the continued fulfillment of the requirements for the above-mentioned course(s) as per the norms and standards of AICTE and the laboratory requirements as per the curricula and syllabi of Anna University, Chennai for the above courses. In the event of any violation/infringement of the above said conditions and / or the provisions of Anna University, Chennai Act / Statutes / Regulations, AICTE Act, norms & standards / regulations / guidelines or any other law time being in force, suitable action including suspension / withdrawal of affiliation of course(s) may be initiated against the college.
- Under no circumstances, fresh admission be made in the above course(s) during the academic year 2015-16, until and unless the continuation of provisional affiliation is obtained from the University.


The Provisional Affiliation is granted without prejudice to the right of the University of requiring production of certificate required under Section 37-B of TAMILNADU Reforms (LC) Act 1961 subject

to the decision of the Hon`ble High Court of Madras in W.A. No. 3454 / 2002 batch and W.A. No. 3482 / 2002 batch.

The Chairman should submit an undertaking duly signed on a Rs.100/- non-judicial stamp paper to **The Registrar, Anna University, Chennai 600 025**, within 15 days from the date of receipt of this letter stating that the conditions specified above be fulfilled and The Chairman is aware of the fact that the University may conduct surprise inspections to verify the fulfillment of requirements as per the norms and standards of Anna University for the continuation of affiliation.



Yours sincerely,


REGISTRAR
23/06 **REGISTRAR**
ANNA UNIVERSITY
CHENNAI-600 025

Copy to:

1. The Commissioner of Technical Education, DOTE campus, Chennai - 600 025.
2. The Regional Officer, Southern Regional Office, AICTE, 26, Haddows Road, Shastri Bhawan, Chennai 600 006.
3. The Controller of Examinations, Anna University, Chennai - 600 025.
4. The Director, Student Affairs, Anna University, Chennai - 600 025.
5. Master file.



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

*The Executive Committee of the
National Assessment and Accreditation Council
on the recommendation of the duly appointed
Peer Team is pleased to declare the
Bannari Amman Institute of Technology
Sathyamangalam, Dist. Erode, affiliated to Anna University, Tamil Nadu as
Accredited
with CGPA of 3.11 on four point scale
at A grade
valid up to June 14, 2014*

Date : June 15, 2009



HARUN
Director

Self-Study Report (Cycle II)

Volume - II

Evaluative Report of the Departments

Submitted for Re-accreditation



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission
P. O. Box. No. 1075, Nagarbhavi, Bangalore - 560 072

Revised Copy



Evaluation Report No.	Evaluative Report of the Departments	Page No.
1	Computer Science and Engineering	1
2	Electrical and Electronics Engineering	16
3	Electronics and Communication Engineering	29
4	Electronics and Instrumentation Engineering	51
5	Mechanical Engineering	66
6	Mechatronics	121
7	Aeronautical Engineering	133
8	Civil Engineering	146
9	Information Technology	169
10	Textile Technology	183
11	Fashion Technology	212
12	Biotechnology	240
13	Master of Computer Applications	270
14	School of Management Studies	282
15	Humanities and Science	293

Evaluative Report of the Department

1. Name of the Department & its year of establishment: Computer Science and Engineering & Year of establishment: 1996.
2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
 UG : B.E. Computer Science and Engineering
 PG : M.E. Computer Science and Engineering
 Ph.D : Computer Science and Engineering
3. Interdisciplinary courses and departments involved :

S. No	Interdisciplinary courses offered	Name of the department involved
1.	11Z020 - Artificial Intelligence	Electrical and Electronics Engineering Aeronautical Engineering
2.	11Z017 - E-Commerce	Information Technology
3.	11Z021 - Data warehousing and Data mining	
4.	11Z014 - Management Information Systems	
5.	11Z013 - Free and Open Source Software	
6.	11Z019 - Soft Computing	Electronics and Communication Engineering
7.	11Z603 - Digital Image Processing	
8.	11Z004 - Embedded Systems	
9.	11Z022 - Probability and Queuing Theory	Mathematics
10.	11Z401 - Discrete Mathematics	

4. Annual/ semester/choice based credit system: Semester system with choice based credit system.
5. Participation of the department in the courses offered by other departments

S. No	Name of the department involved	Courses offered
1.	Electrical and Electronics Engineering	C Programming
2.		Data Structures
3.		Object Oriented Programming
4.	Electronics and Communication Engineering	Computer Networks
		C Programming
		Data Structures

5.	Biotechnology	Fundamentals of Computer Programming
	Textile Technology	
6.	Aeronautical Engineering	C Programming
7.	Civil Engineering	
8.	Electronics and Communication Engineering	
9.	Electronics and Instrumentation Engineering	
10.	Mechanical Engineering	
11.	Fashion Technology	
12.	Mechatronics Engineering	

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

Teaching Posts	Sanctioned		Filled	
	UG	PG	UG	PG
Professors	3	0	2	0
Associate Professors	6	0	4	0
Asst. Professors	23	4	28	4
Total	36		38	

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

S. No.	Name of faculty member	Design.	Qualification	Corresponding specialization	No. of Years of Experience	No. of Ph.D. Students guided for last 4 years
1.	Dr.P.Thangaraj	Prof. & HOD	Ph.D.	Soft computing	29	42
2.	Dr.K.Premalatha	Professor	Ph.D.	Computer Science and Engineering	22	11
3.	Mr. P.Sampath*	Associate Professor	M.E.	Computer Science and Engineering	15	-
4.	Mrs. S. Logeswari*	Associate Professor	M.E.	Computer Science and Engineering	16	-
5.	Mrs.D.Sasikala*	Associate Professor	M.E.	Computer Science and Engineering	13	-

S. No.	Name of faculty member	Design.	Qualification	Corresponding specialization	No. of Years of Experience	No. of Ph.D. Students guided for last 4 years
6.	Dr.D.Sasikala	Associate Professor	Ph.D.	Computer Science and Engineering	14	-
7.	Dr.N.M.Saravanakumar	Assistant Professor (Sl. G)	Ph.D.	Computer Science and Engineering	12	-
8.	Mr.M.Krishnamoorthi*	Assistant Professor (Sr.Gr.)	M. E.	Computer Science and Engineering	10	-
9.	Dr.J.Vijay Franklin	Assistant Professor (Sr.Gr.)	Ph.D.	Computer Science and Engineering	9	-
10.	Dr.G.Komarasamy	Assistant professor (Sr.Gr.)	Ph.D.	Computer Science and Engineering	8	-
11.	Mr.C.Ramesh*	Assistant Professor (Sr.Gr.)	M.E.	Computer Science and Engineering	8	-
12.	Dr.B.Gomathy	Assistant Professor (Sr.Gr.)	Ph.D.	Computer Science and Engineering	11	-
13.	Mrs.R.Gomathi*	Assistant Profess (Sr.Gr.)	M.E.	Computer Science and Engineering	11	-
14.	Mr.S.Sountharajan*	Assistant Professor (Sr.Gr.)	M.E.	Information Technology	9	-
15.	Mr.T.Kumaresan*	Assistant Professor (Sr.Gr.)	M.E.	Computer Science and Engineering	6	-
16.	Mr.N.Sadhasivam*	Assistant Professor (Sr.Gr.)	M.E.	Computer Science and Engineering	6	-
17.	Mr.M.Pandi*	Assistant Professor (Sr.Gr.)	M.E	Software Engineering	7	-

S. No.	Name of faculty member	Design.	Qualification	Corresponding specialization	No. of Years of Experience	No. of Ph.D. Students guided for last 4 years
18.	Mr.N.B.Mahesh Kumar*	Assistant Professor (Sr.Gr.)	M.E.	Computer Science and Engineering	8	-
19.	Mrs. M.Alamelu	Assistant Professor (Sr.Gr.)	M.E.	Computer Science and Engineering	11	-
20.	Mr.K.Sathis Kumar	Assistant Professor	M.E.	Computer Science and Engineering	3	-
21.	Mrs.K.V.Kiruthikaa	Assistant Professor	M.E.	Computer Science and Engineering	3	-
22.	Mrs.G.G.Girija Vasumathi	Assistant Professor	M.E.	Computer Science and Engineering	3	-
23.	Mrs.T.Nagamani	Assistant Professor	M.E.	Computer Science and Engineering	8	-
24.	Ms. M. Rubha Shree	Assistant Professor	M.E.	Computer Science and Engineering	3	-
25.	Mrs. M.Sivaranjani	Assistant Professor	M.E.	Computer Science and Engineering	1	-
26.	Ms. R. Ramya	Assistant Professor	M.E.	Computer Science and Engineering	1	-
27.	Ms. D. Swathiga Vaishnave	Assistant Professor	M.Tech	Information security	1	-
28.	Ms .S. Surya	Assistant Professor	M.E.	Computer Science and Engineering	1	-
29.	Mrs.T.Kanimozhi	Assistant Professor	M.E.	Computer Science and Engineering	1	-

S. No.	Name of faculty member	Design.	Qualification	Corresponding specialization	No. of Years of Experience	No. of Ph.D. Students guided for last 4 years
30.	Ms S. S. Nandhini	Assistant Professor	M.E.	Computer Science and Engineering	1	-
31.	Mr.A. Vigneshkumar	Assistant Professor	M.E.	Computer Science and Engineering	1	-
32.	Mr.P.S. Dinesh	Assistant Professor	M.E.	Computer Science and Engineering	-	-
33.	Mrs.K.Tamilselvi	Assistant Professor	M.E.	Computer Science and Engineering	-	-
34.	Mr.P. Parthiban	Assistant Professor	M.E.	Computer Science and Engineering	-	-
35.	Ms.G.R.Aruna	Assistant Professor	M.E.	Computer Science and Engineering	-	-
36.	Ms.R.Ramya	Assistant Professor	M.E.	Computer Science and Engineering	-	-
37.	Mr.V.Balamurugan	Assistant Professor	M.E.	Computer Science and Engineering	-	-
38.	Ms.R.Pavithra	Assistant Professor	M.E.	Computer Science and Engineering	-	-

* Pursuing Ph.D

8. Percentage of classes taken by temporary faculty - programme-wise information : Nil

9. Programme-wise Student Teacher Ratio

S.No.	Programme	Student -Teacher ratio
1.	UG	15:1
2.	PG	12:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled

S.No.	Staff category	Sanctioned	Filled
1.	Academic support staff	13	13
2.	Administrative Staff	2	2

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

Number of Faculty involved	:	03 (National funding agencies)
a) National Agencies	:	AICTE, DST, DRDO and DBT
b) International Agencies	:	Nil
c) Total Grants Received	:	Rs. 133.56 Lakhs

S.No.	Title of Projects	Faculty	Funding Agency	Grants (Rs in Lakhs)
1.	Compilation and Skill Requirement Analysis for IT Professionals	Dr.P.Thangaraj & Mr.C.Ramesh	DST, New Delhi	13.63
2.	Center for industrial Automation and Data Analysis (CIADA)	Dr.P.Thangaraj	AICTE, New Delhi	100.00
3.	Creation of Interactive and Brainstorming Math Portal	Dr.P.Thangaraj	DST, New Delhi	9.27
4.	CLUGENE: A Clustering Tool for Gene Expression Data	Dr.K.Premalatha	DBT, New Delhi	10.66

d) Completed Projects : Rs. 26.00 Lakhs

S.No.	Title of Projects	Faculty	Funding Agency	Grants (Rs in Lakhs)
1.	Utility Based Cloud Mining in Social Application	Dr.P.Thangaraj	AICTE, New Delhi	6.00
2.	Hand Vein Pattern Recognition: Global Security Intelligence	Dr.K.Premalatha	DRDO, New Delhi	13.50
3.	Establishment of Cloud Computing Lab(MODROB)	Dr.P.Thangaraj	AICTE, New Delhi	6.50

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received: Total Grants Received : Rs 12.05 Lakhs

S.No.	Project title	Project Duration	Funding Agency	Grants (Rs in Lakhs)
1.	Modernization of Mobile & Pervasive Computing Laboratory (MODROB)	1 Year	AICTE, New Delhi	8.00
2.	Training of Women in Desktop publishing package and accounting software tally	1 Year	DSIR, New Delhi	4.05

13. Research facility / centre with

- State recognition: Research Center approved by Anna University, Chennai.

14. Publications:

- * Number of papers published in peer reviewed journals:
 - National : 94
 - International : 200
- * Number of papers published in conferences:
 - National : 175
 - International : 139
- * Monographs : Nil
- * Impact factor – range / average :
 - Citation Index : Min: 1 Max: 378
 - h-index : Min: 1 Max: 11

15. Details of patents and income generated :

Patents filed : 02
Income generated : Nil

16. Areas of consultancy and income generated :

Areas of consultancy

- Office automation
- Website development

Income generated : Nil

17. Faculty recharging strategies

- External experts are invited to give lectures in research oriented, industry oriented and societal oriented problems and on topics related to emerging areas to motivate the faculty.
- Training based on Bloom's Taxonomy on teaching.
- Faculty members are deputed to
 - a) Attend Workshop/ Seminar/ FDP/Webinar/ National & International Conferences
 - b) Participate in Industry Orientation Programmes
 - c) Industrial Visits

18. Student projects

- o Percentage of students who have done in-house projects including inter-departmental projects and percentage of students doing projects in collaboration with industries / institutes

S.No	Name of the Program	In house and Interdepartmental	Collaboration with Industries / Institutes
1.	UG	90%	10%
2.	PG	94%	6%

19. Awards / recognitions received at the national and international level by

- ✓ Faculty : 1 (Awards)
 - ✓ Dr. P. Thangaraj got ICTACT Innovator Award 2013 – conducted by ICT Academy of Tamil Nadu (ICTACT)

✓ Students: 5 (Awards)

- ✓ Mr. K. Senthilkumar received cash award (Rs.15,000/-) for the project on Domestic windmill power generation in 2011 from IIT, Bombay.
- ✓ Mr. Ram kumar received cash award (Rs.2000/-) for the paper presented on AGROBOT conducted by CTS in 2011.
- ✓ Mr. S. Surendranath, Mr. T.Yokesh and Mr. A. Dinesh received ICTACT Innovator Award for the project on Accident prevention system using sensors in 2013.
- ✓ Mr.M.Nirvin, Ms.L.U.Priyalakshmi and Mr.K.Selva kumar received cash award (Rs.14000/-) for CIO Challenge 2012 from CTS, Chennai.
- ✓ Ms. S. Gokulpriya and Ms. T. Indhuja received cash award (Rs.25000/-) for project on Application of hand vein for bank locker security and template protection using fuzzy vault 2013 from Motorola, Chennai.

20. Seminars/Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Total number of events: 25

S.No	Name of the Event	Duration	Source of funding	Amount Sanctioned (Rs.)	Participants
1.	National Conference on Innovations in Information Technology	24.02.2011 to 25.02.2011	DRDO, New Delhi	30000/-	80
2.	National Seminar on Applications of Soft Computing in Medical Image Processing	04.03.2011 to 05.03.2011	ICMR, New Delhi	25000/-	36
3.	National workshop on Intelligent Mining for Bio Medicine	11.03.2011 to 12.03.2011	ICMR, New Delhi	25000/-	30
4.	National Workshop on 4G Networks for the new era: Wi Max & LTE	17.03.2011 to 18.03.2011	DRDO, New Delhi	35000/-	120
5.	National Workshop on Security Intelligence for Global Applications	27.05.2011 to 28.05.2011	CSIR, New Delhi	30000/-	30
6.	National Conference on Recent Trends in Ubiquitous Computing & Communication Technology	17.09.11	DRDO, New Delhi	30000/-	120
7.	National Level Symposium and Project Design Contest on FUTURA 2011	04.09.11 to 06.09.11	TNSCST, Chennai	25000/-	Models Displayed
8.	National Conference on Innovations in Information Technology	24.02.2012 to 25.02.2012	DRDO, New Delhi	25000/-	200

S.No	Name of the Event	Duration	Source of funding	Amount Sanctioned (Rs.)	Participants
9.	National Seminar on Smart Antennas in Fourth Generation Wireless Systems: Research Trends and Issues	20.01.12 to 21.01.12	CSIR, New Delhi	25000/-	90
10.	National Seminar on Applied Computational Intelligence in Biometrics	13.01.12 to 14.01.12	BRNS, New Delhi	50000/-	73
11.	National Seminar on Technical writing using LaTeX	07.01.12	BIT, Sathy	20,000/-	30
12.	National Seminar on Cancer Classification using Micro Array Gene Expression Data	20.07.12 to 21.07.12	ICMR, New Delhi	25000/-	50
13.	National Workshop on Recent Trends in Multimodal Biometric System	26.07.12 to 27.07.12	CSIR, New Delhi	30000/-	40
14.	National seminar on Knowledge Discovery in Microarray Gene Expression Data	19.10.2012 to 20.10.2012	DBT, New Delhi	50000/-	40
15.	National seminar on Recent research Application of support vector machines	28.12.2012 to 29.12.2012	DRDO, New Delhi	35000/-	60
16.	National Conference on Innovations in Information Technology	21.02.13 to 22.02.13	DRDO, New Delhi	35000/-	230
17.	Workshop on iOS Mobile Application Development FUTURA 2013	2.9.2013 to 3.9.2013	BIT, Sathy	25000/-	110
18.	National Network Security Championship Workshop	19.10.13 to 21.10.13	BIT, Sathy	20000/-	94
19.	Workshop on iOS Mobile Application Development	8.2.2014	BIT, Sathy	25000/-	102
20.	Workshop on Ethical Hacking and Information Security	27.2.2014 to 28.2.2014	BIT, Sathy	71400/-	150
21.	Workshop on Hadoop Hands on Training on Cloud Computing	01.03.2014	BIT, Sathy	21000/-	58
22.	National Conference on Innovations in Information Technology	27.02.14 to 28.02.14	BIT, Sathy	46000/-	180

S.No	Name of the Event	Duration	Source of funding	Amount Sanctioned (Rs.)	Participants
23.	Workshop on Open Stack Cloud Computing	22.8.2014 to 23.8.2014	BIT, Sathy	2000/-	20
24.	Workshop on Live Coding FUTURA 2014	6.10.2014 to 8.10.2014	BIT, Sathy	57000/-	140
25.	Workshop on Big Data Analytics and Hadoop Tools	17.10.2014 to 18.10.2014	BIT, Sathy	30800/-	60

21. Student profile course-wise:

Name of the Course (Refer question no. 2)		Application received	Selected		Pass percentage	
			Male	Female	Male	Female
UG B.E. CSE	2006-2010	100	48	52	100	100
	2007-2011	116	56	60	96	100
	2008-2012	111	44	67	100	97
	2009-2013	152	71	81	100	100
PG M.E. CSE	2008-2010	14	5	9	100	100
	2009-2011	18	7	11	100	100
	2010-2012	18	2	16	100	100
	2011-2013	18	5	13	100	100

22. Diversity of Students

Name of the Course (refer question no. 2)	% of students from the college	% of students from the state	% of students from other States	% of students from other countries
B.E (CSE)	-	99%	1%	-
M.E (CSE)	16.67%	95.8%	4.16%	-

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

S. No	Name of the Exam	Count of students cleared
1.	GATE	10
2.	GRE	7
3.	TOEFL	2
4.	MAT	4
5.	TANCET	20

24. Student progression

Student Progression	Percentage Against Enrolled			
	2009-2010	2010-2011	2011-2012	2012-2013
UG to PG	11.5%	2.29%	9.56%	16.79%
PG to M.Phil.	-	-	-	-
PG to Ph.D.	-	-	-	-
Ph.D to Post- Doctoral	-	-	-	-
Employed	74%	95%	87.4%	95%
I. Campus Selection				
II. Other than Campus recruitment	-	3%	9.6%	3%
Entrepreneurs	1.5%	0.8%	1.5%	1.5%

25. Diversity of staff

Percentage of faculty who are graduates	
Of same parent university (Anna university)	92.10
From other universities within the state	7.90
From other universities from other state	-

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: **5 faculty members are awarded Ph.D.**

S No.	Faculty name	Year of completion	University
1.	Mrs.D.Sasikala	2012	Anna university- Chennai
2.	Mr.N.M.Saravana Kumar	2013	Anna university- Chennai
3.	Mr.J.Vijay Franklin	2014	Anna university- Chennai
4.	Mrs.B.Gomathi	2014	Anna university- Chennai
5.	Mr.G.Komarasamy	2014	Anna university- Chennai

27. Present details about infrastructural facilities

- a) Department Library : 1350 books
Journals : 38 (National: 30 and International: 8)
- b) Online journal (AICTE approved) : 6000+
- c) Internet facilities for staff and students : 100Mbps (Sharing)
- d) Total number of class rooms : 14
- e) Class rooms with ICT facility : 14
- f) Students laboratories : 6
- g) Research laboratories : 4

28. Number of students of the department getting financial assistance from College.

- Friend of Friendless Scholarships: 55
- Admission Scholarship : 72

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. Yes

- Referring to programmes offered by MIT (USA), Stanford University and interaction with faculty of IITs and research centers like DRDO.
- Feedback obtained from Industry experts and alumni.

Methodology: These suggestions are considered in Board of Studies and recommendations are placed before the academic council for approval with or without modifications for implementation.

30. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

- Yes - Feedback is obtained from faculty on the curriculum as well as the teaching-learning-evaluation. Feedbacks are compiled and taken for discussion in Board of Studies. These suggestions are forwarded to academic council for approval with or without modifications for implementation.

b) Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

- Yes
- Students' feedback on staff members and teaching-learning-evaluation are obtained thrice in a semester at regular intervals for each subject. These will be discussed in the department meetings and necessary corrective actions are taken for improvements if needed.
- Student's feedback on curriculum is obtained and discussed in the Board of Studies and forwarded to academic council for approval with or without modifications.

c) Alumni and employers on the programmes and what is the response of the department to the same?

- Yes.
- Alumni and employers feedback on the curriculum and syllabus are considered and presented to board of studies and forwarded to academic council for approval.

31. List the distinguished alumni of the department (maximum 10)

S.No	Name of the Alumni	Batch	Current Position	Contact Details
1.	Mr. K.C.Devasenapathi IAS	B.E. 2002	Collector & District Magistrate	DakshinBastar, Dantewada, chattisgarh
2.	Mr. Sankar K.Subramaniam	B.E. 2004	Senior Java developer	Pearson Plc, Amdocs Ltd, London.
3.	Mr. Anandh Kumar Ponnusamy	B.E. 2004	Sr. Consultant	Oracle India, Bangalore.
4.	Mr. Sekar Thangavel	B.E. 2005	Team Leader	IBM, Bangalore
5.	Mr. G. Dinesh kumar	B.E 2007	Program Analyst	Wipro Technologies, Chennai.

S.No	Name of the Alumni	Batch	Current Position	Contact Details
6.	Ms. B.Abinaya Nishanthini	B.E. 2008	Probationer, Indian Defence Accounts Service	CENTRAD-CGDA Brar Square Delhi Cantonment
7.	Mr. M.Vijayamuthu	B.E. 2008	Scientist C-ADA-DRDO	DRDO, Bangalore
8.	Mr. S.K.Dhinesh Kumar	M.E. 2011	Technical Head	Lantrasoft, Coimbatore -18.
9.	Mr. A.V.Karthick	B.E. 2011	Senior Software Engineer	Robert Bosch Engineering and Business Solutions Limited , Coimbatore.
10.	Ms. D.Dhivya	B.E. 2012	Software Engineer	Payoda Technologies, Coimbatore -14

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts. Total number of Events: 91
- Leader of the Week : 16
- Seminars : 56
- Workshop : 19
33. List the teaching methods adopted by the faculty for different programmes.
- Creative Learning Methodology
 - Layer – learning / learning by doing
 - Seminar and Webinars
 - Guest Lectures
 - Mini Projects
 - In addition industrial visits, in-plant training, visits to technical exhibitions and participations in quiz programme are regularly arranged.
34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?
- a. Three periodical exams are conducted prior to the end semester examination to continuously monitor the learning depth of students.
 - b. Mini projects are made mandatory to check and analyze the application knowledge of students.
 - c. Mock interviews and group discussions are organized for the pre-final year and final year students to measure their performance.
 - d. Performance indicators of students are defined and reviewed constantly after each periodical test. Remedial action taken accordingly.
 - e. As per ISO 9001 periodic auditing by internal and external audit teams is done twice a year. The report is considered by the department and suitable action is taken to set right deficiencies if any.

35. Highlight the participation of students and faculty in extension activities.
- Students
- Through NSS – training imparted to school students on computer proficiency.
 - Industrial visits are arranged for students to learn industrial practices.
- Faculty:
- Training on Desktop publishing package and accounting software-tally for rural women.
 - Training on Advanced programming Languages for school teachers.
36. Give details of “beyond syllabus scholarly activities” of the department.
- Self study Electives
 - One credit courses
 - Mini projects to inculcate industry orientation
 - Identify contemporary problems during Industrial visits
 - Value added course
 - Soft skill training
 - Participation in Workshops, Seminars & Conferences and presentation of papers
 - Guest Lectures by Academicians & Experts from industries / computer organizations
 - Industrial visits/In-plant training/Internship for students are arranged for faculty to learn contemporary industrial practices in order to identify small problems for consultancy and big problems for sponsored projects.
 - Participation in technical paper presentation & Project Contest
37. State whether the programme/ department is accredited/ graded by other agencies. Give details.
- B.E. Computer Science and Engineering is accredited for 5 years by NBA with effect from 16 December 2011.
- Ref: File No. 33-30/2010/NBA dated 16.12.2011

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strength	Weakness	Opportunities	Challenges
<ul style="list-style-type: none"> • ICT enabled class rooms • Faculty with PhD Qualification: 7, Pursuing PhDs : 11 • Funded Projects & Publications • MoUs with Intel, CISCO and CA Technologies • Frequent seminars, conferences & workshops 	<ul style="list-style-type: none"> • Students show lack of interest in Competitive Examinations • Collaboration with foreign Universities and research institutes • Lack of Book Publications • Hesitation of students to become Entrepreneurs 	<ul style="list-style-type: none"> • Students' project internship in industries and research laboratories • Opportunities for faculty and students to engage in professional consultancy services • Opportunities exist to collaborate with reputed organizations like IBM, CSC, ICTACT, ACME and Spime technologies to bridge the Institution-Industry gap • Online resources like NPTEL, Webinars 	<ul style="list-style-type: none"> • Getting experienced faculty members • Competition from affiliated Colleges • Multiple requirements by recruiting bodies • Support from professional chapters • Placing students in Fortune 500 companies

39. Future plans of the department.

- Introduction and Development of Visualization techniques for STEM subjects to improve effectiveness in teaching and learning process. It will also be useful in bridging the gap between knowledge and application.
- Establish “Interdisciplinary Research Centre/Park” to create a platform for the faculty to meet the entrepreneurs.

Evaluative Report of the Department

- Name of the Department & its year of establishment:** Electrical and Electronics Engineering
Year of Establishment: 1996

- Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

Sl. No.	Programme offered	Name of the Programme
1.	UG	B.E - Electrical and Electronics Engineering
2.	PG	M.E - Power Electronics and Drives
3.	Ph.D.	Electrical Engineering

- Interdisciplinary courses and departments involved**

Sl.No	Name of the Course	Department
1.	"C" Programming	Computer Science Engineering
2.	Object Oriented Programming	
3.	Data Structures	
4.	Engineering Graphics	Mechanical Engineering
5.	Basics of Civil and Mechanical Engineering	Civil Engineering & Mechanical Engineering
6.	Applied Thermodynamics	Mechanical Engineering

- Annual/ semester/choice based credit system** - Semester system with Choice based credit system

- Participation of the department in the courses offered by other departments** - Yes

Sl.No	Name of the department	Courses offered to other department
1.	Aeronautical Engineering	Basics of Electrical and Electronics Engineering
2.	Automobile Engineering	
3.	Civil Engineering	
4.	Computer science Engineering	
5.	Information Technology	
6.	Fashion Technology	
7.	Textile Technology	
8.	Biotechnology	
9.	Mechanical Engineering	1. Basics of Electrical and Electronics Engineering 2. Electrical Machines and Drives

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

Position	Sanctioned		Filled	
	UG	PG	UG	PG
Professors	2	-	3	1
Associate Professors	5	-	4	-
Assistant Professors	17	3	23	2
Total	24	3	30	3

7. Faculty profile with name, qualification, designation, specialization.

Sl. No.	Name of the faculty member	Designation	Qualification	Corresponding specialization	Years of Experience	No of Ph.D students guided in the last 4 years
1.	Dr.N.Rengarajan	Professor and Principal	Ph.D.	Power Systems	29 Years	11 guiding 2 guided
2.	Dr.R. Senthil Kumar	Professor and HOD	Ph. D	Power Systems	21 Years	---
3.	Dr.A.Jeevanandham	Professor	PDF Ph.D.	Power Systems	18 Years 3 Months	3 Guiding
4.	Dr.R.Bharani Kumar	Professor	Ph.D	Power Electronics and Drives	15 Years 9 Months	5 Guiding
5.	Mrs. V. Evelyn Brindha	Associate Professor	M.E	Applied Electronics	13 Years	---
6.	Dr.V.Balamurugan	Associate Professor	Ph.D	Applied Electronics	13 Years	---
7.	Dr.V.Kamatchi kannan	Associate Professor	Ph.D	Power Electronics and Drives	10 years	---
8.	Mr.M.Srinivasan*	Associate Professor	M.E	Power Electronics and Drives	8 Years	---
9.	Mr.B.Vinoth Kumar*	Assistant Prof (Sr.G)	M.E	Applied Electronics	8 Years	---
10.	Dr.P.Sivaraman	Assistant Prof (Sr.G)	Ph.D	High Voltage Engineering	9 Years	---
11.	Mrs.K.Rajalashmi*	Assistant Prof (Sr.G)	M.E	Applied Electronics	8 Years	---
12.	Mr.S.Veerakumar*	Assistant Prof (Sr.G)	M.Tech	Power Electronics and Drives	7 Years	---
13.	Mrs.K.Chitra*	Assistant Prof (Sr.G)	M.E	Power Electronics and Drives	11 Years	---

Sl. No.	Name of the faculty member	Designation	Qualification	Corresponding specialization	Years of Experience	No of Ph.D students guided in the last 4 years
14.	Mr.P.Karuppusamy*	Assistant Prof (Sr.G)	M.E	Power Electronics and Drives	6 Years	---
15.	Mr.P.Prem*	Assistant Prof (Sr.G)	M.E	Power Systems	5 Years	---
16.	Mr.K.Senthilnathan	Assistant Professor	M.E	Power Electronics and Drives	5 Years	---
17.	Mr.N.Shankar	Assistant Professor	M.E	Power Electronics and Drives	5Years	---
18.	Mrs.G.E. Kanyakumari	Assistant Professor	M.E	Applied Electronics	4 Years	---
19.	Mrs.K.T.Maheswari*	Assistant Professor	M.E	Power Electronics and Drives	3 Years	---
20.	Mr.P.Selvabharathi	Assistant Professor	M.E	Power Electronics and Drives	3Years	---
21.	Mr.A.Nandhakumar	Assistant Professor	M.E	Power Electronics and Drives	3Years	---
22.	Mr.S.Manivannan	Assistant Professor	M.E	Power Electronics and Drives	3Years	---
23.	Mrs.P.Sritha	Assistant Professor	M.E	VLSI Design	2 Years	---
24.	Mr.R.Ashok Kumar	Assistant Professor	M.E	Power Electronics and Drives	2 Years	---
25.	Mr.S.Elangovan	Assistant Professor	M.E	Applied Electronics	3 Years	---
26.	Mr.K.Senthil Raja	Assistant Professor	M.E	Power Electronics and Drives	3 Years	---
27.	Mr.A.Matheswaran*	Assistant Professor	M.E	Power Electronics and Drives	3 Years	---
28.	Mr.V.Suresh	Assistant Professor	M.E	Power Electronics and Drives	2 Years	---
29.	Ms.S.Bhuvaneshwari	Assistant Professor	M.E	Electrical Machines	3 Years	---
30.	Ms.V.Mohanapriya	Assistant Professor	M.E	Power Electronics and Drives	2 Years	---
31.	Mr.S.Sundar	Assistant Professor	M.E	Power Electronics and Drives	9 Months	---
32.	Mr.M.Lakshmanan*	Assistant Professor	M.Tech	Control and Instrumentation	3 years	---
33.	Mrs.M.Vidhya	Assistant Professor	M.E	Power Electronics and Drives	1 year	---

*- pursuing Ph.D

8. **Percentage of classes taken by temporary faculty-programme-wise information:** Nil

9. **Programme-wise Student Teacher Ratio**

Sl.No	Programme	Student Teacher Ratio
1.	B.E Electrical and Electronics Engineering	12:1
2.	M.E Power Electronics and Drives	12:1

10. **Number of academic support staff (technical) and administrative staff: sanctioned and filled**

Sl.No	Staff Category	Sanctioned	Filled
1.	Academic Supporting staff	13	13
2.	Administrative staff	2	2

11. **Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise:**

a) **National Funding Agencies: On-Going projects – 1 member**

Sl.No	Name of the faculty	Title of the project	Funding Agency	Grant Sanctioned (Rs in Lakhs)
1.	Dr.R.Bharanikumar	An Optimal design of axial flux permanent magnet generator for low speed direct wind turbine application.	MNRE, New Delhi	23.00

National Funding Agencies: Completed projects

Sl.No	Name of the faculty	Title of the project	Funding Agency	Grant Sanctioned (Rs in Lakhs)
1.	Dr.A.Nirmalkumar Dr.Madhumohan	A Detailed Investigation on a New Class of Archival Liquid Crystals	AICTE, New Delhi	20.00
2.	Dr.A.Nirmalkumar Dr.K.Paramasivam	Low Power Testing of VLSI Circuits	AICTE, New Delhi	7.65
3.	Mr.V.Kumar Chinnaiyan	Design and Analysis of Low Cost DSP Based Multilevel Inverter for Industrial Applications	SERC Division DST, Govt. of India, New Delhi	7.5

b) **International Funding Agencies:** Nil

c) **Total Grant Received : Rs 23.00 Lakhs (On-Going)**

Total grant received : Rs 35.15 Lakhs (Completed)

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received: Nil

13. Research facility / centre with

- Recognized Research Centre for M.S./Ph.D. Anna University, Chennai.

14. Publications:

- Number of papers published in peer reviewed journals:
 - National : 05
 - International : 23
- Number of papers published in conferences:
 - National : 80
 - International : 39
- Monographs : 01
- Chapter(s) in Books - Nil
- Editing Books - Nil
- Books with ISBN numbers with details of publishers - Nil
- Number listed in International Database - Nil
- Citation Index - range / average
 - Impact factor - range / average :
 - Citation Index : Min: 21 Max: 100

15. Details of patents and income generated : Nil

16. Areas of consultancy and income generated

Sl.No	Area	Income Generated (Rs)
1.	Energy Audit	30,000/-
2.	Power Quality Studies	40,000/-
3.	Power Management	40,000/-
Total		1,10,000/-

17. Faculty recharging strategies

- Conduct of Faculty Development Programs in the emerging Areas of Electrical and Electronics.
- Deputation of faculty members to Faculty Development Programs organized by premier Institutions and external agencies.
- Faculty interaction with Experts from Industry and Academia.
- External experts are invited to conduct refresher courses to the faculty members on emerging areas like intelligent controllers, real time embedded systems, VFD, Renewable energy systems, and design of Power systems.

18. Student projects

- Percentage of students who have done in-house projects

- including inter-departmental – 65%.
- o Percentage of students doing projects in collaboration with industries / institutes – 35%.

19. Awards/ recognitions received at the national and international level by

- o Faculty : Nil
- o Post-doctoral fellows : Nil
- o Students : Nil

Dr.A.Jeevanandham, Professor in EEE was awarded “Postdoctoral Fellow” in the field of “Power System Analysis in Distributed Generation Systems with high Solar penetration “from Autonomous Control Engineering Lab, Department of Electrical and Computer Engineering, The University of Texas, Texas, USA from August 2012 to January 2013.

20. Seminars/ Conferences/Workshops organized and the source of funding (national/ International) with details of outstanding participants, if any.

Sl.No	Name of the Event	Funding Agency	Faculty organized	No of Participants
1.	National Workshop on Energy Efficient Solar/Green Buildings Initiatives	Ministry of New and Renewable Energy, New Delhi	Dr.P.Sivaraman	33
2.	Workshop on Signals and Systems	Ministry of Human Resource Development, New Delhi	Dr.S.U.Prabha Mr.N.Shankar	44
3.	National Conference on “Cutting Edge Technologies on Power Conversion and Industrial Drives”	Council of Scientific & Industrial Research IEEE Madras Section	Dr.A.Jeevanandham Mr.M.Srinivasan	110
4.	Faculty Development programme on “Solid state drives”	Anna University Chennai	Dr.R.Bharanikumar Mrs.A.C..Yazhini Mr.N.Shankar	22
5.	National Conference on “Cutting Edge Technologies on Power Conversion and Industrial Drives”	Council of Scientific & Industrial Research IEEE Madras Section	Dr.A.Jeevanandham Mr.S.Gurunagappan Ms.M.Prabhamaheswari	85
Sl. No	Name of the Event	Funding Agency	Faculty organized	No of Participants

6.	FDP on Power Electronics	Anna University Chennai	Dr.A.Jeevanandham Mrs.K.Chitra	30
7.	FDP on Power Quality	Anna University Chennai	Dr.R.Bharanikumar Mrs.A.C..Yazhini Mr.M.Lakshmanan	25
8.	Energy Audit - Practical Exposure	Self Supporting	Dr.A.Jeevanandham	126
9.	IEEE- STAC	IEEE Madras Section	Dr.A.Jeevanandham Mr.E.Kannapiran	460
10.	IEEE- SPAVE	IEEE Madras Section	Dr.G.Guruswamy Dr.A.Jeevanandham Mr.E.Kannapiran	270
11.	ISTE workshop on “Analog Electronics”	Ministry of Human Resource Development, New Delhi	Dr.S.U.Prabha Mr.B.Vinothkumar	27
12.	Eighth National Conference on “Cutting Edge Technologies on Power Conversion and Industrial Drives”	Self Supporting	Dr.S.U.Prabha Mr.K.Senthilnathan Ms.A.C.Yazhini	123
13.	ISTE Workshop on Introduction on Research Methodologies under the National Mission on Education through ICT	Ministry of Human Resource Development, New Delhi	Mr.P.Prem	37
14.	Applications of Soft Computing Techniques to Electrical Engineering	Self Supporting	Dr.A.Jeevanandham	36
15.	Ninth National Conference on “Cutting Edge Technologies on Power Conversion and Industrial Drives”	Self Supporting	Dr.S.U.Prabha Mr.P.Selvabharathi Mr.A.Nandhakumar	145

21. Student profile course-wise:

Name of the Course	Applications	Selected		Pass percentage	
		Male	Female	Male	Female

	received				
B.E EEE (2007-2011)	131	81	50	100%	100%
B.E EEE (2008-2012)	141	90	51	97.77%	100%
B.E EEE (2009-2013)	128	70	58	100%	100%
B.E EEE (2010-2014)	141	102	39	99%	100%
M.E PED(2009-2011)	18	9	9	100%	100%
M.E PED(2010-2012)	18	9	9	100%	100%
M.E PED (2011-2013)	18	9	9	100%	100%
M.E PED (2012-2014)	18	8	10	100%	100%

22. Diversity of Students:

Name of the Course	% of students from the college	% of students from the state	% of students from other States	% of students from other countries
B.E EEE (2007-2011)	-	99.23%	0.77%	-
B.E EEE (2008-2012)	-	98.58%	1.42%	-
B.E EEE (2009-2013)	-	98.43%	1.56%	-
B.E EEE (2010-2014)	-	-	-	-
M.E PED(2009-2011)	-	88.89%	11.11%	-
M.E PED(2010-2012)	-	94.50%	5.55%	-
M.E PED (2011-2013)	-	94.50%	5.55%	-
M.E PED (2012-2014)	-	83.44%	16.66%	-

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations:

Academic Year	Exam	No of Students
2009-10	GRE	1
	GATE	1
2010-11	CET	3
	GATE	2
2011-12	CET	4
	GATE	2
	GRE	2
	TOFEL	3
2012-13	GRE	4
	TOFEL	5
	CET	15
2013-14	CAT	1
	TOFEL	3
	CET	6

24. Student progression

Student progression		Percentage against enrolled			
year		2014	2013	2012	2011
UG to PG		5%	4.58%	4.07%	2.78%
PG to M.Phil.		-	-	-	-
PG to Ph.D.		-	-	-	-
Ph.D. to Post-Doctoral		-	-	-	-
Employed	Campus Selection	50%	68%	95.93%	52.00%
	Other than Campus selection	42%	23%	-	40.00%
	Entrepreneur	3%	4.42%	-	5.22%

25. Diversity of staff

Percentage of faculty who are graduates	
Of the same parent University	75%
From other Universities within the State	25%
From other Universities from other States	-

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: Ph.D : 4

Sl.No	Name of the Faculty	Degree	Year of Awarded
1.	Mr.A.Jeevanandham	Ph.D.	2010
2.	Mr.R.Bharanikumar	Ph.D.	2012
3.	Mr.R.Senthilkumar	Ph.D.	2013
4.	Mr.P.Sivaraman	Ph.D.	2014

27. Present details about infrastructural facilities

- Department Library: 900 volumes and 6 National and 6 International Journals. (As per Mandatory subscription journals for all engineering institutions conducting UG/PG courses by AICTE and 6000+ ejournals)
- Internet facilities for staff and students
 - 110 desk top PC with Internet connection (100 Mbps) for students and Faculty members.
- Total number of classrooms - 10
- Classrooms with ICT facility - 10
- Students' laboratories-12
- Research laboratories- 02

28. Number of students of the department getting financial assistance from College:

Year	2013-14	2012-13	2011-12	2010-11
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No. of students	9	21	43	69
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29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

- Referring to programmes offered by MIT (USA), Stanford University and interaction with faculty of IITs and research centers like DRDO.
- Feedback obtained from Industry experts and alumni.

Methodology: These suggestions are considered in Board of Studies and recommendations are placed before the academic council for approval with or without modifications for implementation.

30. Does the department obtain feedback from

- a. Faculty on curriculum as well as teaching-learning-evaluation?

If yes, how does the department utilize it

- Yes. Discussed in the department meeting and the suggestions are forwarded to Board of Studies and then to Standing committee meeting. The final recommendations are placed before the Academic council for approval with or without modifications for implementation.

- b. **Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same.**

- **Feedback on Staff:** Online Student feedback on Faculty is obtained after every periodic test as per the ISO format and discussed in departmental meetings and then suitable remedial actions are taken if necessary.
- **Feedback on Curriculum:** Feedback regarding the curriculum is obtained from the students and faculty. The same is presented in BoS meeting and if necessary, modifications are made in the syllabi after following due procedures.
- **Feedback on teaching learning process:** Feedback is obtained from students on teaching-learning and the feedback are discussed in the department meetings and then suitable remedial actions are taken if necessary.

- c. **Alumni and employers on the programmes and what is the response of the department to the same.**

- **Alumni Survey:** The alumni feedback is obtained at the end of graduation and thereafter when alumni visit the institution and online. The suggestions given are included in the agenda of BoS for consideration.
- **Employer Survey:** Feedback is received from the employers through emails and responses are included in the agenda for BoS for consideration.

31. List the distinguished alumni of the department (maximum 10)

S. No	Name	Passed out Year	Company/ Position	Place
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S. No	Name	Passed out Year	Company/ Position	Place
1	Mr.Saravanakumar S	2009	CISCO Systems/ Network Engineer	Flat 303, Mbr Signity, Klv Layout, JP Nagar, Bangalore
2	Ms.Sastha V	2009	India Post/ Asst Post Master	3,1 Street,A.I.T.U.C Colony, Tirupur
3	Mr.Kartik Annamalai P	2010	Jaguar Land Rover Electrical Engineer	Bbey Road, Whitley, Coventry U.K, CV3 4LF
4	Ms.Kirthika R	2010	Senior Programmer	Cognizant Technology Solutions Alangulam, Chennai.
5	Mr.Sri Ram Kumar V	2011	Taj Hotel, Electrical Safety Engineer	B-5 Tanmag Quarters, Hotel Taj Mumbai.
6	Ms.Suganthi S	2011	HCL Tech, Project Manager	J-8,Jawahar,Block-9,Chennai
7	Ms.Karthigha S	2013	Robert bosch Design Engineer	No.09,Type 3 Staff Qtrs, Coimbatore
8	Mr.Madhankumar P	2013	Payoda, Assistant Manager	14\44,Vasantham Nagar Gandhipuram, Chennai 638458
9	Ms.Priyadharsini V.	2013	MPF advisory ltd, Stock Advisor	34,Komarapalayam, MRF, Chennai,
10	Mr.Vibulanandan S	2013	Proscape LLC, Electrical Engineer	Queens Tomb, Dubai

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts

- Special lectures - 48
- Workshops - 16
- Seminar - 40
- Total- 104

33. List the teaching methods adopted by the faculty for different programmes.

- Creative Learning Methodology is followed in theory courses to

- improve reading, listening, presentation and problem solving skills
- Students are trained in Scientific Learning Skills to improve reading, analytical skill, innovative thinking and creativity
- Layer Learning/Learning by doing

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- Program objectives and learning outcomes are constantly accessed through Periodical tests, Assignments, Seminars and End semester examinations.
- Learning outcomes are periodically monitored by Project reviews and Laboratory experiments.
- Feedbacks are obtained from the Employers, Alumni and students are periodically reviewed and discussed in BOS for further tuning of program objectives and learning outcomes.
- ISO audit is done twice a year and the report is considered by the department for suitable action to be taken for setting right any deficiencies.

35. Highlight the participation of students and faculty in extension activities.

- Students are participated in the Extension Activities through NSS and NCC.
- Faculty members are doing consultancy services and research on social issues like water, pollution and employment.

36. Give details of “beyond syllabus scholarly activities” of the department. Scholarly activities are undertaken, beyond the syllabi, to inculcate research and industry orientation. Some of the initiatives are

- Design Based Experiments in Laboratory Courses
- Mini-projects to inculcate industry and research orientation
- One Credit Courses
- Self-study Electives
- Value Added Courses
- Technical Seminars
- Workshops and Expert’s Lectures
- Industrial visits and internships are arranged for both students and faculty to learn contemporary industrial practices in order to identify small problems for consultancy and big problems for sponsored projects

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.

UG: NBA Reaccreditation for three years (2009-12)
PG: NBA Reaccreditation for three years (2009-12)

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges

(SWOC) of the department

Strength	Weakness	Opportunities	Challenges
<ul style="list-style-type: none">Well-equipped LaboratoriesQualified faculty members	<ul style="list-style-type: none">Less number of book publicationsLess number of placements in Public sector companies	<ul style="list-style-type: none">Consistent encouragement for R&D activitiesReward for publications and PatentsAvailability of research funds from national and international agenciesCollaboration with leading MNCs	<ul style="list-style-type: none">Competition with other institutionsTraining students to changing industrial needsAdaptation of Faculty for new technologiesPromoting academic standard of students at par with international students.

39. Future plans of the department

- 1 To establish a “Centre of Excellence in Power Management”
- 2 To establish inter-departmental research lab on “Renewable energy resources”
- 3 To initiate collaborative programs with leading International Universities and Research Institutions.
- 4 Introduction and development of visualization techniques in STEM subjects to improve effectiveness in the teaching learning process. It will be useful for bridging the gap between knowledge and application.

Evaluative Report of the Department

- Name of the Department & its year of establishment:** Electronics and Communication Engineering, Year of establishment: 1998
- Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

Sl. No.	Programme offered	Name of the Programme
1	UG	B.E. Electronics and Communication Engineering
2	PG	M.E. Applied Electronics
3	PG	M.E. Communication Systems
4	PG	M.E. VLSI Design
5	PG	M.E. Embedded Systems
6	Ph.D.	Information and Communication Engineering

- Interdisciplinary courses and departments involved**

Sl.No	Name of the Open Elective	Course offers to other Department
1	Automotive Electronics	1. Department of Electrical and Electronics Engineering 2. Department of Mechanical Engineering
2	Wireless Security	Department of Electrical and Electronics Engineering
3	Robotics	
4	Nano Electronics	
5	Electronic Product Design	Department of Mechatronics

- Annual/ semester/choice based credit system:**
Semester system with choice based credit system

- Participation of the department in the courses offered by other departments**

Sl. No.	Courses offer to other department	Interdisciplinary courses offered
1	Mechanical Engineering	1. Electronics and Microprocessors 2. Electronics and Microprocessors Lab
2	Electrical and Electronics Engineering	1. Communication Engineering 2. Basic Electrical and Electronics Engineering
3	Aeronautical Engineering	1. Microprocessor and Applications 2. Microprocessor and Microcontroller
4	Textile Technology	1. Creativity and Innovation

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

UG:

Category	Sanctioned	Filled
Professors	4	4
Associate Professors	8	1
Assistant Professors	24	31

Total (A): 36

PG: (4 Programmes)

Category	Sanctioned	Filled
Professors	0	1
Associate Professors	0	2
Assistant Professors	15	12

Total (B): 15

Total (A+B)=51

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./ M. Phil. etc.,)

Sl. No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1	Dr.S.Valarmathy	Ph.D.	Professor and Head	Applied Electronics	21	12 (Guiding)
2	Dr.R.Harikumar	Ph.D.	Professor	Applied Electronics	23	9(Guiding) 2 Awarded
3	Dr.M.G.Sumithra	Ph.D.	Professor	Medical Electronics	19	2 (Guiding)
4	Dr.C.Ganesh Babu	Ph.D.	Professor	Microwave and Optical Engineering	16	3 (Guiding)
5	Dr.T.V.P.Sundararajan	Ph.D.	Professor	Applied Electronics	19	-
6	Dr. Lakshmi Narayana M Mohan	Ph.D.	Associate Professor	Liquid Crystals	19	3(awarded) 1(thesis submitted) 2 (Guiding)
7	Dr.P.Sampath	Ph.D.	Associate Professor	Communication Systems	13	7 (Guiding)
8	Dr.S.M.Ramesh	Ph.D.	Associate Professor	Applied Electronics	10	1 (Guiding)
9	Mr.A.John Clement Sundar*	M.E.	Assistant Professor (Sr.Gr)	Communication Systems	15	-

Sl. No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
10	Mr.P.Saravanakumar*	M.Tech.	Assistant Professor (Sr.Gr)	Information Technology	10	-
11	Mr.N.Saravanakumar*	M.E.	Assistant Professor (Sr.Gr)	VLSI Design	10	-
12	Mrs. K.Nirmalakumari*	M.E.	Assistant Professor (Sr.Gr)	Applied Electronics	7	-
13	Mr.S.P.Prakash*	M.E.	Assistant Professor (Sr.Gr)	Applied Electronics	7	-
14	Mrs.M.Pushpavalli*	M.E.	Assistant Professor (Sr.Gr)	Applied Electronics	8	-
15	Mr.S.Karthick*	M.E.	Assistant Professor (Sr.Gr)	Applied Electronics	6	-
16	Mr.S.Kirubakaran*	M.E.	Assistant Professor (Sr.Gr)	Network Engineering	6	-
17	Mr.C.Kamalanathan*	M.E.	Assistant Professor (Sr.Gr)	Applied Electronics	8	-
18	Mrs.M.Kalamani*	M.E.	Assistant Professor (Sr.Gr)	Applied Electronics	10	-
19	Dr.Sanjoy Deb	Ph.D.	Assistant Professor	Nano Electronics	2	1 (Guiding)
20	Ms.M.Mohana Arasi	M.E.	Assistant Professor	Applied Electronics	4	-
21	Mr.K.Sakthi Sudan*	M.E.	Assistant Professor	Communication Systems	4	-
22	Ms.E.Santhi	M.E.	Assistant Professor	Communication Systems	4	-
23	Mr.M.Arunkumar*	M.E.	Assistant Professor	Communication Systems	4	-
24	Mr.C.Rajarajachozhan*	M.E.	Assistant Professor	Communication Systems	4	-

Sl. No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
25	Mr.R.Nirmal Kumar	M.E.	Assistant Professor	Low Power VLSI Design	4	-
26	Mrs.C.Lakshmi Priya	M.E.	Assistant Professor	Communication Systems	5	-
27	Mrs.J.Poornimasre	M.E.	Assistant Professor	VLSI Design	6	-
28	Mrs.P.Ramya	M.E.	Assistant Professor	Communication Systems	5	-
29	Ms.K.Thamarairubini	M.E.	Assistant Professor	Communication Systems	3	-
30	Msr.K.Shoukath Ali*	M.E.	Assistant Professor	Communication Systems	2	-
31	Mr.S.Elango*	M.E.	Assistant Professor	VLSI Design	2	-
32	Mr.A.Danielraj*	M.E.	Assistant Professor	VLSI Design	1	-
33	Mr. Sajan P Philip*	M.E.	Assistant Professor	Applied Electronics	1	-
34	Ms.M.Gowthami	M.E.	Assistant Professor	Embedded Systems	1	-
35	Ms.J.P.Shri Tharanyaa	M.E.	Assistant Professor	Embedded Systems	1	-
36	Ms.S.Kiruthika	M.E.	Assistant Professor	VLSI Design	1	-
37	Ms.R.Jeevitha	M.E.	Assistant Professor	Embedded Systems	1	-
38	Ms.T.Jayanthi	M.E.	Assistant Professor	Applied Electronics	1	-
39	Ms.K.Saranya	M.E.	Assistant Professor	Low power VLSI Design	1	-
40	Ms.A.K.Gowthami	M.E.	Assistant Professor	Low Power VLSI Design	1	-
41	Ms.E.Shalini	M.E.	Assistant Professor	Communication Systems	1	-
42	Ms.G.Saranya Devi	M.E.	Assistant Professor	Communication Systems	1	-
43	Mr.R.Ramkumar*	M.E.	Assistant Professor	Embedded System Technologies	3	-

Sl. No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
44	Ms.S.Vidhya	M.E.	Assistant Professor	Communication Systems	1	-
45	Ms.S.Surabhi	M.E.	Assistant Professor	VLSI Design	1	-
46	Mr.KR. Deepak*	M.E.	Assistant Professor	Communication Systems	1	-
47	Ms.Fema Merin Jacob	M.Tech.	Assistant Professor	Embedded Systems	2	-
48	Mr.S.R.Sannasi Chakravarthy	M.E.	Assistant Professor	Applied Electronics	2	-
49	Ms.M.Renugadevi	M.E.	Assistant Professor	Communication Systems	-	-
50	Ms.S.A.Subhasakthe	M.E.	Assistant Professor	VLSI Design	-	-
51	Ms.N.Sasirekha	M.E.	Assistant Professor	Communication Systems	-	-

*pursuing Ph.D

8. Percentage of classes taken by temporary faculty – programme-wise information:
Nil

9. Programme-wise Student Teacher Ratio

S.No.	Programme	Student-Teacher ratio
1	UG	15:1
2	PG (4 Programmes)	12:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Sanctioned	Filled
Administrative Staff	2	2
Lab Instructors and Assistants	10	10

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

a) National Funding Agencies: On-Going projects – 7 members

SI. No	Name of the Faculty	Title	Funding Agencies	Grant Received (Rs. in lakhs)
1	Dr.R.Harikumar Dr.C.Ganeshbabu Dr. N. S.Vasanthi	Non Invasive Photo Plethysmographic Based Glucometer for Mass Screening Diabetes	ICMR Ad-hoc Project	9.81
2	Dr. M L N Madhu Mohan	Synthesis and Characterization of Nanoliquid Crystalline Materials	BRNS-DAE	11.96
3	Dr.P.Sampath Dr.C.Ganesh Babu	Design and Implementation of Analog Beamforming System Using Microstrip Conformal Phased Array Antennas for Noninvasive Breast Cancer Detection	AICTE-RPS New Delhi	12
4	Dr.S.Valarmathy Mr.S.Kirubakaran Mr.C.Kamalanathan	Development of Software to Increase the Data Availability and Security in the Cloud Computing Environment and Recover Data from Disaster	AICTE-RPS New Delhi	9.4

National Funding Agencies: Completed projects (2004-2013)

SI. No	Name of the Faculty	Title	Funding Agencies	Grants Received (Rs. in lakhs)
1.	Dr. M L N Madhu Mohan	Detailed Investigations on a New Class Archiral Liquid Crystals	AICTE-RPS New Delhi	20
2.	Dr. M L N Madhu Mohan	Design of Novel Archiral Liquid Crystals Exhibiting Ferroelectric Phase	DST, New Delhi	18
3.	Dr.S.Arumugam Dr.S.Valarmathy	Development of an Embedded Crypto Biometric Authentication Scheme for ATM Banking Systems	AICTE - RPS New Delhi	3.45
4.	Dr.R.Harikumar Dr.K.Paramasivam Dr.C.Ganeshbabu	FPGA Implementation of Wavelet Networks for Epilepsy Risk Level Classifications from EEG Signals	AICTE-RPS New Delhi	5

Sl. No	Name of the Faculty	Title	Funding Agencies	Grants Received (Rs. in lakhs)
5.	Dr.R.Harikumar Dr.C.Palanisamy	A detailed study on Wavelet Networks for Epilepsy Risk level Classifications from EEG Signals	DRDO-EPR New Delhi	3.76
6.	Dr. A. Shanmugam Mrs.C.Poongodi Mrs. D.Deepa	Design of printed dipole antennas for UHF-RFID Reader in stock control application	AICTE New Delhi	8.10

b) International Funding Agencies : Nil

c) Total Grant Received : Rs 43.17 Lakhs (On-Going)

Total grant received : Rs 58.31 Lakhs (Completed)

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; Nil

13. Research facility / centre with

- **State Recognition**

- a. Recognized Research Centre for M.S./Ph.D.-Anna University, Chennai
- b. Foundry library files for 0.35µm technology worth Rs. 8Lakhs given by Austriamicrosystems-Austria is available in the department for designing digital, analog and mixed signal VLSI circuits.

- **National Recognition**

Establishment of BIT-Freescale Embedded Laboratory with a total cost of Rs.25 Lakhs. The department is recognized as one of the three nodal centres for organizing Freescale Smart Car Race prelims at national level every year.

- **International Recognition: Nil**

14. Publications:

- Number of papers published in peer reviewed journals:
 - National : 23
 - International : 379
- Number of papers published in conferences:
 - National : 163
 - International : 268
- Monographs : 5
- Chapter(s) in Books – Nil
- Editing Books - Nil
- Books with ISBN numbers with details of publishers – 5

1. Dr.R.Harikumar, B.Vinoth Kumar, Analysis of Quality Measures for Medical Image Segmentation, LAP LAMBERT Academic Publishing GmbH & Co. KG, Germany April 2012. ISBN: 978-3-659-11412-0
 2. Dr.R.Harikumar, B.Vinoth Kumar,Vijayakumar.T, Estimation Of Drowsiness From EEG Signals- A Correlation Dimension Approach, LAP LAMBERT Academic Publishing GmbH & Co. KG, Germany, May 2012. ISBN: 978-3-659-12019-0
 3. Dr.R.Harikumar, T.Vijayakumar, B. Vinoth Kumar, Performance Analysis Of Fuzzy Genetic Algorithms, Support Vector Machine (SVM) And Statistical Analysis For Classification Of Epilepsy Risk Level In Diabetic Patients From EEG Signals, LAP LAMBERT Academic Publishing GmbH & Co. KG, Germany, May 2012. ISBN: 978-3-659-13324-4
 4. Dr.R.Harikumar, Dr.C.Ganesh Babu, B. Vinoth Kumar, FPGA Implementation of Fuzzy (PD & PID) Controller for Insulin Pumps in Diabetes, LAP LAMBERT Academic Publishing GmbH & Co. KG, Germany, June 2012. ISBN: 978-3-659-14128-7
 5. Dr.R.Harikumar, B. Vinoth Kumar, Dr.C.Ganesh Babu, Adaptive Modulation Techniques and Coding Rate for OFDM Systems, LAP LAMBERT Academic Publishing GmbH & Co. KG, Germany, October 2013. ISBN: 978-3-659-48651-7
- Number listed in International Database - 57
 - Citation Index – range / average
 - Impact factor – range / average :
 - Citation Index : Min: 3 Max: 100
 - h-index : Min: 1 Max: 5
 - SNIP – Range/Average: Min:0.1 Max: 2.561 Average: 1.386
 - SJR – Range / Average: Min: 0.034 Max: 0.042 Average: 0.038

15. Details of patents and income generated: Nil

16. Areas of Consultancy and income Generated :

Sl. No	Nature of Consultancy Work	Revenue Generated (Rs.)	Mutual benefits (Interaction between Industries and Institutes, Knowledge Transfer)
1	Design and Development of Spectrogram meter for Textile Draw frame Machine	20,000	ShertronicsAutomation, Kavundampalayam, Coimbatore.
2	Characterization of liquid Crystals	17,000	JNT University Kakinada and Anna University, Madurai
3	Bayesian Imaging Concepts for Smart Fracture Detection in X-Ray Images	30,600	Texas Instruments Analog Design Contest for Indian Universities, 2009

Sl. No	Nature of Consultancy Work	Revenue Generated (Rs.)	Mutual benefits (Interaction between Industries and Institutes, Knowledge Transfer)
4	Blood Pressure Indicating Cell phone	30,600	Texas Instruments Analog Design Contest for Indian Universities, 2009
5	Detection of Atherosclerosis	30,600	Texas Instruments Analog Design Contest for Indian Universities, 2009
6	DSP based Auto Leveler with Quality Monitor used in Textile Draw frame Machine	20,000	M/s Sheltronics, Coimbatore
7	Embedded wireless Device Control System	9,000	M/s V Tec Embedded and Software Solutions Coimbatore
8	Vehicle Tracking using GSM	15,600	Pricol, Coimbatore
9	Object Tracking using RFID Tag	15,000	Pricol, Coimbatore

17. Faculty recharging strategies

Faculty members are regularly deputed to attend

- Workshop/Seminar/Webinar/National & International Conference
- To participate in Industry orientation programmes to learn contemporary industrial practices
- Industrial Visits & Faculty Development Programmes
- Personal Effectiveness Programme
- Training programmes based on Bloom's Taxonomy on teaching.
- Lectures by external experts on topics related to emerging areas in research, industry and society.
- Visit to Research centres to learn about emerging trends

18. Student projects

- percentage of students who have done in-house projects including inter- departmental : 90%
- Number of students doing projects in collaboration with industries / institutes

S. No.	Year	Number of Students	
		UG	PG
1.	2011	-	1
2.	2012	9	-
3.	2013	11	3

19. **Awards / recognitions received at the national and international level by**
o Faculty: 16

Awards:

1. Dr. S. Valarmathy, Professor & Head of the Department of Electronics and Communication Engineering, received **ISTE-PERiyAR Award for the Best Engineering College Teacher, TN&P Section** for the year 2014.
2. Dr A Shanmugam, Principal was awarded Golden Educationist of India Award for Outstanding Achievements in the Field of Education by National & International Compendium, New Delhi for 2013.
3. Dr. S. Valarmathy, Professor & Head of the Department of Electronics and Communication Engineering, received Shri P K Das Memorial Best Faculty Award -2013 from Nehru Group of Institutions, Coimbatore.
4. Dr. R. Hari Kumar, Dr. K. Paramasivam and Dr. C. Ganesh Babu, Department of ECE secured the **"Freescale Cup Intelligent Car Racing 2011 Dedicated Service Award"** from M/s Freescale Semi Conductors Limited, Bengaluru.
5. R.Harikumar, "A Comprehensive Analysis on Post processing Mathematical Models (MRE, Aggregation Operators and Soft decision Trees) for Patient Specific Fuzzy Based Epilepsy Risk Level Classifier from EEG Signals", Certificate of Merit 2009 from I.E (India).
6. R.Harikumar, "FPGA Synthesis of Heterogeneous and SIRM Fuzzy System for classification of Diabetic Epilepsy Risk levels", The Institution Prize - 2009 from I.E (India).

Best Paper Award:

1. Dr.R.HariKumar, T.Vijayakumar, G.A. Nivhedhitha, "Analysis of Extreme Learning Machine in Classification of Epilepsy Risk level from EEG Signals,"- National Conference on Communication Systems and VLSI Design(NCCSVD-2014) PSG College of Technology Coimbatore, January 30th 2014.
2. Dr.R.Harikumar, T.Vijayakumar, Dr.C.Ganesh Babu,,M.G.Sreejith, Performance Analysis of Morphological Operators based Feature Extraction and SVD, Neural Networks as Post Classifier for the Classification of Epilepsy Risk Levels. Springer 4th International Conference on Signal and Image Processing (ICSIP 2012), hosted by, Dr.N.G.P Institute of Technology Coimbatore during DEC 13-15, 2012.
3. Kalamani M, Valarmathy S, Poonkuzhali C and Karthiprakash R, "Comparison of Cepstral and Mel Frequency Cepstral Coefficients For Various Clean and Noisy Speech Signals",in the proceeding of International Conference on Global Innovations in Computing Technology (ICGICT-2014) conducted by Jay Sriram Group of Institutions, Tripur in collaboration with St.Francis Xavier University, Canada during 6th – 7th March, 2014, pp.150.

4. B.Murugeshwari and Valarmathy S (2010) "Ear Biometrics For Person Authentication Using Matlab" in the fourth National Conference on "Signals, Systems and Security" NCSSS-2010
5. Sumithra M. G., Thanushkodi K. and Vanitha K., " Enhancement of Speech signals using scale adaptive wavelet Transform" National conference on Signals Systems and Security held at Bannari Amman Institute of Technology during 26 -27, Feb. 2010
6. Sumithra M. G., Thanushkodi K. and Deepa B., " Classification of Voiced and Unvoiced regions in Speech Signals" National conference on Signals Systems and Security , held at Bannari Amman Institute of Technology, pp.Feb. 2010 .
7. Dr.R.Harikumar, T.Vijayakumar, Dr. C.Palanisamy, 'Performance Analysis of Wavelet Networks for the Classification of Epilepsy Risk Levels from EEG Signals' -National Conference on Emerging Trends in Engineering and Technology NET-2011, 25- 26 February, 2011, Government Engineering College, West Hill P.O., Kozhikode, Kerala 673005
8. T.V.P.Sundararajan 'Performance analysis of AODV, DSR and DYMO routing Protocols for VANET under Urban and Freeway Environments in the National conference on Telecommunication & Control engineering(NCTCE'12) at PPG institute of technology, Coimbatore, held on 6th January 2012, Coimbatore
9. R.Benschwartz, S.M.Ramesh, "An Electromagnetic Crystal Power Substrate with Efficient Suppression of Power Ground Plane Noise on High Speed Circuits", International Conference on Modeling and Simulation, at College of Engineering, Trivandrum 1-3 December, 2009.
10. S.M.Ramesh, "A New Technique is Approach to Memory Compression for Comp-Cache Image Processing", International Conference on Recent Advances in Mechanical Engineering, at Noorul Islam University 8-9 April, 2010.

- Doctoral / post doctoral fellows: Nil
- Students: Good number of students are participating in National and International events and winning various awards/prizes/medals.
 - Participation in National and International events (Workshops/Symposiums/ Conferences) : 411
 - Participation and winning various awards/prizes/medals in Sports/NCC/NSS : 66

20. Seminars/ Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

Sl. No	Event Name	Organizing Faculty	Source of Funding	Number of Participants	
				Internal	External
1	One day workshop Wireless network and security application using qualnet (31.10.09)	Dr.R.Harikumar	Self supporting	-	89
2	Certificate course Digital System Design using HDL (08.10.09 to 30.10.09)	Mr.K.Nehru	Self supporting	-	42
3	One day workshop Recent trends in Image Processing (21/11/09)	Dr.R.Harikumar	Self supporting	-	60
4	National Conference Fourth National Conference on Signals, Systems and Security (26.02.10 to 27.02.10)	Dr.R.Harikumar Dr.K.Paramasivam Dr.C.Ganesh Babu	Self supporting	-	200
5	Freescall Smart Car Race 2010 Smart Car Competition training (04.06.10 to 06.06.10)	Dr.R.Harikumar Dr.K.Paramasivam Dr.C.Ganesh Babu	Sponsored by M/s. Freescall Semiconductor Bangalore	20	100
6	Freescall Smart Car Race 2010- Smart Car Competition (27.09.10 to 29.09.10)	Dr.R.Harikumar Dr.K.Paramasivam Dr.C.Ganesh Babu	Sponsored by M/s. Freescall Semiconductor Bangalore	20	100
7	Network Simulator- 2 for Broadband Technologies (10.07.10)	Dr.S.Valarmathy	Sponsored by Juniper Network	130	-
8	Demonstration on DSO, Network Analyzers, Logic Analyzers, Noise Figures & Noise Sources, Parameter & Device Analyzers, Curve Trackers, Protocol Analyzers & Exercisers, Power meter & Power Sensors, Frequency Counter Products (22.08.10)	Dr.S.Valarmathy	Sponsored by Agilent Technologies, Coimbatore.	63	-
9	FUTURA-2010 National Symposia & Open-house (03.09.10 to 05.09.10)	Dr.S.Valarmathy	Self supporting	-	150

Sl. No	Event Name	Organizing Faculty	Source of Funding	Number of Participants	
				Internal	External
10	Freescall Cup India - 2011, Preliminary Race (12.09.11)	Dr.R.Hari Kumar Dr.K.Paramasivam Dr.C.Ganeshbabu	M/s Freescale Semiconductor Bangalore	25	100
11	Workshop on PCB Designing, Testing and Manufacturing (16.09.11)	Dr.S.Valarmathy Prof.M.G.Sumithra	Self supporting	60	-
12	Hands on training Program on Freescale Semiconductor HCS12X Microcontroller (17.09.11)	Dr.K.Paramasivam Ms.R.Kayalvizhi Ms.M.Mohanaarasi Ms.Poornimasre	M/s Freescale Semiconductor Bangalore	-	45
13	Workshop on Eyebotics Image Processing Based Robotics (08.09.11)	Mr.S.P.Prakash	Self supporting	60	-
14	National workshop Applications of Soft Computing Techniques to Electrical Engineering (11.10.11 to 12.10.11)	Dr.S.Valarmathy Dr.M.G.Sumithra Mr.M.Arun Kumar	Self supporting	-	40
15	National workshop on Intelligent Data Analytics and Image Processing (14.10.11 to 15.10.11)	Dr.S.Valarmathy Dr.M.G.Sumithra Mr.M.Arun Kumar	Self supporting	-	40
16	Engineering Perspectives For Diabetes and Epilepsy Health Care (28.02.12 to 29.02.12)	Dr.R.Hari Kumar Dr.C.Ganesh Babu Dr.S.Valarmathy Dr. K. Paramasivam Mr. B. Vinoth Kumar	Self supporting	-	40
17	Workshop Cum Placement Training in DSP (06.07.12 to 08.07.12)	Ms.S.Priya	Self supporting	63	-
18	Workshop Cum Placement Training in DSP (27.07.12 to 29.07.12)	Ms.S.Priya	Self supporting	63	-
19	Computational Intelligence in Medicine and Health Care (10.08.12 to 11.08.12)	Dr.S.Valarmathy Dr.M.G.Sumithra Mr.C.Kamalanathan Mr.R.Nirmal Kumar Ms.M.Sarumathi	Self supporting	-	40
20	Workshop on Bio Signal Processing and Virtual Instrumentation (11.08.12)	Dr.R.Hari Kumar Dr.C.Ganesh Babu	Self supporting	50	-

Sl. No	Event Name	Organizing Faculty	Source of Funding	Number of Participants	
				Internal	External
21	Conoscenza- Intra College Symposia (12.03.12 to 13.03.12)	Mr.S.P.Prakash Mr.C.Kamalanathan	Self supporting	120	-
22	National Conference on Signals, Systems and Security (NCSSS 2012) (23.02.12 to 24.02.12)	Dr.S.Valarmathy Dr.M.G.Sumithra Mr.T.V.Sundararajan Mr.P.Saravana Kumar	Self supporting	-	200
23	Workshop on Sixth Sense Robotics (22.01.13 to 23.01.13)	Mr.A.John Clement Sunder	Self supporting	-	100
24	Workshop on Android Botix (22.01.13 to 23.01.13)	Mr.A.John Clement Sunder	Self supporting	-	60
25	Workshop on Microwind EDA tool (18.02.13)	Dr.K.Paramasivam	Self supporting	35	-
26	National Seminar on Computational Intelligence for Cardio Vascular Health Care (27.05.13 to 28.05.13)	Dr.R.Hari Kumar Dr.C.Ganesh Babu Mr.B.Vinoth Kumar	Self supporting	-	40
27	Workshop in MATLAB and Simulink for Engineering Education with Hands on Training (19.07.13)	Mrs.M.Kalamani Mr.P.Saravana Kumar Mrs.P.Ramya	Self supporting	60	-
28	Workshop (Webinar) for Training and identification of Master Trainers on outcome based Accreditation Process and Parameters (05.07.13)	Dr. M.G.Sumithra	Self supporting	10	60
29	Workshop on Training Of Evaluators/Resource Persons On Outcome Based Accreditation (24.07.13 to 26.07.13)	Dr. M.G.Sumithra	Self supporting	10	60
30	Workshop on installation and training program on Exata emulator (12.08.13 to 13.08.13)	Dr.T.V.P.Sundararajan Dr.G.M.Tamilselvan	Self supporting	40	-
31	Seminar on Embedded VLSI (24.08.13)	Mr.S.P.Prakash	Self supporting	200	-
32	Seminar on MSP 430 Microcontroller (30.08.13)	Mrs.M.Pushpavalli	Self supporting	150	-
33	Touch Controlled Wireless Robotics (03.09.13 to 04.09.13)	Dr.S.Valarmathy	Self supporting	-	60

Sl. No	Event Name	Organizing Faculty	Source of Funding	Number of Participants	
				Internal	External
34	NBA Workshop (13.09.13)	Dr. M.G.Sumithra	Self supporting	10	60
35	NBA Workshop (25.09.13 to 27.09.13)	Dr. M.G.Sumithra	Self supporting	10	60
36	National conference on communication, computing, and Networks (NCCCN-2013) (04.10.13 to 05.10.13)	Dr.S.Valarmathy Dr.G.M.Tamil Selvan Mr.K.Sakthi Sudhan	Self supporting	-	200
37	Embedded Processors and Analog ICs in creative ways to solve system level design problems (Texas Instruments Innovation Challenge) (18.10.13)	Dr.M.G.Sumithra Dr.T.V.P.Sundararajan	Self supporting	350	-
38	Robotryst-2014, A national level Robotics Championship workshop Robotryst-2014, A national level Robotics Championship workshop (30.01.14 to 31.01.14)	Dr.S.Valarmathy	Self supporting	-	60
39	NBA Workshop on Train the trainers (06.01.14)	Dr.M.G.Sumithra	Self supporting	10	60
40	NBA Workshop on Train the trainers (18.01.14 to 20.01.14)	Dr.M.G.Sumithra	Self supporting	10	60
41	Short Term Course on VHDL Programming and Practice (07.02.14 to 08.02.14)	Dr.P.Sampath Mr.S.Elango Ms.K.Saranya Ms.S.Kiruthika Mr.Sajan.P.Philp	Self supporting	-	18
42	A workshop on Image Processing using MATLAB (10.02.14)	Mr.M.Arun Kumar Mr.R.Nirmal Kumar	Self supporting	40	-
43	Sixth National Conference on Signals, Systems and Security (27.02.14 to 28.02.14)	Dr.S.Valarmathy Dr.R.Hari Kumar Dr.C.Ganesh Babu Dr.P.Sampath Mr.S.Elango	Self supporting	-	150
44	Conoscenza 14 Technical & Nontechnical event (20.02.14 to 21.02.14)	Mr.S.P.Prakash	Self supporting	200	-

Sl. No	Event Name	Organizing Faculty	Source of Funding	Number of Participants	
				Internal	External
45	Training Programme on FPGA Xilinx Tools (06.03.14)	Dr.S.Valarmathy Dr.T.V.P.Sundararajan Mrs.K.Nimala Kumari Mr.R.Nirmal Kumar Mr.S.Elango	Self supporting	40	-
46	M/s Freescale Semiconductor Bangalore Smart car Race training program at BIT Sathy (09.03.14)	Dr.R.Harikumar Dr.C.Ganeshbabu Dr.P.Sampath	Sponsored by M/s. Freescale Semiconductor Bangalore	43	120
47	Workshop on Simulation and Modeling for Advanced Wireless Networks (29.04.14 to 30.04.14)	Dr.S.Valarmathy Dr.T.V.P.Sundararajan Mr.K.Sakthisudhan	Self supporting	-	60
48	Workshop & Three day workshop NBA Workshop (17.05.14 & 23.05.14 to 26.05.14)	Dr.M.G.Sumithra	Self supporting	10	60

21. Student profile course-wise:

Name of the Course (Refer Question no.2)	Year	Applications Received	Selected		Pass Percentage		Overall Pass Percentage
			Male	Female	Male	Female	
B.E.(ECE)	2006-10	113	63	50	51	49	91.5
B.E.(ECE)	2007-11	117	71	46	59	41	96.9
B.E.(ECE)	2008-12	131	83	48	60	40	95.1
B.E.(ECE)	2009-13	107	49	58	46	54	100

Name of the Course (Refer Question no.2)	Year	Applications Received	Selected		Pass Percentage		Overall Pass Percentage
			Male	Female	Male	Female	
M.E.(AE)	2007-09	7	2	5	28.6	71.4	100
M.E.(AE)	2008-10	8	7	1	87.5	12.5	100
M.E.(AE)	2009-11	18	6	12	33.3	66.7	100
M.E.(AE)	2010-12	18	8	10	44.4	55.6	100
M.E.(AE)	2011-13	18	5	13	27.8	72.2	100

Name of the Course (Refer Question no.2)	Year	Applications Received	Selected		Pass Percentage		Overall Pass Percentage
			Male	Female	Male	Female	
M.E.(CO)	2007-09	2	0	2	0	100	100
M.E.(CO)	2008-10	6	2	4	33.3	66.7	100
M.E.(CO)	2009-11	18	7	11	39	61	100
M.E.(CO)	2010-12	18	8	10	44.4	55.6	100
M.E.(CO)	2011-13	18	7	11	39	61	100

Name of the Course (Refer Question no.2)	Year	Applications Received	Selected		Pass Percentage		Overall Pass Percentage
			Male	Female	Male	Female	
M.E.(VLSI)	2007-09	9	7	2	77.8	22.2	100
M.E.(VLSI)	2008-10	10	5	5	50	50	100
M.E.(VLSI)	2009-11	18	7	11	39	61	100
M.E.(VLSI)	2010-12	18	10	8	55.6	44.4	100
M.E.(VLSI)	2011-13	18	8	10	44.4	55.6	100

Name of the Course (Refer Question no.2)	Year	Applications Received	Selected		Pass Percentage		Overall Pass Percentage
			Male	Female	Male	Female	
M.E.(ES)	2010-12	18	10	8	55.6	44.4	100
M.E.(ES)	2011-13	17	9	8	53	47	100

22. Diversity of Students

Name of the Course (Refer Question no. 2)	Year	% of Students from the College	% of Students from the State	% of Students from other States	% of Students from other Countries
B.E. (ECE)	2006-10	-	99.1	0.9	-
	2007-11	-	99.2	0.8	-
	2008-12	-	97.7	2.3	-
	2009-13	-	97.2	2.8	-
M.E.	2007-09	5.6	94.4	-	-
	2008-10	-	83.3	16.7	-
	2009-11	3.7	90.7	5.6	-
	2010-12	-	87.5	12.5	-
	2011-13	-	87.3	12.7	-

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

Civil Services : 01
 Defense Services : 02
 GATE : 02
 BEC : 51

24. Student progression

Student progression	Number enrolled				
	2009	2010	2011	2012	2013
UG to PG	3	3	13	22	6
PG to M.Phil.	-	-	-	-	-
PG to Ph.D.	-	2	3	-	1
Ph.D. to Post-Doctoral	-	-	-	-	-
Employed					
• Campus selection	96	88	120	142	86
• Other than campus recruitment	34	32	20	0	34
Entrepreneurs	-	-	-	1	-

25. Diversity of staff

Percentage of faculty who are graduates of	UG	PG	Ph.D
the same parent university	57%	85%	70%
from other universities within the State from	35%	11%	10%
other universities from other States	8%	4%	20%

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: Ph.D:10

SI.No	Faculty Name	Year of Award
1.	Mrs. S.Valarmathy	2009
2.	Mr. R.Harikumar	2009
3.	Mr. K.Paramasivam	2009
4.	Mr. C.Ganesh Babu	2010
5.	Mr. T.Gnanasekaran	2010
6.	Mrs. M.G.Sumithra	2011
7.	Mr. S.M.Ramesh	2012
8.	Mr. Sanjoy Deb	2012
9.	Mr. T.V.P.Sundararajan	2013
10.	Mrs. M.Puspavalli	2014

27. Present details about infrastructural facilities

- a) Department Library: available
Books: 1800 Project reports: 450
Journals: National -25, International-10 (As per Mandatory subscription of e-journal packages for all Engineering Institutions conducting UG/PG courses by AICTE)
- b) Internet facilities for staff and students
 - All computers used by faculties and students are connected with high speed internet connections (100Mbps)
- c) Total number of class rooms
PG: 8 classrooms UG: 9 classrooms
- d) Class rooms with ICT facility
PG: 8 classrooms UG: 9 classrooms
- e) Students' laboratories
UG: 6 PG: 4
- f) Research laboratories : 6

28. Number of students of the department getting financial assistance from College.

Year	Number of students getting financial assistance
2010-11	150
2011-12	110
2012-13	62

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

Need assessment exercise was carried out for starting M.E. (Embedded Systems) programme by

- Based on the demand of the program.
- Interaction with higher education institutions like NIT and IISc.
- Interaction with experts from industries.
- Feedback received and considering the suggestion given by the Stake-holders.
- Referring to the curriculum of MIT, Stanford Universities on Internet.

30. Does the department obtain feedback from

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

The process for curriculum design, evaluation and update of the syllabi are standardized. The proposals with proper and sufficient justification are deliberated in the Board of Studies before accepting for inclusion in the syllabi after following the procedure. Feedback on teaching learning process

is discussed in departmental meetings and then suitable remedial actions are taken if necessary.

- b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?
 - **Feedback on Staff:** Online Student feedback on Faculty is obtained after every periodal test as per the ISO format and discussed in departmental meetings and then suitable remedial actions are taken if necessary.
 - **Feedback on Curriculum:** Feedback regarding the curriculum is obtained from the students and faculty. The same is presented in BoS meeting and if necessary, modifications are made in the syllabi after following due procedures.
 - **Feedback on Teaching learning process:** Feedback is obtained from students on teaching-learning and the feedback are discussed in the department meetings and then suitable remedial actions are taken if necessary.
- c. Alumni and employers on the programmes and what is the response of the department to the same?
 - **Alumni Survey:** The alumni feedback is obtained at the end of graduation and thereafter when alumni visit the institution and online. The suggestions given are included in the agenda of BoS for consideration.
 - **Employer Survey:** Feedback is received from the employers through emails and responses are included in the agenda for BoS for consideration.

31. List the distinguished alumni of the department (maximum 10)

The alumni of our department are well-placed across various industrial sectors.

Following are a few to name.

S. No.	Name of the Alumni	Batch	Organization
1.	Mr.A.Bharathan	2002	Entrepreneur
2.	Mr.Deepak Gupta	2003	Entrepreneur
3.	Mr.S.Padamanabhan	2004	LSI, Sunny valley
4.	Mr.L.Karthikeyan	2005	Huwavi, Bangalore
5.	Dr.Nithin Paul Jonathan Williams	2005	Centre for Integrative Neuroscience and Neurodynamics (CINN) University of Reading, Reading
6.	Mr.T.J. Daniel Kirubakaran	2005	Depository Thrust Clearing Corporation, Chennai
7.	Ms.Lavanya	2006	Intel, USA
8.	Ms.P.RohiniPriyadharshini, IPS	2006	ADSP, Hosur
9.	Mr.UmaMaheshwaran	2008	Synora, Hyderabad
10.	Mr.R.Benschwartz	2010	SAMEER, Chennai

- 32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts** : 48
- Total number of workshops : 29
- Total number of seminars : 04
- Total number of special lectures : 15
- 33. List the teaching methods adopted by the faculty for different programmes.**
UG and PG:
- Creative Learning Methodology along with Scientific Learning Skills
 - Classroom teaching using Chalk-Board
 - Layer learning / Learning by doing
 - ICT
 - Mini-Projects
 - Models
 - Guest Lectures
 - One credit course
 - Webinars
 - Group Discussions
 - Paper presentation and active participation in seminars
- 34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**
- Placements
 - Feedback from Alumni & Employees
 - Higher Education of the students graduated
 - Entrepreneurship
 - Constant review after every periodical test and after review remedial action is taken
 - ISO audit is done twice a year and the report is considered by the department for suitable action to be taken for setting right any deficiencies.
- 35. Highlight the participation of students and faculty in extension activities.**
Students:
- Participation in Association activities
 - NSS/NCC/Youth Red Cross
 - Training and Placement activities
 - Establishment of Community Radio(90.4MHz), BIT, Sathy is in process. Approval from the Government is awaited.
- 36. Give details of “beyond syllabus scholarly activities” of the department.**
- Mini Projects
 - Active seminar presentation and participation
 - One credit courses, Special courses
 - Hosting workshops and conferences on issues of key domain interests
 - Internships in Industries/software organizations

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.

Yes, the programme is accredited by NBA for 5 Years with effect from 13.12.2011.

Ref: File No. 33-30/2010/NBA dated 16.12.2011

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strengths	Weaknesses	Opportunities	Challenges
<ul style="list-style-type: none">• A team of well qualified Faculty.• One third of our faculty is pursuing their doctoral degree.• Approved research centre for guiding Ph.D. scholars• Well Equipped Laboratories.	<ul style="list-style-type: none">• Limited involvement of core companies in recruitment• Very few Students show interest in research.	<ul style="list-style-type: none">• Courses are introduced in the curriculum to meet the demands of industry.• Technology upgradation is facilitated through the conduct of special lectures and workshops.• E- Learning is facilitated to enhance the learning skills of students.	<ul style="list-style-type: none">• Mushrooming of Engineering colleges in the state• Mobility of staff• Recession in industries.• Attitude of students for IT jobs.

39. Future plans of the department:

- Establishment of lab and Research centre for Nanotechnology and applications.
- Establishment of Center for Excellence in Wireless Communication.
- Development of miniaturized VLSI based products for health care and wireless technologies.
- To introduce and develop Visualization tools like gEDA for Electronic Design and PCB layout.

Evaluative Report of the Department

1. Name of the Department & its year of establishment:

Electronics & Instrumentation Engineering

Year of Establishment: 2007

2. Names of Programmes / Courses offered:

- B.E. - Electronics & Instrumentation Engineering (UG)
- M.E. - Instrumentation Engineering (PG)

3. Interdisciplinary courses and departments involved

S.No	Subject Name	Departments involved
1.	Automobile Engineering	Mechanical Engineering
2.	Robotics and Automation	Electrical & Electronics Engineering
3.	Fluids and Solid mechanics	Civil Engineering
4.	Applied thermodynamics	Mechanical Engineering
5.	C# & .NET	Information Technology

4. Annual/ semester/choice based credit system :

Semester System with Choice Based Credit System

5. Participation of the department in the courses offered by other departments

S.No	Department	Courses offered to other departments
1.	Textile Technology	Instrumentation and Control Engineering
2.	Textile Technology	Instrumentation and Control Laboratory
3.	Fashion Technology	Instrumentation and Control Engineering
4.	Fashion Technology	Instrumentation and Control Laboratory
5.	Computer Science Engineering	Instrumentation and Control Engineering

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

Designation	U.G		P.G	
	Sanctioned	Filled	Sanctioned	Filled
Professors	01	01	01	01
Associate Professors	03	03	-	-
Asst. Professors	15	15	02	02
Total	19		03	
Total No. of faculty	22			

7. Faculty profile with name, qualification, designation, specialization

S.No.	Name of faculty member	Designation	Qualification	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
1.	Dr. D Sharmila	Professor & Head	Ph.D.	Wireless Security	18	1-Guided 9-Guiding
2.	Dr. G M Tamilselvan	Professor	Ph.D	Broadband Communication Systems	Teaching: 11 Industry : 3.1	6-Guiding
3.	Mr. S P Selvaraj**	Associate Professor	M.E.	Control Systems	12	-
4.	Dr.A Jagadeesan	Associate Professor	Ph.D.	Cryptographic Key generation from multimodal Biometrics	Teaching: 11.5 Industry : 1.2	-
5.	Mr.K S Vairavel*	Associate Professor	M.E	Applied Electronics	11.5	-
6.	Mrs.R Deepa*	Assistant Professor	M.E.	VLSI Design	7.5	-
7.	Mr.L Rajasekar*	Assistant Professor	M.E.	Embedded System Technologies	4.5	-
8.	Mr.A Ramesh	Assistant Professor	M.E.	Embedded System Technologies	4.5	-
9.	Mr.S Sudhahar*	Assistant Professor	M.Tech.	Control and Instrumentation Engineering	Teaching: 4.5 Industry : 1.9	-
10.	Mrs.R Rameswari	Assistant Professor	M.E.	VLSI Design	6	-

S.No.	Name of faculty member	Designation	Qualification	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
11.	Mrs.M Kalaiyarasi	Assistant Professor	M.E.	VLSI Design	3.5	-
12.	Mrs.P Shakthipriya	Assistant Professor	M.E.	Applied Electronics	3.5	-
13.	Mr.S Kaushik	Assistant Professor	M.Tech.	Control and Instrumentation Engineering	3.5	-
14.	Ms.P Malarvizhi	Assistant Professor	M.E.	Embedded System Technologies	2.5	-
15.	Mrs.K Lakshmi	Assistant Professor	M.E.	Control and Instrumentation Engineering	4.5	-
16.	Mr.T Rajesh*	Assistant Professor	M.E.	Control and Instrumentation Engineering	2.5	-
17.	Mr.S Arun Jayakar*	Assistant Professor	M.Tech.	Control and Instrumentation Engineering	12	-
18.	Ms.R Anitha	Assistant Professor	M.E.	Control and Instrumentation Engineering	6 months	-
19.	Mr.S G Siddharth	Assistant Professor	M.E.	Embedded systems	6 months	-
20.	Mr.K Mohan Raj	Assistant Professor	M.Tech.	Control and Instrumentation Engineering	Teaching: 6 months Industry : 5	-
21.	Ms.G Ramya	Assistant Professor	M.Tech.	Control and Instrumentation Engineering	Teaching: 6 months Industry : 2	-

S.No.	Name of faculty member	Designation	Qualification	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
22.	Ms.E Tharani	Assistant Professor	M.E.	Control and Instrumentation Engineering	6 months	-

* Pursuing Ph.D.

** Synopsis Submitted

8. Percentage of classes taken by temporary faculty-programme-wise information-NIL

9. Programme-wise Student Teacher Ratio

S.No	Programme	Total No. of students	Staff Allotment	Student Teacher Ratio
1.	UG	240	240/19	13:1
2.	PG	18	18/3	6:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled

S.No	Staff	Sanctioned	Filled
1.	Academic Support Staff	05	05
2.	Administrative Staff	02	02

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

a) National Funding Agencies

Faculty Members Involved: 2

S.No	Name of the Faculty	Title of Projects	Funding Agency	Grants received in Lakhs (Rs.)
1.	Dr. D. Sharmila Mr. S.P. Selvaraj	Automation of level control of Nonlinear Tanks (Spherical and Conical)	AICTE (RPS) New Delhi	8.20

- b) International funding agencies : Nil
c) Total grants received : Rs. 8.2 lakhs

12. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received:** Nil

13. **Research facility / centre with**

- State recognition- Nil

14. **Publications:**

- Number of papers published in peer reviewed journals :
National: 3 & International: 107
- Chapter(s) in Books - 1
Number listed in International Database - 66
- Citation Index – range / average:- 01 to 52; (Google Scholar), Average : 41
- SNIP – Range/ Average:- Min:0.047, Max: 0.874, Average: 0.543
- SJR – Range / Average:- Min: 0.034, Max: 0.296, Average: 0.561
- Impact factor – range / average: Min:0.162 Max: 2.561 Average: 0.952
- h-index : Min – 2; Max – 3

15. **Details of patents and income generated-** Nil

16. **Areas of consultancy and income generated**

Areas : (1) Control system (2) Image processing

S.No	Name of the faculty	Title	Duration	Amount Rs.	Organization	Status Completed /Ongoing
1.	Mr.K.S.Vairavel Mr.L.Rajasekar	Capacitance based level sensor for flexi fuels	2011 - 2015	8,00,000/- *	Pricol Limited, Coimbatore	On going
2.	Mr.L.Rajasekar Mr.K.S.Vairavel	Pencil defect detection using Image processing	2012 - 2015	28,00,000/- **	Umesh Pencil Processors Pvt. Ltd., Pollachi	On going
3.	Mr L.Rajasekar Dr. D. Sharmila	Air leakage detection and control system for automobile outlets	2014 - 2015	5,000/-	Glider Tech Automation Coimbatore	On going

* Rs.2,00,000/- received as the first installment.

** Rs.4,00,000/- received as the first installment.

17. Faculty recharging strategies

Faculty members are encouraged to

- Attend/ organize Workshops / Seminars / Webinars / Faculty Development Programmes / National and International Conferences and Industrial Training in specific areas.
- Attend training programmes on Bloom's taxonomy way of teaching.
- Visit Industries and Interact with External experts/Resource persons from Industries and academia to give lectures on industry and research oriented problems.
- Attend the Motivational programs like Personality Effectiveness Programme, Art of living, etc.

18. Student projects

S.No	Name of the Program	In house and interdepartmental	Collaboration with industries / institutes
1.	UG	27.25 %	72.75 %

19. Awards / recognitions received at the national and international level by

- Faculty : Nil
- Doctoral / post doctoral fellows : Nil
- Students : 03

Students Awards:

1. Mr.S.K Darun won the "Best Young Presenter Award" for presented a paper on International Conference on Advances in Electronics and Electrical Engineering held at Thailand on April 6-13, 2013.
2. Mr.S.K Darun has selected as a "Hi-5 champion" of India by the India's leading NGO, BHUMI, Erode.
3. Ms.C.Susithra won the "Global Student Entrepreneur Award (GSEA 2012)" organized by South Asia India East 2012 at Kolkata held on 28th July 2012.

20. Seminars/Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any

S.No	Name of the program	Period	Source of funding	No. of participants
1.	Innovation Promotion Scheme	19.02.2014 & 21.02.2014	AICTE New Delhi	60
2.	Seminar on Embedded System Design	22.01.2014 & 23.01.2014	AICTE New Delhi	30

S.No	Name of the program	Period	Source of funding	No. of participants
3.	Seminar on Embedded System Design	29.01.2014 & 30.01.2014	AICTE New Delhi	30
4.	National Conference on Industrial Technology	05.03.10 & 06.03.10	Self supporting	60
5.	Graphical System Design using LabVIEW	23.03.10	Self supporting	45
6.	HDL package	11.10.10 to 13.10.10	Self supporting	38
7.	Industrial Automation with PLC,SCADA and DCS	28.07.10 & 29.07.10	Self supporting	75
8.	Ethical Hacking	19.08.10	Self supporting	37
9.	National Workshop on Industrial Automation using PLC	11.03.11 & 12.03.11	Self supporting	46
10.	National Workshop on Process Automation using LabVIEW	11.02.11 & 12.02.11	TECHLABS Chennai	45
11.	National Conference on Industrial Technology	04.03.11 & 05.03.11	Axis Global Automation Coimbatore & Yokogawa India Ltd. Bangalore	65
12.	Sustainable Agriculture	03.01.12 to 09.01.12	TNSCST Chennai	30
13.	Workshop on Graduate Aptitude Test in Engineering	04.02.12	Self supporting	139
14.	Workshop on Industrial Automation using PLC	17.02.12 to 18.02.12 & 20.02.12 to 21.02.12	Self supporting	117

S.No	Name of the program	Period	Source of funding	No. of participants
15.	Pre – Conference Workshop on Interfacing NI-DAQ and Yokogawa Field Instruments and Process Stations	08.03.12	Self supporting	68
16.	National Conference on Industrial Technology	9.03.2012 & 10.03.2012	Axis Global Automation, Coimbatore Yokogawa India Ltd, IEEE Madras Section	140
17.	Workshop on Application of Research methods in Business and Engineering	12.07.2013 & 13.07.2013	AICTE New Delhi	59
18.	Workshop on I-Robotricks	13.08.2013 & 14.08.2013	IIT Delhi	45
19.	International Convention Cum Pre-Conference Workshop Innovations in Engineering and Technology for Sustainable Development	03.09.2012 to 05.09.2012	Self supporting	52
20.	Industrial Automation Using PLC & DCS	25.02.2013 & 27.02.2013	Self supporting	58
21.	National Conference on Industrial Technology	13.3.2013 to 14.3.2013	Self supporting	82
22.	National level workshop on Industrial Automation using PLC	07.03.14 to 08.03.14	Self supporting	30
23.	National Conference on Industrial Technology	26.02.14 To 27.02.14	HORNER APG	60

21. Student profile course-wise:

Name of the Course (Refer Question no.2)	Year	Applications Received	Selected		Pass Percentage		Overall Pass Percentage
			Male	Female	Male	Female	
B.E.(EIE)	2007-2011	66	36	30	100	97	98.5
B.E.(EIE)	2008-2012	72	53	19	96	100	98
B.E.(EIE)	2009-2013	66	40	26	87.5	100	93.75
B.E.(EIE)	2010-2014	70	44	26	98	100	99

22. Diversity of Students

Name of the Course (refer question no. 2)	% of students from the college	% of students from the state	% of students from other States	% of students from other countries
B.E (Electronics and Instrumentation)	-	99%	1%	-

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

S.No	Examination	Number of Students Qualified
1.	GATE	01
2.	Defense services	02
3.	TANCET	07

24. Student progression

Student progression	Percentage against enrolled
UG to PG 2007-2011	05/65 = 8%
2008-2012	15/72 = 21%
2009-2013	12/63 = 19%
2010-2014	5/70=7%
PG to M.Phil.	Nil

Student progression	Percentage against enrolled
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed	
✓ Campus selection	
➤ 2007 - 2011	100% (60.Nos.)
➤ 2008 - 2012	100% (58.Nos.)
➤ 2009 - 2013	100% (58.Nos.)
➤ 2010-2014	100% (58.Nos.)
✓ Other than campus recruitment	-
Entrepreneurs	
2007 - 2011	-
2008 - 2012	1%(1.No.)
2009 - 2013	1%(1.No.)
2010 - 2014	-

25. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	54.54%
from other universities within the State	45.45%
from other universities from other States	Nil

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: Ph.D - 03

S.No	Faculty Name	Year of Award
1.	Mrs.D.Sharmila	2010
2.	Mr.G.M.Tamilselvan	2011
3.	Mr. A.Jagadeesan	2014

27. Present details about infrastructural facilities

- a) Department Library
- Number of books : 360
 - National Journal : 06
 - International Journal : 06

➤ e – journals	:	6000 + as per AICTE recommendations
b) Internet facilities for faculty members and students	:	100 Mbps
c) Total number of classrooms	:	06
d) Classrooms with ICT facility	:	06
e) Students laboratories	:	06
f) Research laboratories	:	01

28. Number of students of the department getting financial assistance from College

• Central Government Scholarship	:	02
• Municipal Corporation Scholarship	:	01
• Merit Scholarship	:	81
• FoF	:	07
• Admission Scholarship	:	76

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology – Yes

- Suggestions from stake holders(students, parents, faculty, alumni and industrial experts)
- Suggestions from experts of higher educational institutions like IITs, IISC are obtained. Further the syllabus of MIT-USA and Stanford University are also consulted
- The curriculum is framed taking into consideration all the above inputs are presented to BOS. The BOS will discuss and send the finalized version to Academic Council for its approval with or without modifications for implementation.

30. Does the department obtain feedback from

- a. **Faculty on curriculum** as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes, feedback from the faculty on the newly framed curriculum is discussed in the department meeting and the finalized version is sent to the Board of Studies meeting. The BOS after finalizing the curriculum will place it before the academic council for approval and implementation

- b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?
Yes

Feedback on Staff:

Online feedback system is maintained as per ISO format and obtained twice in a semester. The obtained feedback can be viewed by the Heads of Departments for counseling the faculty members.

Feedback on Curriculum:

Considered at the Departmental Meeting and suggestions are placed with feedback before the Board of Studies for discussion. The Board of Studies forwards the recommendation to Academic council for approval with all necessary modification.

Feedback on Teaching Learning Evaluation:

Academic Resource Cell of Institute obtains frequent feedback from students on teaching-learning process and the feedback is sent to the HODs for taking necessary action.

- c. Alumni and employers on the programmes and what is the response of the department to the same?

Feedback on programme are obtained from alumni, employers and personnel from Industries are discussed in BOS meeting and their suggestions are included in the agenda for consideration of the academic council.

31. List the distinguished alumni of the department (maximum 10)

S.No	Name of the Alumni	Batch	Current Position	Contact details
1.	Mr.M. Rajivi Prashanth	2013	Instrumentation Engineer	Indian Military Academy, Dehradun.
2.	Mr.Bhaargav P Baile	2013	Lieutenant	Indian Military Academy, Dehradun.
3.	Mr.S. Prabhakaran	2012	Managing Director	Palani Andavar Agro Foods Pvt. Ltd, Namakkal
4.	Ms.C.H Susithra	2013	Managing Director	Susi's School of Creativity, Trichy
5.	Mr.K. Deeban	2012	Executive - Instrumentation	Biocon Limited, Bangalore
6.	Ms.V Rathiararchana	2012	Software Engineer	Alstom Transport India Ltd., Bangalore

S.No	Name of the Alumni	Batch	Current Position	Contact details
7.	Ms.N Bhuvaneshwari Surya	2012	Engineer - Electrical & Instrumentation	Avant-Garde Engineers & Consultancy (P) Ltd., Chennai
8.	Mr.V Lakshmi Narasimhan	2012	Associate Project Engineer	Schweitzer Engineering Laboratories Pvt. Ltd., Bangalore
9.	Ms.K.Kanimozhi	2012	Software Engineer	Robert Bosch, Coimbatore.
10.	Ms.V.N.Grishma	2012	Software Engineer	Payoda Technologies Private Limited. Coimbatore.

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

Special Lectures	:	41
Workshops	:	23
Leader of the week programme	:	23

Total No. of events : 87

33. List the teaching methods adopted by the faculty for different Programmes.

- Creative Learning Methodology
- Layer learning/Learning by doing
- Seminars
- Guest Lectures
- Theory-Practice based learning
- Webinars
- Mini Projects
- Industrial visits, In-plant training

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- a. Review after each periodical test
- b. After each review the remedial action is taken if needed

- c. ISO audit is done twice a year to ensure proper implementation of remedial actions
- d. Non Confirmatory Report is considered by the department and suitable actions are taken
- e. Alumni survey
- f. Employer survey
- g. Exit survey
- h. Placement
- i. Higher education
- j. Entrepreneurship

Feedbacks are received from the above survey and the department ensure that programme objectives are frequently met and learning outcomes are monitored. If modifications are needed, the same will be carried out as per procedure.

34. Highlight the participation of students and faculty in extension activities:

- Participation of students in extension activities
 - ✓ Students take part actively in various clubs and societies including NSS and NCC.
 - ✓ Students are motivated to participate in activities like Swachh Bharath, Blood Donations, and Interacting with Orphans, Tree Plantation and organizing Medical Camps
- Participation of faculty members in extension activities
 - ✓ Faculty Members of the Department are actively involved in the extension activities individually or jointly with other Departments.
 - a. Delivering lectures in other Institutes and Industries
 - b. Consultancy services related to the Society & Industries
 - c. Developing Industry Institution Relationship to identify the gap that exists
 - d. Research activities based on social issues like water, pollution, employment
 - e. Donating funds to orphanage by the department during festivals.
 - f. Frequent visits to various Industries to identify problems.

36. Give details of “beyond syllabus scholarly activities” of the department.

- a. Value Added Courses
- b. Leader of the Week
- c. Guest Lectures
- d. Workshops/Conferences
- e. R&D and consultancy activities
- f. Solving Industry Defined Problems

- g. Seminar Presentation
- h. Students' Association for Co-curricular Activities
- i. One Credit Courses
- j. Self-study Electives
- k. Projects
- l. Industrial Training
- m. Internships

37. State whether the programme / department is accredited / graded by other agencies.

No. (SAR submitted for NBA – Programme Accreditation)

38. Detail any five strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strengths	Weakness	Opportunities	Challenges
<ul style="list-style-type: none"> 100% placement in last four consecutive years Center of excellence in Industrial Automation Consultancy Activities Students enrolment for Higher studies Industry Interaction 	<ul style="list-style-type: none"> So far no collaboration with research organisations/ institutes in India and abroad. Not a recognized Research Centre for Ph.D. by Anna University 	<ul style="list-style-type: none"> Opportunities to work in multi disciplinary stream Laboratory facilities are available for R&D activities. Funding from sponsored agency Better opportunities for faculty and students to engage in professional consultancy services to the industries and government sectors 	<ul style="list-style-type: none"> Placements in core companies. To enhance the consultancy activities Filing of patents Collaboration with foreign Universities

39. Future plans of the department

- ✓ To equip the Centre of excellence lab with sophisticated controllers and instruments to develop a leading training centre in industrial automation.
- ✓ To establish the Centre of Excellence in Virtual Instrumentation.
- ✓ To initiate collaborative programmes with leading Universities and research institutions in India and abroad.
- ✓ Introduction and development of visualization techniques in STEM (Science Technology Engineering & Mathematics) subjects to improve effectiveness in teaching learning process. It will be useful for bridging the gap between knowledge and application.

Evaluative Report of the Department

1. Name of the Department & its year of establishment: Mechanical Engineering; year of establishment: 1996
2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
 - B.E. Mechanical Engineering
 - M.E. Engineering Design
 - M.E. CAD/CAM
 - M.E. Industrial Safety and Engineering
 - Ph.D in Mechanical Engineering

3. Interdisciplinary courses and departments involved:

S.No	Course Offered	Departments Involved
1	'C' Programming	Computer Science and Engineering
2	Electrical Machines and Drives	Electrical and Electronics Engineering
3	Microprocessor and Micro controller	Electronics and Communication Engineering
4	Medical Electronics and Instrumentation	
5	Automotive Electronics	
6	Mechatronics	Mechatronics Engineering
7	Robotics and Automation	Electronics and Instrumentation Engineering
8	Creativity and Innovation	Civil Engineering
9	Engineering Economics	School of Management Studies
10	Bio Fuels	Biotechnology

4. Annual/ semester/choice based credit system:
Semester System with choice based credit system.
5. Participation of the department in the courses offered by other departments:
Yes

S.No	Name of the Department	Interdisciplinary courses offered
1	Mechatronics	Basics of Mechanical Engineering, Design for Manufacture and Assembly, Industrial Engineering, Diagnostic Techniques, Engineering Materials and Metallurgy, Product Design and Costing, Rapid Prototyping, Basics of Mechanical Engineering
2	Aeronautical Engineering	Basics of Mechanical Engineering, Automobile Engineering
3	Textile Engineering	Basics of Mechanical Engineering, Theory of Machines

S.No	Name of the Department	Interdisciplinary courses offered
4	Fashion Technology	Strength of Materials and Theory of Machines
5	Electrical and Electronics Engineering	Basics of Mechanical Engineering, Applied Thermal Engineering, Renewable Energy Sources
6	Electronics and Communication Engineering	Basics of Mechanical Engineering
7	Information Technology	Basics of Mechanical Engineering
8	Computer Science and Engineering	Basics of Mechanical Engineering
9	Automobile Engineering	Engineering Mechanics
10	Electronics and Instrumentation Engineering	Hydraulics and Pneumatics, Automobile Engineering

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

UG:

Category	Sanctioned	Filled
Professors	4	4
Associate Professors	8	8
Asst. Professors	28	28

Total (A) = 40

PG: (3 Programmes)

Category	Sanctioned	Filled
Professors / Associate Professors	0	1
Asst. Professors	9	8

Total (B) = 9

Total Faculty Strength = A + B = **49**

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.)

S. No.	Name of the faculty member	Qualification	Designation	Corresponding specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1.	Dr K Sivakumar	Ph.D.	Professor & Head	Production Engg.	20 years 8 months	08
2.	Dr V Baskaran	Ph.D.	Professor	Mechanical Engg.	24 years 7 months	--

S. No.	Name of the faculty member	Qualification	Designation	Corresponding specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
3.	Dr M Ravikumar	Ph.D.	Professor	Mechanical Engg.	14 years 9 months	--
4.	Dr S Jayalakshmi	Ph.D.	Professor	Materials Engineering	9 years 1 month	--
5.	Prof Leo A Gerald	M.Sc	Professor	Engineering Design	36 years 2 months	--
6.	Mr C Sasikumar*	M.E.	Associate Professor	Engg. Design	19 years 8 months	--
7.	Mr G Senthilkumar*	M.E.	Associate Professor	Production Engg.	13 years 7 months	--
8.	Mr M Sivakumar*	M.E.	Associate Professor	Engg. Design	14 years 10 months	--
9.	Dr T Ramesh Kumar	Ph.D.	Associate Professor	Engg. Design	12 years 3 months	--
10.	Mr M Nandhagopal*	M.E.	Associate Professor	Industrial Engg.	27 years 6 months	--
11.	Dr G Rajamurugan	Ph.D.	Associate Professor	Welding Engg.	11 years 2 months	--
12.	Dr V C Uvaraja	Ph.D.	Associate Professor	Composite Materials	12 years 9 months	--
13.	Dr A Amarkarthik	Ph.D.	Associate Professor	Ocean Wave Energy	10 years 1 month	--
14.	Dr A Megalingam @ Murugan	Ph.D.	Asst.Prof (Sl.Grade)	Machine Design	9 years 1 month	--
15.	Dr S Boopathi	Ph.D.	Asst.Prof (Sl.Grade)	Optimiz. of Manuf. Engg	8 years 4 months	--

S. No.	Name of the faculty member	Qualification	Designation	Corresponding specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
16.	Mr P Sangaravadivel*	M.E.	Asst.Prof (Sr.Grade)	Engg. Design	11 years 4 months	--
17.	Mr P Velmurugan*	M.E.	Asst.Prof (Sr.Grade)	Thermal Engg.	11 years 8 months	--
18.	Mr M Kalil Rahiman*	M.Tech.	Asst.Prof (Sr.Grade)	Design & Produc. of Thermal Power Equip	22 years 1 months	--
19.	Mr A Anandha Moorthy*	M.E.	Asst.Prof (Sr.Grade)	Engg. Design	9 years 4 months	--
20.	Mr E Prakash*	M.E.	Asst.Prof (Sr.Grade)	CAD/CAM	7 years 3 months	--
21.	Mr R Rajiev*	M.E.	Asst.Prof (Sr.Grade)	Production Engg.	6 years 3 months	--
22.	Mr S Maragatha Meenatchi	M.E.	Assistant Professor	Energy Engg.	4 years 2 months	--
23.	Mr M Kumar*	M.E.	Assistant Professor	Engg. Design	3 years 3 months	--
24.	Mr D Dinesh*	M.E.	Assistant Professor	CAD	6 years 7 months	--
25.	Mr P Mathan Kumar*	M.E.	Assistant Professor	Manufact. Engg.	3 years 3 months	--
26.	Mr P Senthilkumar*	M.E.	Assistant Professor	Engg. Design	4 years	--
27.	Mr S Velmurugan*	M.E.	Assistant Professor	CAD/CAM	16 years 7 months	--
28.	Mr C Sathishkumar	M.E.	Assistant Professor	Engg. Design	2 years 4 months	--
29.	Mr M Sureshkumar*	M.E.	Assistant Professor	Engg. Design	2 years 4 months	--
30.	Mr N Santhosh*	M.E.	Assistant Professor	Mechatronics	2 years 4 months	--

S. No.	Name of the faculty member	Qualification	Designation	Corresponding specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
31.	Mr Y Arivu	M.E.	Assistant Professor	Engg. Design	2 years 3 months	--
32.	Mr G Sundarraju*	M.E.	Assistant Professor	Metallurgical Engineering	6 years 2 months	--
33.	Mr A Rama Krishnan	M.E.	Assistant Professor	Engg. Design	1 year 3 months	--
34.	Mr A Sundaramahalingam	M.E.	Assistant Professor	Thermal Engg.	2 years 2 months	--
35.	Mr E Sakthivel Murugan	M.E.	Assistant Professor	Industrial Engg.	1 year 3 months	--
36.	Mr A Tajdeen	M.E.	Assistant Professor	Manufacturing Engg.	1 year 3 months	--
37.	Mr M Arundeeep	M.E.	Assistant Professor	Engg. Design	1 year 3 months	--
38.	Mr C Ayyasamy	M.E.	Assistant Professor	Internal Combustion Engineering	2 years 5 months	--
39.	Mr K Prabhakaran	M.E.	Assistant Professor	Engg. Design	5 months	--
40.	Mr R Selvanayagam	M.E.	Assistant Professor	CAD/CAM	1 year 5 months	--
41.	Mr D Yuvaraj	M.E.	Assistant Professor	CAD/CAM	--	--
42.	Mr K Satheesh Kumar	M.E.	Assistant Professor	Engg. Design	--	--
43.	Mr D Mohanakrishnan	M.E.	Assistant Professor	Engg. Design	5 years 9 months	--
44.	Mr K S Hanumanth Ramji	M.E.	Assistant Professor	Engg. Design	--	--
45.	Mr M Ponmurugan	M.E.	Assistant Professor	Thermal Engineering	5 years 3 months	--
46.	Mr L S Gokul	M.E.	Assistant Professor	Internal Combustion Engineering	--	--

S. No.	Name of the faculty member	Qualification	Designation	Corresponding specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
47.	Mr S Manojkumar	M.E.	Assistant Professor	Industrial Metallurgy	--	--
48.	Mr G Kumarasen	M.E.	Assistant Professor	Thermal Engineering	6 years 6 months	--
49.	Mr G K Lakshmi Narayan	M.E.	Assistant Professor	Lean Manufactur.	3 years 4 months	--

* Pursuing Ph.D.

8. Percentage of classes taken by temporary faculty -programme-wise information: Nil

9. Programme-wise Student-Teacher Ratio:

Programme	Student-Teacher Ratio
B.E. Mechanical Engineering	15:1
M.E. Engineering Design	12:1
M.E. CAD/CAM	12:1
M.E. Industrial Safety and Engineering	12:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Staff	Sanctioned	Filled
Technical	21	21
Administrative	03	03

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

Number of Faculty involved : 02
a) National Agencies : AICTE, New Delhi
b) International Agencies : Nil
c) Total Grants Received : Rs. 127.25 Lakhs
Completed Projects : Rs. 42.38 Lakhs
(Refer Annexure - A)

On-going Projects:

Sl. No	Title of Projects	Faculty	Funding Agency	Project Duration	Grants, Rs in Lakhs
1	Investigation the Performance of Electric Discharge Machine Using CRB2-CU Electrode	Dr K Sivakumar P Mathan Kumar	AICTE, New Delhi	3 Years 2012-2015	20.43
2	Industry Institute Partnership cell (IIPC – Plane Grant)	Dr K Sivakumar	AICTE, New Delhi	2 Years 2012-2014	7.75
3	Industry Institute Partnership cell (IIPC – Plane Grant)	Dr K Sivakumar	AICTE, New Delhi	2 Years 2013-2015	7.55

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received

Total Grants Received : Rs. 49.14 Lakhs

Project Title	Project Duration	Funding Agency	Amount Received (Rs in Lakhs)
Modernization of CNC lab FMS Setup (MODROB)	2 Years 2006-2008	AICTE New Delhi	13.00
Training of Women in CAD & MS- Office Software	2 Years 2006-2008	DSIR New Delhi	7.18
Design and Development of Database and Web portal of Indian Theses in the field of Tech. and Management aspects related to Manufacturing	2 Years 2006-2008	DSIR New Delhi	7.21
Speed Limit Controller for Heavy Vehicles	2 Years 2007-2009	Bannari InfoTech, Cbe	2.50
Research Methods And Tools For Engineering Faculty	2010	AICTE New Delhi	7
Training of women in Desk Top Publishing Package and Accountancy Software Tally	2 years 2009-2011	DSIR New Delhi	4.05
Faculty Development Programme Modeling and Optimization of Manufacturing System using Intelligent Techniques	2012	AICTE New Delhi	7
Multi Objective Evolutionary Optimization Theory & Practice	2012	CSIR, New Delhi	0.3
Applied Design of Experiments for Engineering Applications - Theory & Practice	2012	CSIR, New Delhi	0.3

Project Title	Project Duration	Funding Agency	Amount Received (Rs in Lakhs)
Emerging Research and Advances in Composite Materials	2013	CSIR, New Delhi	0.3
Mastering Dissertation/Thesis/Paper Writing	2013	CSIR, New Delhi	0.3
TOTAL			49.14

13. Research facility / centre with
- State recognition - Anna University, Chennai
 - National recognition - Funds for Research Projects are received from DSIR, CSIR& DRDO

14. Publications:
- Number of papers published in peer reviewed journals:
National: 07 & International: 69
 - Monographs - 1 (Engineering Graphics)
 - Number listed in International Database - 51
 - Citation Index – range / average;- 05 to 128; 32.42 (Google Scholar)
 - SNIP – Range/Average:- Min:-, Max: 1.979, Average: 1.979
 - SJR – Range / Average:- Min: 0.16, Max: 1.544, Average: 0.54
 - Impact factor – range / average: Min:0.454 Max: 2.793 Average: 1.240
 - h-index : Min – 1; Max - 6
- (Refer Annexure -B)**

15. Details of patents and income generated
- a) Prof A. Amarkarthik received a Patent Granted titled “Multi Float Wave Energy Converter” by Indian Patent Office. Patent Number: 253757.

16. Areas of consultancy and income generated

S.No	Area of Consultancy	Income Generated (Rs)
1	Testing of calorific value of Fuel samples	--
2	Measurement of Surface Roughness of Machined Work Pieces	10,000/-
3	Speed Limiter projects	2,00,000/-
4	Pencil defect detection using Image processing	4,50,000/-
5	Design and development of capacitance based fuel level sensor	2,00,000/-
6	Design and Development of colour lead double extrusion Cylinder Nozzle	25,000/-

17. Faculty recharging strategies

- External experts are invited to give lectures on research oriented, Industry oriented and Society oriented problems and on topics related to emerging areas.
- Faculty members are given training based on Bloom's taxonomy way of teaching.
- Faculty members are deputed to undergo Industrial Training to know about the contemporary practices in industry and offer consultancy for minor problems, and get as sponsored project the major areas.
- Faculty members are deputed to participate in Faculty Development Programmes(FDP) conducted by other institutions and external agencies.
- Faculty members are provided with Seed Money up to a tune of 10 Lakhs for carrying out the research work

18. Student projects

- Percentage of students who have done in-house projects including inter-departmental - **20 %**
- Percentage of students doing projects in collaboration with industries / institutes - **80 %**

19. Awards / recognitions received at the national and international level by

- Faculty : 04
- Students : 38

(Refer Annexure - C)

20. Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of outstanding participants, if any.

(Refer Annexure- D)

Seminar	:	10
Conference	:	21
Workshops	:	10

21. Student profile course-wise:

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.E. Mechanical (2012-2013)	171	129	-	89.9	-
B.E. Mechanical (2011-2012)	194	146	-	95.2	-
B.E. Mechanical (2010-2011)	106	61	-	91.8	-
M.E. (Engg Design) (2012-2013)	24	17	-	100	-
M.E. (Engg Design) (2011-2012)	18	14	1	100	100
M.E. (Engg Design) (2010-2011)	19	18	-	100	-
M.E. (CAD/CAM) (2012-2013)	19	13	-	100	-
M.E. (CAD/CAM) (2011-2012)	5	5	-	100	-

22. Diversity of Students:

Name of the Course (refer question no. 2)	%of students from the college	% of students from the state	% of students from other States	% of students from other countries
B.E (Mechanical)	Nil	98.85	1.15	--
M.E(Engg Design)	2.94	97.06	Nil	--
M.E (CAD/CAM)	Nil	100	Nil	--
M.E (Industrial Safety & Engineering)	7.69	92.31	NA	NA

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

S. No	Year	GATE/GRE/TOFEL/SLET/NET/CAT		No. of Students
		GATE	GRE	
1.	2013-14	3	-	3
2.	2012-13	2	-	2
3.	2011-12	2	7	9
4.	2010-11	2	2	4
5.	2009-10	3	1	4

24. Student progression

Student progression	Percentage against enrolled
UG to PG	5.88
PG to M.Phil.	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed	
• Campus selection	92.11
• Other than campus recruitment	7.89
Entrepreneurs	--

25. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	28
from other universities within the State	65
from other universities from other States	07

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: Ph.D - 08

S.No	Name of the candidate	Year of award
1.	M. Ravikumar	2012
2.	S.Jegadheeswaran	2012

S.No	Name of the candidate	Year of award
3.	G.Rajamurugan	2013
4.	A.Megalingam	2013
5.	V.C. Uvaraja	2013
6.	A. Amarkarthik	2013
7.	S. Boopathi	2013
8.	T.Ramesh Kumar	2014

27. Present details about infrastructural facilities

- a) Dept Library: 1594 volumes and 34 National Journal and 8 International Journal are available (As per mandatory subscription of e-journal packages(6000) for all Engineering Institutions conducting UG/PG courses by AICTE).
- b) Internet facilities for staff and students
 - Provided computing facility to all teaching staffs with Internet connectivity (100 Mbps)
 - Computer Laboratory is available with 120 workstation and Internet connection
- c) Total number of classrooms : 22
- d) Classrooms with ICT facility : 22
- e) Students laboratories : 17
- f) Research laboratories : 02

28. Number of students of the department getting financial assistance from College: 27

- Friend of Friendless : 12
- Admission Scholarship : 15

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

Yes,

- a. Opinions and suggestions from Employers, Alumni and Industries are obtained.
- b. Referring to Programmes offered by MIT (USA), Stanford University and interaction with professors of IITs, NITs and Research Centers.
- c. All the inputs given by stakeholders are placed in the BOS. These suggestions are considered when framing the curriculum and syllabi for a new programme and are placed before Academic Council for approval with or without modification.

30. Does the department obtain feedback from

- a. **Faculty on curriculum** as well as teaching-learning-evaluation? If yes, how does the department utilize it?
Yes, feedback from faculty is obtained from faculty on the curriculum as

well as teaching learning evaluation and modified if necessary after due discussion in the Board of Studies Meeting. These suggestions forwarded to academic council for approval with or without modification for implementation. Feed back on teaching learning process is discussed in departmental meetings and then suitable remedial actions are taken if necessary.

- b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Feedback on Staff:

An online feedback system is maintained as per ISO format and obtained twice in a semester. The obtained feedback is available to Heads of Departments for counseling of faculty members. The feedback is also incorporated in updating the 7 points performance indicator for staff evaluation

Feedback on Curriculum:

Considered at the Departmental Meeting and suggestions are placed with feedback before the Board of Studies for discussion. The Board of Studies forwards the recommendation to Academic Council for approval with or without modification for implementation.

Feedback on Teaching Learning Evaluation:

Regular feedback from students on teaching-learning process is obtained and the same discussed in the departmental meeting and then suitable remedial actions are taken if necessary.

- c. Alumni and employers on the programmes and what is the response of the department to the same?

Feedback on programme are obtained from alumni, employers and personnel from Industries before the conduct of Board of Studies meeting and their suggestions are included in the agenda for consideration.

31. List the distinguished alumni of the department (Maximum 10)

S.No	Name of the Alumni	Batch	Current Position	Contact details
1	M Saravanakumar	2000	Project Manager	Robert Bosch Engineering and Business Solutions Ltd., CHIL-SEZ, Coimbatore
2	Jacob John	2000	Vice President	Fetterolf Corporation, USA
3	L Krishnakumar	2001	Manager (R&D)	BEML Ltd., New Thippasandra Po, Bangalore
4	S Arun Kumar	2002	Lieutenant Commander	Ship Building Engineering and Construction
5	Sundara Krishnan	2003	Engineering/ Technology Program Leader	GE Power & Water , Georgia, USA

S.No	Name of the Alumni	Batch	Current Position	Contact details
6	Atith Kotcherlakota	2004	Engineer - Flight Deck & Furnishing at	Gulfstream Aerospace, USA
7	T Pradeep	2006	Senior Engineer	Maxsoft (India Pvt. Ltd.), Service Road, Banagalore
8	Rameshprabhu Selvaraj	2007	Senior Inspection Engineer - Technical Assurance ,	GI Garrad Hassan , Norway
9	K Karthikeyan	2008	Maintenance and Service	BHEL, Trichy
10	Rohith Ravichandran	2014	Executive Trainee	BrahMos Aerospace

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts. **(Refer Annexure - E)**

Special Lecture	:	84
Workshops	:	22
Seminars	:	11

33. List the teaching methods adopted by the faculty for different programmes.

- Creative Learning Methodology
- Layer learning / Learning by doing
- Conducting tutorials for analytical subjects
- Training at Industries on subject concepts
- Final year student are motivated to take up Industry oriented projects
- Interactive sessions with invited resource persons
- Wall charts and models are used in all the laboratories and workshops
- Paper presentation and active participations in seminars

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- a. Three periodical exams are conducted prior to the end semester examination to continuously monitor the learning depth of students
- b. Mini projects, participation in seminar and presentation of papers are made mandatory to check and analyze the learning outcome
- c. Mock interviews and group discussions are organized to the pre-final year and final year students to measure their performance
- d. Performance indicators of students and faculty are defined and reviewed constantly after each periodical test. After review the remedial action taken.

- e. As per ISO 9000 periodic auditing by internal and external audit teams is done twice a year. The report is considered by the department and suitable action is taken to set right any deficiencies.
35. Highlight the participation of students and faculty in extension activities.

Students:

 - Students participated in activities such as Swacch Bharath, Blood Donation, Interacting with Orphans, Tree Plantation and organizing Medical Camps under NSS and NCC schemes.

Staff:

 - Conducted Women Developmental activities such as Basic Computer Training, Tally Software to the Rural Women.
 - Faculty members are doing consultancy service and research on social issue like Energy, Pollution and Employment.
36. Give details of “beyond syllabus scholarly activities” of the department.
 - a. One credit courses to the interested students
 - b. Project learning / Layer learning
 - c. Special courses based on industrial need
 - d. Self study electives
 - e. Value added courses beyond office hours
 - f. National conferences
 - g. Student project contests
 - h. Paper presentation
 - i. Contest for industry defined problems
 - j. Industry internships in India and Abroad to know about contemporary industrial practices
 - k. Industrial visits are arranged for both students and faculty to learn contemporary industrial practices in order to identify small problems for consultancy and big problems for sponsored projects
 - l. Mini projects
 - m. Technical seminars
 - n. Open house exhibitions
37. State whether the programme/ department is accredited/ graded by other agencies. Give details.
 - B.E Mechanical Engineering has been accredited for five years by NBA with effect from 2013

File No. 33-30/2010-NBA Dated: 29th Jan 2013

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strength	Weakness	Opportunities	Challenge
<ul style="list-style-type: none"> • Research centre with Qualified faculty members with 10 PhD holders and 19 Pursuing PhD • State of the art research facilities and centre of excellence in Industrial Automation and New product Development • Received research funding of Rs 119 Lakhs from various agencies • Department – Industry Relations with surrounding industries • Accredited by NBA for five years 	<ul style="list-style-type: none"> • Insufficient publications in high impact factor journals • Poor core company placements • No MOU with Fortune companies 	<ul style="list-style-type: none"> • Having 240 student intake • Managed by Industrial Group • Higher number of faculty members with higher qualifications • Department recognized as research centre • Institute located near a Sugar Industry and students get enormous scope in experiencing real mechanical working principles 	<ul style="list-style-type: none"> • Getting placement in core Industries • Most of the admitted students are with rural background • Retention of faculty members • To attract large scale industries and MNCs

39. Future plans of the department

1. Establishing Centre of Excellence in 3D printing with CAD/CAM.
2. Introduction and development of visualization techniques in STEM (Science Technology Engineering and Mathematics) subjects to improve effectiveness in the teaching-learning process. It will be useful for bridging the gap between knowledge and application.

Annexure – A

Project Title	Project Duration	Funding Agency	Amount Received (Lakhs)
Development of Aluminum Matrix composite brake drum for automotive applications	2 Years 2008-2010	AICTE New Delhi	9.95
Studies on the wear Behavior of Squeeze cast Al/SiC Composites sliding against automobiles Precision Material	1 Year 2009-2010	DRDO New Delhi	3.73
Remote Analyses of EDM performance	3 Years 2009-2012	AICTE New Delhi	10
Establishment of Bio-Fuel R&D centre at BIT project partner BASL	5 years 2009-2014	AICTE New Delhi	0.4
Design and Development and Testing of Novel Double Acting Power take off system for Ocean Wave Energy Conversion	2 years 2010-2012	AICTE New Delhi	8.3
Investigation of Wire Electrode Vibration of Dry wire cut Electrical Discharge Machine	2 years 2011-13	AICTE New Delhi	10
TOTAL			42.38

Annexure - B

LIST OF PUBLICATIONS BY THE FACULTY MEMBERS

(a) Books / Monographs:

Dr V Baskaran, "Engineering Mechanics", 2012

(b) Papers published in National / International Refereed Journals (for the last 5 years)

1. K. Sivakumar, "Optimization of Machining Parameters of EDM while Machining Inconel 718 for Tolerance and Orientation Tolerance" Indian Journal of Engineering and Materials Sciences (Vol.20), pp.391-397
2. "Optimal tolerance design for mechanical assembly considering thermal impact", Published in The International Journal of Advanced Manufacturing Technology (2014): 1-15
3. "Optimal geometric tolerance design framework for rigid parts with assembly function requirements using evolutionary algorithms", Published in The International Journal of Advanced Manufacturing Technology (2014): 1-18
4. "Tribological studies on Nano - CaCO₃ additive mixed lubricant", Published in Journal of Mechanical and Civil Engineering (IOSR)2014, PP68-74.
5. "Study of water assisted dry wire - cut electrical discharge machining", Published in Indian Journal of Engineering and Materials Sciences Vol.21, February 2014 pp.75-82
6. K. Sivakumar, "Analysis of form tolerances in Electrical Discharge Machining Process for inconel 718 and 625", Materials and Manufacturing processes (Accepted for publications)
7. K. Sivakumar, "Optimization of EDM Process Parameters with Multiple Performance Characteristics for Titanium Grades" published in European Journal of Scientific Research, ISSN 1450-216X Vol.68, No.3(2012), pp.297-305.
8. K. Sivakumar, "Experimental Comparative study of Near - Dry wire cut Electrical Discharge machining (WEDM)", published in European Journal of Scientific Research, Vol.75, No.4 (2012), PP.472-481.
9. K. Sivakumar, "A Numerical Study on effect of temperature and inertia on tolerance design of mechanical assembly", published on Engineering Computations International Journal for Computer - Aided Engineering and Software, Vol.29, No.7, 2012, pp.722-742.
10. K. Sivakumar, "Tolerance Design of Mechanical Assembly using NSGA II and Finite Element Analysis" published in Journal of Mechanical Science and Technology, (26) (10) (2012) 3261 ~3268. DOI 10.1007/s12206-012-0811

11. K. Sivakumar, "Selection of Machining Datum and Allocation of Tolerance through Tolerance Charting Technique", Chinese Journal of Mechanical Engineering (English Edition), Vol.25, No.4, pp.697-705, 2012.
12. K. Sivakumar, "Optimal selection of machining datum and machining tolerance allocation through tolerance charting", The International Journal of Manufacturing Technology and Management, Vol. 25, No. 1/2/3, pp.135-160, 2012.
13. K. Sivakumar, FEA compliant parametric tolerance allocation of mechanical assembly using neural network and differential evolution algorithm, International Journal of Computer Integrated Manufacturing, Volume 25, Issue 7, 2012
14. K.Sivakumar, "Allocation Of Optimal Tolerances In A Mechanical Assembly Using DE and NSGA- II", International Journal Of Computer Application In Technology, Vol 37, 2010, pp 48-58
15. K.Sivakumar, "Evolutionary Sensitivity-Based Conceptual Design And Tolerance Allocation For Mechanical Assemblies" International Journal Of Advance Manufacturing Technology, vol 48, 2010, pp 307-324
16. K.Sivakumar, "Genetic Algorithm Based Deformation Control And Clamping Force Optimization Of Work Piece Fixture System" International Journal Of Production Research, 2010, pp 1-33
17. K.Sivakumar, "Evolutionary Concurrent Multi Objective Optimal Tolerance Allocation And Alternative Manufacturing Process Selection For Mechanical Assemblies", Intern Journal Of Mechatronics & Intelligent Manufacturing, Vol 1, 2010, pp 75-94
18. K.Sivakumar, "Simultaneous Optimal Selection Of Design And Manufacturing Tolerances With Alternative Manufacturing Process Selection", International Journal Of Computer Aided Design, 2010, pp 207-218
19. K.Sivakumar, "Parametric Tolerance Analysis Of Mechanical Assembly By Developing Direct Constraint Model In CAD And Cost Competent Tolerance Synthesis" Intelligent Control And Automation, 2010, pp 1-14
20. K.Sivakumar, "Parametric Tolerance Analysis Of Mechanical Assembly Using FEA And Cost Competent Tolerance Synthesis Using Neural Network", J.Software Engineering & Applications, 2010, DOI 10.4236/JSEA.2010.3.12134
21. Suresh Kumar,M., MohanaPriya M., Sathish Kumar,C.and Baskaran, V. "Surface Roughness optimization of Metal Matrix Composite Using Taguchi Technique", International Journal of Engineering Research & Technology(IJERT) ISSN:2278-0181, Vol2,(3),2013.
22. K.L.Senthilkumar, "Selection Of Optimum Parameters In Non Conventional Machining Of Metal Matrix Composite" Portugaliae Electrochemica ACTA, 2009, pp 4

23. K.L.Senthilkumar, "Optimization Of Machining Process In Machining Particulate Reinforced Aluminium Matrix Composite" *Manufacturing Technology Today*, Vol 8, 2009, pp 9
24. Ravikumar, M., Arjun Haridas. and Uvaraja, V.C. "Metallographic Examinations And Wear Analysis of Aluminium Metal Matrix Composites" *International journal of innovative research and development*, Vol. 2, No. 3, pp. 650-659, 2013.
25. Ravikumar, M and Srinivasan PSS, "Heat transfer analysis in PCM filled RCC roof for thermal management" *Journal of mechanical science and technology*, 2013, accepted for publication.
26. Ravikumar, M. and Srinivasan, PSS, "Heat Transfer Analysis in PCM Filled RCC Roof for Thermal Management", *ARPJ Journal of Engineering and Applied Sciences*, Vol. 7, No. 1, pp. 32-38, 2012.
27. Ravikumar, M and Srinivasan PSS, "Analysis of heat transfer across PCM filled RCC roof for Thermal Management", *Journal of Mechanic Engineering Science*, Vol 226, Issue 12, 2012, pp. 2933-2940.
28. Ravikumar, M and Srinivasan PSS, "Analysis of Heat Transfer across Building Roof with Phase Change materials", *Journal of Computational Information Systems*, Vol. 8, No.4, 2012, pp.1497-1505.
29. G Senthil Kumar, K Balamurugan, P Karthi, R Karthi and S Karuppusamy, "Wear and Emission Studies on Pungam Methyl Ester Blended with 2T Lubricating Oil", *Indian Journal of Engineering Science and Technology (IJEST)*, Volume 7 (1), 2013, pp 9-15.
30. G Senthil Kumar, K Balamurugan, S Vinu, M Radhakrishnan and G Senthil Prabhu, "Tribological and emission studies on two stroke petrol engine lubricated with sunflower methyl ester ", *Journal of Scientific and Industrial Research (JSIR)*, Volume 2012, pp 562 - 565.
31. S Jegadheeswaran, SD Pohekar and T Kousksou, "Investigations on thermal storage systems containing micron-sized conducting particles dispersed in a phase change material", *Materials for Renewable and Sustainable Energy*, Volume 1(1), 2012, pp 1-16.
32. T Kousksou, A Jamil, A Arid, S Jegadheeswaran and Y Zeraouli, "Crystallisation kinetics with nucleation phenomenon: ice slurry system", *International Journal of Refrigeration*, Volume 35 (7), 2012, pp 1921-1930.
33. A Arid, T Kousksou, S Jegadheeswaran S, A Jamil and Y Zeraouli, "Numerical simulation of ice melting near the density inversion point under periodic boundary condition", *FDMP: Fluid Dynamics & Materials Processing*, Volume 8 (3), 2012, pp 257-275.
34. S Jegadheeswaran, SD Pohekar and T Kousksou, "Conductivity particles dispersed organic and inorganic phase change materials for solar energy storage-an exergy based comparative evaluation", *Energy Procedia*, Volume 14(1), 2012, pp 643-648.

35. T Ramesh Kumar and I Rajendran, "Mechanical and Tribological Properties on Al-Sn-Si alloy Based Plain Bearing Material" International Journal of Tribology Transactions, Taylor & Francis, Vol. 56, No.2, 2013, pp 268-274.
36. T Ramesh Kumar and I Rajendran, "Mass loss prediction of newly developed aluminium-based alloys using artificial neural network" International Journal of Neural Network World, Czech Technical University in Prague, Vol. 24, No.2, 2014, pp 129-142
37. T Rameshkumar, "Investigation On The Mechanical And Tribological Properties Of Aluminium-Tin Based Plain Bearing Material" Journal of Serbian Tribology Society, Vol.32, No.2, 2010, pp 3-10
38. T.Ramesh Kumar, "Mechanical And Tribological Properties Of Aluminium-Based Plain Bearing Material Under Lubricated Condition" Convergence In Engg, Technology And Science, vol 1, 2009, pp 9-16
39. G. Rajamurugan, "Effect of Process Parameters on Friction Stir Welding of Dissimilar Al6061 and Al7075" Recent trends in Mechanical Engineering". Trichy. 2014.
40. G.Rajamurugan and P.K. Ghosh., Thermal And Metallurgical Behaviour Of Dissimilar Weld Deposition Of Stainless Steel On Hsla Steel Under Controlled Pulsed Current Gmaw.. IWS, Mumbai, October 2012.
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National Conference:

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3. C.Sasikumar, A.Sabari Gowtham K.Sathish Kumar, R.Yoganantham "Introducing automation concept for Idler pin pressing proces" Eighth National conference on Optimization Techniques in Engineering Sciences & Technology (OPTEST 2013) Presented at Department of mechanical Engineering, BIT, sathyamangalam on 19-20 April 2013.
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34. A Anandha Moorthy, M Manojkumar, M Suresh, M Sivakumar "Microstructure and Tribological Behaviour of Aluminium Alloy Based Self Lubricating Hybrid Metal Matrix Composite for High Temperature Applications" Eighth National conference on Optimization Techniques in Engineering Sciences & Technology (OPTTEST 2013) Presented at Department of mechanical Engineering, BIT, Sathyamangalam on 19th and 20th April 2013.
35. A Anandha Moorthy, M Nandhagopal, M Suresh M Manojkumar, M Sivakumar "Tribological Performance of an Aluminium 2218 Based Hybrid Metal Matrix Composites Produced by Stir Casting" Eighth National conference on Optimization Techniques in Engineering Sciences & Technology (OPTTEST 2013) Presented at Department of mechanical Engineering, BIT, Sathyamangalam on 19th and 20th April 2013.

36. A Anandha Moorthy, M Sivakumar, M Manojkumar, M Suresh "Effect of Addition of Fly ash Particulates on the Wear Behaviour in Alluminium - Fly ash - Graphite Composites" Eighth National conference on Optimization Techniques in Engineering Sciences & Technology (OPTEST 2013) Presented at Department of mechanical Engineering, BIT, Sathyamangalam on 19th and 20th April 2013.
37. A.Anandhamoorthy, M.Elango "Dry sliding wear and Mechanical Behavior of Aluminium/Flyash /Graphite Hybrid Metal Matrix Composite Using Taguchi Method" Seventh National Conference on Optimization Techniques in Engineering Sciences & Technology (OPTEST 2012) Presented at Department of Mechanical Engineering, BIT, Sathyamangalam, April 2012.
38. M Thirumalai Muthu kumaran, E Prakash, "Vibration analysis of angular contact ball bearing operated with copper oxide nanoparticle mixed ISO VG 68 lubricating oil", National conference Optimization Techniques in Engineering Sciences and Technologies(OPTEST 2013), 19-20 April 2013, Department of Mechanical Engineering, Bannari Amman Institute of Technology, Sathy, pp
39. S Ganapathy, E Prakash, "Reduction of vibration in ball bearing using CuO nanoparticle mixed lithium grease - an experimental research", National conference Optimization Techniques in Engineering Sciences and Technologies(OPTEST 2013), 19-20 April 2013, Department of Mechanical Engineering, Bannari Amman Institute of Technology, Sathy, pp
40. M Mohan kumar, T Gopinath, Gokulaprasad, E Prakash, "Investigation on mechanical behavior of wood flour filled natural fibre hybrid polyester matrix composites" National conference Optimization Techniques in Engineering Sciences and Technologies(OPTEST 2012), 20-21 April 2012, Department of Mechanical Engineering, Bannari Amman Institute of Technology, Sathy, pp 56.
41. C Setnilkumar, M Prakash, E Prakash Dr K Sivakumar"Experimental Investigations on Finding Ball Bearings Defects using Signature Analysis", National conference Optimization Techniques in Engineering Sciences and Technologies(OPTEST 2012), 20-21 April 2012, Department of Mechanical Engineering, Bannari Amman Institute of Technology, Sathy, pp 41.
42. R.Rajiev, "Investigations of Insert die service life in hot forging process using 3D DEFORM software" OPTEST 2013, Bannari Amman Institute of Techn., April 2013.
43. R.Rajiev, "Investigations of Pan Head Bolt Component die service life in hot forging process using 3D DEFORM software" OPTEST 2013, Bannari Amman Institute of Technology, April 2013
44. R.Rajiev,Srinivasan, "Investigations of finite element analysis on hot forging dies" OPTEST 2012, Bannari Amman Institute of Technology, April 2012.
45. M.Natrayan, M.Sengottuvelan, V.C.Uvaraja, "Comparison of Two Unique reinforcement materials with Al-6061 Alloy produced by Stir Casting

- Method" National Conference on Optimization Techniques in Engineering Sciences and Technologies (OPTTEST 2013) Presented at Bannari Amman Institute of Technology, Sathyamangalam on 19th and 2th April 2013
46. R.Gnanasekar, M.Sengottuvelan, V.C.Uvaraja, "Mechanical and Tribological Properties of Al-6061 Metal, Reinforcement of SiC and Al₂O₃ by Using Stir Casting Method" National Conference on Optimization Techniques in Engineering Sciences and Technologies (OPTTEST 2013) Presented at Bannari Amman Institute of Technology, Sathyamangalam on 19th and 2th April 2013
 47. R.Ponnsuriyan, S.Mohankumar, N.Praveenraj, D.Navinkumar, M.Nagaraja "Power production using diary waste", Proceedings of the National Conference on OPTTEST (April 2013), Department of Mechanical Engineering, BIT Sathy, pp. 213.
 48. S.Naveen, TP.Naresh, V.Praveen, M.I.M.Salahudheen, M.Nagaraja "Application of nanotechnology in enhancing solar pv cells", Proceedings of the National Conference on OPTTEST (April 2013), Department of Mechanical Engineering, BIT Sathy pp.130.
 49. Nagaraja Mohan, M.Naren aurobindo kumar , B.Raghu , R.Aadityaraj and M.Deepak kumar, "Plastic waste as an alternate fuel" , Proceedings of the National Conference on "Optimization techniques in Engineering Sciences and Technologies (OPTTEST)"(April 2012), Department of Mechanical Engineering, BIT Sathy, pp.197.
 50. Nagaraja Mohan, J.Sundareswaran, R.Vaishnao Raj, A.Vignesh Kumaran and M.Vetrivel "An alternate source of energy using Floating solar chimney", Proceedings of the National Conference on OPTTEST (April 2012), Department of Mechanical Engineering, BIT Sathy, pp.86.
 51. Nagaraja Mohan, B.L.Nandhini Meenal, N.Beena,G.V.Hemappriyaa and R.Jisha, "Optimization of Water Using Wireless Sensor Network (WSN)" , Proceedings of the National Conference on OPTTEST (April 2012), Department of Mechanical Engineering, BIT Sathy, pp.111.
 52. Nagaraja Mohan, A.Kheerthighiri , V.Vinesh Raja , V.Naveenraj , S.Ramkumar and M.RamKumar, "Harness Solar Power to Power Electric Car", Proceedings of the National Conference on OPTTEST (April 2012), Department of Mechanical Engineering, BIT Sathy, pp.116.
 53. Nagaraja Mohan, P.E.Kaushik, S.Mahesh Kumar, R.Harene and R.Greeshma, "Power optimization in laptops using green energy", Proceedings of the National Conference on OPTTEST (April 2012), Department of Mechanical Engineering, BIT Sathy, pp.80.
 54. Nagaraja Mohan, S.Prasanth, V.Rahulraj, E.Sekar and K.Santhosh, "Solar powered autonomous aquabots-to clean oil spill", Proceedings of the National Conference on OPTTEST (April 2012), Department of Mechanical Engineering, BIT Sathy, pp.81.
 55. Nagaraja Mohan, A.Arshad Aaqib , M.Mohamed Ibrahim , M. Malar vizhi and M.Fathima "Optimizing a solar air conditioning system" , Proceedings

- of the National Conference on OPTEST (April 2012), Dept.of Mech. Engg., BIT Sathy, pp.83.
56. Nagaraja Mohan, Dr.R.Sundaresan, R.Dinesh Kumar and R.Manikandan "Energy From Groundnut shell for Rural Electrification" , Proceedings of National Conference on Recent Advances and innovations in Mechanical Engineering (RAIME) held at Arulmigu Meenakshi Amman College of Engineering (AMACE) on 7-8th August 2012, pp.16
 57. Nagaraja Mohan, J.Sundareswaran, R.Vaishnaoraj, A.Vignesh kumaran and M.Vetrivel , "Renewable source of Power generation using floating solar chimney" , Proceedings of National Conference on RAIME held at AMACE on 7-8th August 2012, pp.24.
 58. Nagaraja Mohan, A.Vadivel, A.Hariprasad, V.Arun and P.Mohanasundaram, "Hydrogen Powered Engine", Proceedings of National Conference on RAIME held at AMACE on 7-8th August 2012, pp.28.
 59. Nagaraja Mohan, A.Kheerthighiri , V.Vinesh Raja , V.Naveenraj and S.Ramkumar, "Solar Car integrated with MPPT Algorithm for efficient energy conversion", Proceedings of National Conference on Recent Advances and innovations in Mechanical Engineering held at AMACE on 7-8th August 2012, pp.15.
 60. R.Dinesh Kumar, R. Manikandan, M.Nagaraja, S. Maragatha Meenatchi, Dr.R.Sundaresan, "A Study on Pyrolysis and Gasification Technology for Of f-grid Rural Electrification using Agricultural Residues" , Published In: Proceedings of the Students' Chemical Engineering Congress (SCHEMCON-2012), BITS Pilani, Rajasthan, (September. 21-22 , 2012), pp 92.
 61. Prasanth. S, Rahul Raj.V, M.Nagaraja, "Cleaning and Confinement of Oil Spills by Using Solar Power Autonomous Aquabots", Published In: Proceedings of the SCHEMCON-2012, BITS Pilani, Rajasthan, (September. 21-22, 2012), pp 61.
 62. Hari Prasad. S, Arun.V, Manikandan.K, Vadivel.A, M.Nagaraja, "Self Electrolysis Power Generating Hydrogen Engine", Published In: Proceedings of the SCHEMCON, BITS Pilani, Rajasthan, (September. 21-22, 2012), pp 116.
 63. M.Naren Aurobindo Kumar, M.Nagaraja, B.Raghu, A.Kheerthighiri, Adityaraj, "Catalytic Degradation of Plastic Wastes-A Key Route to Plastic Free Environment", Published In: Proceedings of the SCHEMCON, BITS Pilani, Rajasthan, (September. 21-22, 2012), pp 206.
 64. V Prabukumar., Published a paper entitled as "A Review on Ocean Energy Technology" in the eighth national conference on Optimization Techniques in Engineering sciences and Technologies (OPTEST 2013) at Bannari Amman Institute of Technology.
 65. V Prabukumar., Published a paper entitled as "Comparative study of Near wire electrical discharge machining with wet WEDM" in the eighth national

- conference on Optimization Techniques in Engineering sciences and Technologies (OPTEST 2013) at Bannari Amman Institute of Technology.
66. V Prabukumar., Published a paper entitled as "Experimental Investigation of Near dry WEDM and its process parameter optimization using Simple Genetic Algorithm" in the eighth national conference on Optimization Techniques in Engineering sciences and Technologies (OPTEST 2013) at Bannari Amman Institute of Technology.
 67. Sureshkumar M., "Microstructure and mechanical properties of aluminium alloy by cryo rolling" - 7th national level conference on OPTEST - 2012 during April 18-19 at Bannari Amman Institute of Technology, Sathyamangalam.
 68. N.Santhosh. and S.Ramesh. "Design of integrated grippers for robotic pick and place". OPTEST'13.Bannari Amman Institute of Technology, April 19 & 20, 2013.
 69. N.Santhosh, P.Ganesh. Determination of material parameters at elevated temperature for AA6061-T6 alloy sheets at constant and varying pressure. Incrame '12, Dr.M.G.R University, April 19& 20, 2012.
 70. Arivu Y., Uvaraja V. C. "Wear Studies on Metal Matrix Composite using Taguchi Technique" paper presented in 7th National level conference on OPTEST-2012 during 20-21 April-2012 at Bannari Amman Institute of Technology, Sathyamangalam.
 71. HariChealvan S, Ramesh Babu A & Giriraj B, " Design and Development of Ferrous Particle Flow Detector using Electromagnetic Principle " in the National Conference on Emerging Trends in CAD/CAM/CIM (ETCCC) at PSG College of Technology, Coimbatore.
 72. C.Sasikumar, K Balamurugan, A Ramakrishnan and R Arunkumar "Experimental emission and tribological studied of Jatropa methyl ester with nano copper additives blend with two stroke engine oil" Eighth National conference on Optimization Techniques in Engineering Sciences & Technology (OPTEST 2013) Presented at Department of mechanical Engineering, BIT, Sathyamangalam on 19-20 April 2013.
 73. C.Sasikumar, K Balamurugan, R Arunkumar and A Ramakrishnan "Production of Jatrophs methyl ester optimized Alkaline catalyzed methonolysis" Eighth National conference on Optimization Techniques in Engineering Sciences & Technology (OPTEST 2013) Presented at Department of Mechanical Engineering, BIT, sathyamangalam on 19-20 April 2013.
 74. Ramakrishnan A&V.C Uvaraja "wear studies on metal matrix composite using Taguchi Technique" seventh national conference on optimization techniques in engineering Sciences & Technology (OPTEST 2012) Presented at Department of mechanical Engineering, BIT, sathyamangalam.
 75. Sundaramahalingam, A. and Karuppasamy, K, "Synthesis of Biodiesel from Castor Oil and its Combustion Studies in Diesel Engine", Optest'13 Bannari Amman Institute of Technology, April 19 & 20, 2013, pp: 301-308.

76. SakthivelMurugan. E. "Study and Analysis of Foraging Behavior of Multi Robot Systems", Electron'13, Velalar College of Engineering and Technology, Erode.
77. SakthivelMurugan. E and Sudhakar.V, "Rapid Prototyping", Techtalk Competition, Kongu Engineering College, Perundurai, Erode.
78. Tajdeen A & Prof .V.Sritharan " Optimization Of Surface Roughness Of EN24 Steel In Turning Operation Using Genetic Algorithm" in the second National Conference on Latest Techniques In Mechanical Engineering (LTIME-13) at K. Ramakrishnan college of Engineering, Tiruchirapalli.
79. Tajdeen A & Prof .V.Sritharan "Optimization Of Surface Roughness Of EN24 Steel In Turning Operation Using Genetic Algorithm" in National Conference on Emerging Trends In Design & Manufact (ETDM-13) at Hindusthan Institute of Techn, Coimbatore.
80. Arundeeep M & Prof V.Sritharan " Optimization Of Surface Roughness Of EN24 Steel In Turning Operation Using Genetic Algorithm" in the second National Conference on Latest Techniques In Mechanical Engineering (LTIME-13) at K.Ramakrishnan college of Engineering, Tiruchirappalli.

(e) Theses: Nil

(f) Any Other Specify: Nil

Annexure - C

FACULTY / STUDENTS ACHIEVEMENTS

Faculty Awards

1. Dr M Ravikumar received a “Best Faculty Advisor” from ISTE, New Delhi during 2012.
2. Dr. V.C.Uvaraja received a “TNSCST- Young Scientist Fellowship” from TamilNadu State Council for Science and Technology, Chennai, during Apr. 2013.
3. Dr A.Amarkarthik received “ISTE – SGSITS National Award for best research work done by Young Teachers for the year 2013” in the Indian society for Technical Education (ISTE), 43rd Annual convention of ISTE at TatyasahebKore Institute of Engineering and Technolgy, Warananaga, Maharastra on 19.12.13
4. Dr.K.Sivakumar received “ISTE - Anna University National Award for the Outstanding Academic for the year 2014” in 44th Annual convention of ISTE on 27.12.14

Students Awards

1. Mr. Alagesan R, B.E.Mech.Engg student (2004-08) achieved 2 Rank in Anna University Chennai.
2. Mr. Senthil kumar R, B.E.Mech.Engg student (2004-08) achieved 3 Rank in Anna University Chennai.
3. Mr. Kalaiselvan S, B.E.Mech.Engg student (2004-08) achieved 16 Rank in Anna University Chennai.
4. Mr. Ramakrishnan S, M.E. Engineering Design student (2006-08) achieved 2 Rank in Anna University Chennai.
5. Mr. R.Alagesan (70204114001) B.E mech. Engg has achieved University Second Rank –Gold Medal.
6. P.Senthil Kumar (70204114048) B.E Mech. Engg has achieved University Third Rank –Gold Medal & Rotary Club of Sathy Gold Medal.
7. S.Kalaiselvan (70204114018) B.E Mech. Engg has achieved University Sixteenth Rank Gold Medal.
8. S.Ramakrishnan (70206408004) M.E Engg Design has achieved University Second Rank-Gold Medal & Alagammal Charitable Trust Gold Medal.
9. M.Jeeva Santhosh second year student has participated in the event Ball Badminton in SSM College of engineering, Komarapalayam on 19, 20 Mar 2009 and won Silver Medal.

10. Mr. R Kalidas, II Year student won the Second Prize (Business Stream of Innovator 2010) in the CII (Confederation of Indian Industry) Southern Region Innovator Award 2010 during January 2011.
11. Mr. P.Sriraman deposit a Guinness World Record for “Worlds Largest Finger Painting for 3200 Square meters” organized by Ayyan thiruvalluvar College of Arts and Science, Punjai Puliampatti, Coimbatore (Dt.) on 13.03.2011.
12. Mr. R Kalidas and Mr. K Mubeen won the First Prize with cash prize 10,000/- for the project “Bullock Powered Energy Generating Mill” at PSG College of Technology & CII / INNOVATOR 2011(March 2012) (Social Stream).
13. Mr. B Kishor, Mr. Akash Prakash, Mr. K Adhavan, S A Yokesk Kumar and Mr. M Sharanyan won the Second Prize with cash prize 10,000/- for the project “New Design of Side stand with Gear Arrester” at PSG College of Technology & CII / Innovator 2011(March 2012) (Social Stream).
14. Mr. C Senthilkumar and Mr. K Kathirvel won the First Prize with cash prize 10,000/- for the project “New Generation Bicycle” at PSG College of Technology & CII / INNOVATOR 2011(March 2012).
15. Mr. K Yuvashankar, Mr. M Madhesu, Mr. P Vivekanandhan and Mr. U Parthiban won the First Prize with cash prize 10,000/- for the project “Domestic Kitchen Marker” at BITS-Pilani Goa Campus during March 2012.
16. Mr. A Yuhendran and Mr. S Senthilkumar won the Second Place with cash prize 5,000/- for the project “Banana Tree Strengthens and Turmeric Harvester” at IIT, New Delhi during March 2012.
17. Mr. L Sibi Vishnu, Mr. T Siva Prakash, Mr. N Zeeshan Ahamed and Mr. S C Sampathkumar won the First Prize with cash prize 5,000/- for the project “Emission Control in Automobiles” at CIT, Coimbatore / Technovation January 2012.
18. Mr. J Chris Divek Sekar, Mr. P Prasanth Kaliram, Mr. D Dony and Mr. Ben Sampras Antony won the Third Prize with cash prize 5,000/- for the project “Modified Micro Hydel Power Plant” at PSG College of Technology, Coimbatore/ Innovator 2011, March 2012.
19. Mr. S Mohammed Younos and Mr. V Nithin Kumar won the First Prize with cash prize 5,000/- for the project “Customizable Unique Constant Speed Regulation in Two Wheelers” at BITS-Pilani / APOGEE 2011, March 2012.
20. Mr. M Aswin Vinay and Mr. T Dinesh won the cash prize 5,000/- for the project “Low Speed Wind Turbine for Domestic Purpose” from ISTE, March 2012.
21. Mr. P S Karthikeyan and Mr. L Krishnakumar won the cash prize 5,000/- for the project “Multipurpose Seed Separator for Agriculture Purpose” from ISTE, March 2012.

22. Mr. S Adharsh Krishnan and Mr. V Karthikeyan won the First Prize with cash prize 5,000/- for the project "Low cost composite Bumper for automobiles" at BITS-Pilani Goa Campus, March 2012.
23. Mr. D Nimalan, Mr. V Parthiban and Mr. A Prabhakaran won the First Prize with cash prize 10,000/- for the project "Next Generation Hybrid Vehicle" at BITS-Pilani Goa Campus, March 2012.
24. Mr. Kalidas R and Mr. Mubeen K won the First Prize for the project "Next Generation Hybrid Vehicle" at BITS-Pilani Goa Campus, March 2012.
25. Mr. Celaster Denisraj L, Second year student got the Alagammal Charitable Trust Gold Medal during the 16th Annual Day Celebrations at BIT.
26. Mr. Sanjay S V, Third year student got the Alagammal Charitable Trust Gold Medal during the 16th Annual Day Celebrations at BIT.
27. Mr. Adharsh Krishnan S, Final year student got the Alagammal Charitable Trust Gold Medal and Annur S Marusamy Saraswathy Gold Medal during the 16th Annual Day Celebrations at BIT.
28. Mr. Ragavendiran R S, First year M.E. student got the Alagammal Charitable Trust Gold Medal during the 16th Annual Day Celebrations at BIT.
29. Mr. Kathirvel K, First year M.E. CAD/CAM student got the Alagammal Charitable Trust Gold Medal during the 16th Annual Day Celebrations at BIT.
30. Mr. A.K.Soundararajan, Final year and Mr. S.Arunkumar, Third year student, won the II Prize with a cash award of 50,000/- in the National Competition on Innovation in Manufacturing Practices organized by IIT Kanpur and Indian National Academy of Engineering on March 05, 2014. Totally 11 batches are entered in the preliminary round. From that 6 batches are selected for final round. Among these, the above students won the II Prize with Cash Award.
31. Mr. V.Vignesh and Mr. R.Narendiran Third year students, won the First Position with cash prize of 5,000/- among the 20 participants (10 UG and 10 PG) in the 3 Minute Thesis organized by Padarth '14, Department of Metallurgical Engineering and Material Science, IIT Bombay on March 02, 2014.
32. Mr.Krishnaswamy V ,Final year B.E. student, Got Best Student Award for the year 2013 organized by Indian Society for Technical Education (ISTE), TamilNadu, Pudhucherry Section, During 23rd -24th January 2014
33. Mr. Prawinn Kumar R and Ragunath D, Third year B.E. students, Got Special Jury Award in the event CII Innovator Award 2012 organized by B.S.Abdur Rahman University, Vandalur.
34. Mr. Mubeen N, Mr. Pradevaathivel P, Mr. Rohit Ravichandran, Mr. Shanmuga Prasanth S, and Mr. Venkatesh Prabhu P, Third year B.E.

- students, secured Second Place with cash award ₹30,000/- for the Project “Mulberry Stick Cutter” in CII Innovator Award 2012 organized by B.S.Abdur Rahman University, Vandalur.
35. Mr. Soundararajan A K, Mr. Surender B and Mr. Vetrivel R, Third year B.E. students, secured Second Place with cash award ₹30,000/- for the Project “Automation of White Washing for Multi-Storey Building” in CII Innovator Award 2012 organized by B.S.Abdur Rahman University, Vandalur.
 36. Mr. Yokesh Kumar S A, Mr. Suganesh R and Mr. Kishore B, Third year B.E. students, secured First Place with cash award ₹50,000/- for the Project “Intelligent Cane with Heptic and Voice Feedback for Visually Impaired People” in CII Innovator Award 2012 organized by B.S.Abdur Rahman University, Vandalur.
 37. A team of Mr. Kishore B, Mr. Sree Vishnu M, Mr. Vivekanandan P, Mr. Naveen prakash V, Mr. Gowthaman J, Mr. Karthick G, final year students and Mr. Yokesh kumar S A, Mr. Mubeen N, Third year students has been selected as one among the top 10 ranked teams of Tamilnadu in the virtual presentation round among 141 teams all over India has participated in the event and 65 teams has cleared the virtual simulation round in the National level design and fabrication contest – Efficycle – 2012, held at Dayananda sagar college of engineering, Bangalore during 12.07.2012 & 13.07.2012.
 38. A team of third year students Mr. T.Ramkumar, Mr. V.Tamilarasu, Mr. S.Suresh and Mr. T.S.Venkatesan has secured “Under Graduate Best Project Award” for “Proposed Design for Automobile Door Clearance Mechanism” in the two day National Level Technical Symposium INTRASIA T’14 at Adhiyamaan College of Engineering, Hosur, held on 17.03.2014.

Annexure - D

SEMINARS/ CONFERENCES/WORKSHOPS ORGANIZED

S.No	Seminar Name	Date	Source of Fundin g	Faculty Organized	No. of Participa nts
1.	Fourth National Conference on Optimization Techniques in Engineering Sciences and Technologies (OPTEST 2009)	27.03.09 & 28.03.09	CSIR	Prof.Sasikumar C Prof.Senthilkumar G	95
2.	XII ISTE Students National Convention	3.10.09 & 4.10.09	ISTE	Dr.Ravikumar M	
3.	Chandrayaan – India’s First Mission to Moon	10.12.09	BIT	Dr.Ravikumar M	30
4.	Fifth National Conference on Optimization Techniques in Engineering Sciences and Technologies (OPTEST 2010)	25.03.10 & 26.03.10	CSIR	Prof.Sasikumar C Prof.Senthilkumar G	60
5.	Entrepreneurship Awareness Camp II	19.01.10 & 21.01.10	BIT	Dr.Uvaraja V C	50
6.	FDP on Research Methods & Tools	31.05.10 to 11.06.10	AICTE	Dr Saravanan R Dr Sivakumar K Prof. Sivakumar M	50
7.	Application of Intelligent Optimization Techniques Using MATLAB – 7.0	07.01.11 & 08.01. 11	CSIR	Dr Sivakumar K Mr.Prakash E	79
8.	CNC Programming	27.01.11 & 28.01. 11	BIT	Prof.Senthilkumar G	74
9.	Sixth National Conference on Optimization Techniques in Engineering Sciences and Technologies (OPTEST 2011)	15.04.11& 16.04.11	CSIR	Prof.Sasikumar C Prof.Senthilkumar G	115
10.	Computational Intelligence for Modeling and Optimization of Manufacturing System	06.06.11 to 18.06.11	AICTE	Dr K Sivakumar Dr R Saravanan	41
11.	Seventh National Conference on Optimization Techniques in Engineering Sciences and Technologies (OPTEST 2012)	20.04.12 and 21.04.12.	CSIR	Prof.Sasikumar C Prof.Senthilkumar G	425

12.	CNC Programming	23.02.12 & 24.02. 12	BIT	Prof.Senthilkumar G	65
13.	Product Design and Development	10.08.12 & 11.08.12	BIT	Prof.Senthilkumar G	144
14.	Renewable Energy Systems - Design & Applications	30.07.12 & 31.07.12.	BIT	Prof.Senthilkumar G	129
15.	Industrial Automation - Theory and Practice	12.10.12 & 13.10.12	BIT	Dr. Senthilkumar K L Mr.Ramesh S	20
16.	New Product Design - Opportunity and Changeless in Bio - Medical to Aero Space Engineering Doman	03.09.12	BIT	Dr.Uvaraja V C	140
17.	Recent Trends in Engines and after Treatment Systems for Automobile Applications	15.09.12	BIT	Mr.Velmurugan P	120
18.	How to apply Patent	13.04.13	BIT	Dr.Amarkarthik A	54
19.	Eighth National Conference on "Optimization Techniques in Engineering Science and Technology	19.04.13 & 20.04.13	CSIR	Prof.Sasikumar C Prof.Senthilkumar G	600
20.	Emerging Research and Advances in Composite Materials	25.04.13 & 26.04.13	BIT	Dr.Uvaraja V C	55
21.	Applied Design of Experiments for Engineering Applications - Theory & Practice	04.01.13 & 05.01.13	CSIR	Dr K Sivakumar Dr. Senthilkumar K L Dr.Ramesh Kumar T	45
22.	MEC Cluster and Individual Paper Presentation	22.01.13	BIT	Dr.Ramesh Kumar T	50
23.	Auto Quiz	22.01.13	BIT	Mr.Prakash E	48
24.	CAD Modeling	22.01.13	BIT	Mr.Sivakumar M	99
25.	CNC Programming and Practice	01.03.13 & 02.03.13	BIT	Prof.Senthilkumar G	60
26.	CNC Programming and Practice	07.03.13 & 08.03.13	BIT	Prof.Senthilkumar G	65
27.	Modeling and Optimization of Manufacturing System Using Intelligent Techniques (MOMSIT 2013)	06.05.13 to 18.05.13	AICTE	Dr K Sivakumar	46
28.	Mastering in Dissertation / Thesis / Paper Writing	12.07.13 & 13.07.13	CSIR	Dr.Amarkarthik A Mr.Prakash E.	35
29.	CNC Programming and Practice	26.09.13 & 27.09.13	BIT	Prof.Senthilkumar G	56

30.	Refrigeration and Air Conditioning	25.09.13 & 26.09.13	BIT	Dr.Ravi kumar M	143
31.	METEORA	02.09.13 & 03.09.13	BIT	Mr.Anandhamoorthy A	22
32.	MEC Cluster and Individual Paper Presentation	02.09.13	BIT	Dr.Jegadheeshwaran S	22
33.	Auto Quiz	03.09.13	BIT	Mr.Prakash E	18
34.	CAD Modeling	03.09.13	BIT	Mr.Sivakumar M	109
35.	Product Design and Development using RPT and Jewel CAD	17.02.14 to 20.02.14	BIT	Prof.Senthilkumar G	168
36.	Ninth National Conference on Optimization Techniques in Engineering Sciences and Technologies (OPTTEST 2011)	04.04.14& 05.04.14	CSIR	Prof.Sasikumar C Prof.Senthilkumar G	162
37.	How to Write an Article for Conference / Journal	10.07.14	BIT	Mr.Prakash E	60
38.	Patenting Your Technology - Do By Yourself	23.08.14	BIT	Dr.Amarkarthik A	82
39.	Non-Destructive Testing	20.09.14	BIT	Dr.Megalingam@Murugan	58
40.	Corrosion Evaluation of Engineering Materials	29.09.14	BIT	Dr.Megalingam@Murugan	60
41.	Application of Artificial Intelligence in Engineering Research	17.10.14 & 18.10.14	BIT	Mr.Senthil kumar P Mr.Suresh Kumar M	55

Annexure - E

SPECIAL LECTURES

Date	Name of the Programme	Name of the Speaker / Convener & details	Topic
23.08.2014	Special lectures	Dr Elayaperumal, Professor, Dept. Mechanical Engg., Anna University, Chennai	Current Trends in Tribological Field
23.08.2014	Special lectures	Mr. D. Kabil, Sr. Engineer, Saipem India Projects Ltd, Chennai	Introduction to Piping Engineering
16.08.2014	Special lectures	K. Soundararajan, Director, K – Pass Instronics Equipments, Chennai.	Fuel Cell Technology for Future Mobility
		Dr. P. Karthikeyan, Associate Professor, Dept of Automobile Engineering, PSGCT, CBE.	
18.08.2014	Special lectures	Dr. C. Sathyanarayanan, Professor, Dept. Production Engineering, NIT, Trichy.	Manufacturing Processes and Optimization
18.08.2014	Special lectures	Dr.G.jayaprakash, Professor & Head, Dept. Mechanical Engineering, Saranathan College of Engg, Trichy.	Overview of Machine Elements.
13.08.2014	Special lectures	Mr. Vivek Devaraj, Product Engineer – Computer Aided Engineering, Renault Nissan Technology and Business Centre India, Netherlands	Product Benchmarking
09.08.2014	Special lectures	Mr. P. Ramaswami, Lead Engineer, Saipem India Projects Ltd, Chennai	Introduction to Piping Engineering
07.08.2014	Special lectures	Dr. K. P. Karunakaran, Professor, Dept.of Mech. Engg., IIT Bombay	Additive Manufacturing & Allied Technolog.
6.08.2014	Special lectures	Mr. S. Sudhakar, Senior Design Engineer, BEML Ltd, Mysore	Soft Skills Development
10.07.14	Special lectures	Dr Raghu v Prakash, Professor and Head, Machine Division, Mechanical Engineering Department, IIT Madras.	Optimization Techniques

10.07.14	Special lectures	Dr S R Devadasan, Professor, Production Engineering Department, PSG College of Technology, Coimbatore.	Recent Trends in Engineering
04.07.14	Special lectures	Mr. R. Govardhana Giri, Business Development Manager, Atalon Instruments Private Limited, Singapore	Vehicle Dynamic Testing
23.06.14	Special lectures	Dr Ram Mohan, Ph.D Nanoengineering Joint School of Nanoscience and NanoEngg. North Carolina A&T State University, Greensboro, NC 27401	Nano Material Science
12.04.14	Special lectures	Dr. S. Rajendra Boopathy, Professor, Additional Controller (Zones), Associate NCC Officer - Capitan Rank, Central Workshop, College of Engg. Guindy Campus, Anna University Chennai.	Recent Advances in Mechanical Engineering
12.04.14	Special lectures	Dr. Vinod Balakrishnan, Associate Professor, Department of English, National Institute of Technology, Tiruchirappalli.	Technical Communication for Engineers
05.04.14	Special lectures	Shri.Abdul Gomaz, Managing Director, AchuF Speciality Valves India Pvt.Ltd.,Coimbatore -641 659	Valedictory Function
28.03.14 & 29.03.14	Two day workshop on Application of Artificial Intelligent Techniques in Engineering Research	Dr K Sivakumar, Prof.& Head Dr Boopathi S, AP(Sr.G) Mr Senthil kumar P (AP) Mr Suresh Kumar M (AP) Department of Mechanical Engineering, BIT, Sathy	Application of Artificial Intelligent Techniques in Engineering Research
26.03.14 & 27.03.14	Workshop on 3D Printing	Mr Justin Babu, Designtech Systems Ltd., Bangalore	3D Printing
14.03.14 & 15.03.14	Two day workshop on Jewellery Design using CAD – Hands on Training	Mr M Thirumalaiswamy, Creative I-cad, Coimbatore	ModelingandDevelopi ngChainsandCreating OwnDesign/Model/ Assembly

07.03.14 & 08.03.14	Two day Workshop on Industrial Automation Theory & Practice	Dr K L Senthil Kumar, Professor / MTRS Mr S Ramesh / Mechanical, Asst.Prof(Sr.G) Mr M Sengottuvelan Asst.Prof. / Mechanical BIT, Sathy	Need for Automation, Programming of Workstation and Hands on training
07.03.14	Special lectures	Dr N Jawahar, Dean-Research, Department of Mechanical Engineering, Thiagarajar College of Engineering, Madurai	Manufacturing Technology
07.03.14	Special lectures	Dr Raghu V Prakash, Professor & Head, Department of Mechanical Engineering, IIT Madras, Chennai	Optimization Techniques
19.02.14 & 20.02.14	Two day workshop on Product Design and Development using RPT and Jewel CAD	Mr N Thirumalaiswamy, Training Head, Creative iCAD, Coimbatore	Product Design and Development using RPT and jewel CAD
17.02.14 & 18.02.14		Mr E Sreedhar Kumar, TIFAC CORE in Product Design, PSGCT, Coimbatore	
14.02.14	CEO / Leader of the week	Mr Suresh N and Mr Kannusamy S, Senior Managers, Shanthi Gears Pvt.ltd, Coimbatore	Fundamental of Gears
08.02.14	Special lectures	Mr Kanagavel Rajan,, Manager - Electro Plating, Souriau India Pvt. Ltd., Coimbatore	Abnormality Management
08.02.14	Special lectures	Mr Muthu Mariappan c, Scientist, Indian Institute of Astro Physics, Ashok Leyland - MDC, Hosur	Building Astronomical Telescope and Mars Mission
31.01.14	Special lectures	Mr Gowrishankar N, Center Manager, The Gate Academy Pvt.Ltd., Bangalore	How to Prepare for the Gate Exam
20.01.14	Special lectures	Mr. Nagaraj Joshi, (Manager - GEMBA) and Mr. Gopi (Sr. Manager - Machine Shop), Ashok Leyland, Hosur	Engine Assembly and Machining

18.01.14	Special lectures	Ms Anitha rosalin Mary, Asst.Director,Department of Industrial Safety and Health, Government of TamilNadu, Salem	Safety of Industrial Boiler
17.01.14	CEO/Leader of the Week	Mr Sanjai K and Mr Shanthanu S, Civil Service Aspirants, Shankar IAS Academy,Chennai	General Idea on UPSC Examination
10.01.14	Special lectures	Mr Balathandayutham G Asst. Manager - HR,Bimetal Bearings Ltd.,Coimbatore	Corporate Expectations from Students
06.01.14	Special lectures	Mr Srijith. and M.R.Nair, Technical Manager,CADD Techno Pvt. Ltd.,Coimbatore	Recent Trends in Mechanical Industry
04.01.14	CEO/Leader of the Week	Mr Balakrishnan A Managing Director,Sri Krishna Techno Components,Coimbatore	Foundry Technology
03.01.14	CEO/Leader of the Week	Mr Jayachandran V A Managing Director,OM Engineering Technologies Pvt. Ltd.,Coimbatore	Energy Security
28.12.13	Special lectures	Mr Sudhakar S Senior Manager,BEML,Karnataka	Opportunities in Core Companies
27.12.13	Special lectures	Mr ShreedharKumar Senior Manager, Tifac Core, PSG College of Technology, Coimbatore	Product Design and Manufacturing
21.12.13	Industry Institute Partnership Cell (IIPC)	Mr Radhamanalan Divisional Manager - ISCM, Titan Company – Jewellery Division	Transforming Jewellery Industry
19.10.13	One Credit Course	Mr Ramaswamy P, Senior Engineer, Saipem India Project Ltd., Nungambakkam, Chennai	Introduction to Piping Engineering
08.10.13 & 09.10.13	Two day workshop on Solar and conventional Refrigeration & Air- Conditioning	Mr Sivakumar R Trident Pneumatics and Hydraulics Pvt. Ltd,Chennai	Air Conditioning systems
		Mr Syed Moosa Abuthahir, Solusunz,Coimbatore	Solar assisted Vapour Absorption refrigeration
		Mr Rajagopal, Empire Cooling Solution, Bangalore	Industrial Air Conditioning System
08.10.13	Leader of the Week	Mr. Rajasekar P Chief Engineer,Fleet Management limited,Hongkong	Opportunities in Marine Industry

05.10.13	Industry Institute Partnership Cell (IIPC)- Students awareness Programme	Mr Sasthri J H Wendt India Pvt. Ltd., Hosur	Engineering Business
		Mr Elangovan R N , HR Manager, Titan Industries, Hosur	Interview Tips
04.10.13 & 05.10.13	Workshop - CNC Programming and Practice (Mechanical Third Year 'C' Section)	Mr Karunakaran, Prime Engineering Services, Trichy	Programming Techniques in CNC- Hands on Training in CAD/CAM lab
			Recent Trends and Salient Features of CNC Machine Tool Industrial Applications of CNC
30.09.13	CEO/Leader of the Week	Dr N V Dhadapani, Senior Manager, Bharat Earth Movers Ltd (BEML),Mysore	Basic Fundamentals of Mechanical System Design
26.09.13 & 27.09.13	Workshop - CNC Programming and Practice (Mechanical Third Year 'C' Section)	Mr Karunakaran, Prime Engineering Services, Trichy	Recent Trends and Salient Features of CNC Machine Tool Industrial Applications of CNC
			Programming Techniques in CNC- Hands on Training in CAD/CAM lab
26.09.13	Industry Institute of Partnership Cell (IIPC) - (Mech 3 rd Year)	Mr Manikandan K, DGM – Supplier Quality, Ashok Leyland, Chennai.	Industry Practices
25.09.13 & 26.09.13	Workshop on Refrigeration and Air Conditioning (Mechanical Final year 'A' section)	Mr Srinivasan Sampath, VSM solar Pvt.Ltd., Bangalore	Solar Refrigeration
		Mr Elamurugan, premier climate controls pvt ltd, Chennai	Conventional Air Conditioning and Chiller Plant
		Mr Rajagopal, Empire Cooling Solution, Bangalore	Industrial Air Conditioning Systems
14.09.13	One Credit Course (Mechanical Third year)	Mr Ramaswamy P Senior Engineer, Saipem India Project Ltd., Nungambakkam, Chennai	Introduction to Piping Engineering

27.08.13	Special lectures	Mr Jaffer Sadhick Senior Service Advisor Ambal Auto, Coimbatore	Service and Maintenance
30.07.13	Leader of the Week	Mr Sankar Shanmugasundaram, Managing Director, M/s SDS Transmissions, Cbe	Design of Transmission Systems
16.07.13	Special lectures	Dr.S. Dharani, MMDRD, Managing Director, Orbito Asia Technology Solution (OATS), Tirupur	Entrepreneurship Development Programme
13.07.13	CSIR sponsored Two day workshop on "Mastering in Dissertation / Thesis / Paper Writing"	Dr Raghu V Prakash, Professor, IIT-Chennai	Thesis Statement & Thesis preparation - Phase - I
			Thesis Statement & Thesis preparation - Phase - II
12.07.13		Dr S R Devadasan, Professor, PSG Technology, Coimbatore	Components and organization of Internationally Publishable Research Papers - Phase I
			Components and organization of Internationally Publishable Research Papers - Phase II
10.07.13	Special lectures	Dr.Sanjay D. Pohekar, Tolani Maritime Institute, Pune	Fuel Cell Technology
06.06.13	Leader of the Week	Mr. R. Sundar, Head, Fabrication & Assembly - Special Products, Heavy Engg Design, L&T - Bypass Road,Malumichampatti, Coimbatore	One to One Interaction
07.03.13 & 08.03.13	Workshop on CNC Programming and Practice (Mech 3 rd Year)	Mr.M.Karunakaran, Managing Director, Prime Engineering Services, Trichy.	Recent Trends and Salient Features of CNC Machine Tool Industrial Applications of CNC
01.03.13 & 02.03.13	Workshop on CNC Programming and Practice (Mechanical Third Year 'A' Section)	Mr.M.Karunakaran, Managing Director, Prime Engineering Services, Trichy.	Programming Techniques in CNC- Hands on Training in CAD/CAM lab

08.02.13	Special lectures	Mr. Rizwan, Technical Support, CAD Centre, Chennai. Mr. Varun, Branch Manager, CAD Centre, Sathy.	Product Life Cycle NX – CAD,NX-CAM, NX-CAE (Design Software)
06.02.13	Leader of the Week	Mr. Rajendran D, Senior Manager, LMW, Cbe.	Manufacturing and Assembly
05.01.13	Two-day workshop on Applied DOE for Engineering Applications Theory& Practice	Dr Panneerselvam R, Professor, Department of Management Studies, Pondicherry University.	Grey Relational Analysis Response Surface Method Demonstration of RSM
04.01.13	Two-day workshop on Applied Design of Experiments for Engineering Applications Theory and Practice	Dr Rajmohan M, Assistant Professor, Department of Industrial Engineering, Anna University	Fundamentals of StatisticsIntroduction to DoETaguchi Method using Orthogonal ArraysData Analysis and Demonstration of TaguchiPractice Session using s/w
22.12.12	Video conferencing	Mr Ravikumar S, Manager – CAM development, British Engines Ltd., Bangalore.	Recent trends in CAM
15.12.12	CEO	Mr S Ramamurthy, Chief Executive, Fluidics, Cbe.	Scope for Automation
15.12.12	Leader of the Week	Dr Ram Mohan, Dept of Nano engg.,Joint School of Nano science and Nano engg., North Carolina A&T State Univ.,2907 E Lee Street,Greensboro	Nano Technology
20.12.12	CEO	Rtn.Dr. E K Sagadhavan, Chairman, Lotus Hospital, Erode.	Awareness of Leadership Quality
06.12.12	Special lectures	Mr Murugaboopathy S, Manager, Salem Steel Plant, Salem	Carrier Development Program
11.07.12	Special lectures	Mr Ashok V S Manager, Raj Shree Ford, Coimbatore.	Technological Advancements in FORD Vehicles
23.07.12	Special lectures	Mr Soundararajan K Senior Manager R&D Unit I, LMW, Perianaickenpalayam, Coimbatore - 641 020	Innovation in Mechanical Engineering

03.08.12	CEO/Leader of the Week	Dr P Sureshkumar, Director, School of Management Studies, BIT, Sathy	Personality Development and Soft Skills
08.08.12	CEO/Leader of the Week	Mr Divan Mohideen, Civil Lawyer, Salem	Right to Information Act
10.08.12	Video Conferencing	Mr Raju G, Deputy General Manager, Janatics India Pvt.Ltd., Cbe	Pneumatics
31.08.12	SAE Inauguration	Mr Kamalanathan S, Regional Manager, C.R.I. Pumps Pvt.Ltd., Kurumbapalayam, Cbe	Automobile Engineering
03.09.12	International Convention on Innovations in Engineering and Technology for Sustainable Development	Dr. Raghu V. Prakash, Professor, Department of Mechanical Engineering, IIT Madras, Chennai - 36	New Product Design - Opportunity and Changeless in Bio - Medical to Aero Space Engineering Doman
04.09.12	International Convention on Innovations in Engg.and Techn. for Sustainable Development	Mr. R S Mani, Executive Director - R&D, Bimetal Bearings Ltd, 18, Race Course Road, Coimbatore - 641 018	Tribological Studies in Plain Bearing
04.09.12	International Convention on Innovations in Engineering and Technology for Sustainable Development	Mr. Prabahar Annamalai, CEO, Vectra FORM Engineering& Solutions Pvt Ltd., 34/35 Tatabad 1st Street, Dr.Sivanandam Nagar, Tatabad, Coimbatore -12	Recent Trends in Rapid Proto Typing
05.09.12	International Convention on Innovations in Engineering and Technology for Sustainable Development	Dr P Subramanian, Associate Professor, Department of Bio Energy, Agricultural Engineering College & Research Institute, Coimbatore.	New and Renewable sources of energy
07.09.12	Special lectures	Ms Subhashree Pradeep and Mr. Ramesh, Managers, TVS Logistics Pvt. Ltd., Chennai.	Supply Chain and Logistics Management

15.09.12	National Level Workshop (SAE)	Mr S Karthikeyan, Manager - Engine Product Development, Ashok Leyland - Chennai	Recent Trends in Engines & After Treatment Systems for Automobile Applications
22.03.12	Special lectures	Mr.E.Sreedhar Kumar, Senior Manager, TIFAC CORE in Product Design, PSG College of Technology, Coimbatore	Advanced Rapid Prototyping Technology
28.02.12	Special lectures	Mr.R.S.Mani, Senior General Manager, R&D Department, Bi-Metal Bearing Ltd, Coimbatore	Recent Trends in IC Engines
27.02.12	Special lectures	Mr.K.Durairaj, General Manager, Development Engineering Department, Bi-Metal Bearing Ltd, Hosur	Recent Trends in Mechanical Engineering
24.02.12	Workshop on CNC Programming (Mech Third Year 'A' Section)	Mr.M.Karunakaran, Chief Executive, Prime Engineering Services, Trichy.	Programming Techniques in CNC- Hands on Training in CAD/CAM lab
23.02.12	Workshop on CNC Programming and Practice (Mech Third Year 'A' Sec)	Mr.M.Karunakaran, Chief Executive, Prime Engineering Services, Trichy.	Recent Trends and Salient Features of CNC Machine Tool Industrial Applications of CNC
18.02.12	Special lectures	Mr. R.Sivakumar, Senior Manager, Product Development and Engineering, Pricol Ltd, Coimbatore	Product Development and Engineering
17.02.12	CEO/ Leader of the Week	Mr.V.A.Jayachandran, Managing Director, OM Engg Technologies Pvt. Ltd, Saravanampatti, Coimbatore.	Entrepreneurship Development Programme
28.01.12	Special lectures	Mr. R Gowtham Daas, (Alumni) Engineer(Machine Design), Robert Bosch, Coimbatore	Betterment for Engineers
27.01.12	Special lectures	Mr. P Gnanavel (Alumni) Process Engineer, Schlumberger, Singapore	Human Safety Equipments (HSE)

15.10.11	Special lectures	Dr.Selvaraju Murugesan, Research Scholar, LaTrobe University, Bundoora, Australia	Higher studies in Abroad
27.09.11	Special lectures	Mr.N.V.Dhandapani Senior Manager, BEML, Mysore	Concepts of Engg. Mechanics
15.09.11	SAE (Inaugural Function)	Mr C V Lakshmi Narayanan, Autozone Automobiles Pvt.Ltd., Krishnaswamy Muthaliar Road, R.S.Puram, Coimbatore	Motivated the students about carrier development
25.08.11	CEO / Leader of the Week	Mr K Soundararajan, Senior Manager, Laxmi Machine Works Ltd, Coimbatore.	Design of Six Sigma
24.08.11	Special lectures	Mr S Pradeep, Proposals Engineer, Oman Industrial Coating LLC, Muscat.	Job opportunities in Oman
13.08.11	Special lectures	Mr P S S Saikumar, GM, Times Institute, Erode.	Career Awareness Programe
11.08.11	Special lectures	Mr S Prabhakaran, Assistant General Manager (Projects), Salem Steel Plant, Salem.	5 'S' Concept
03.08.11	Special lectures	Mr M Kanagavel Rajan, Senior Deputy Manager, Pricol Limited, Coimbatore.	Corrosion of Electro Plating
25.07.11	Special lectures	Mr M Jayaseelan, Quality Engineer, HAASEE Inspection Services Ltd., Coimbatore.	Non Destructive Testing
12.07.11	Special lectures	Rtn Dr E K Sagadhevan Chairman, Lotus Hospital, Erode.	Entrepreneurship Development
20.04.11	Special lectures	Mr.N.Ravindran, Industries Engineer, Coimbatore Productivity Council, Coimbatore.	Career Development
25.03.11	Web-Based Seminar Program	Dr.G.V.V.Ravi Kumar Principal Consultant Advanced Engineering Group Infosys Technologies Ltd., Bangalore.	Introduction to Composite Materials (through online)
08.03. 11	Special lectures	Mr.Ankan Chakraborty, Senior Design Er. (Valves), L & T Ltd, Industrial products and machinery, Coimbatore.	Sharing of Experiences as a Student ,Graduate and an Executive
		Mr.V.Sandeep, Managing Representative, Caterpillar Asia pvt. ltd,Singapore	Mechanical Engineering Job Opportunities

		Mr.V.Sandeep, Managing Representative, Caterpillar Asia pvt. ltd,Singapore	Mechanical Engineering Job Opportunities
		Mr. Kirannair, M.Tech. (First Year), Automotive Engg Department, MIT, Pune.	Automotive Systems
		Mr.S.Murali, Program Analysist, CTS,Coimbatore	Experience of Mech. Engg. in Software Industries
		Mr.Hari Ramachandran, MBA (Second Year), UK	Higher Studies in UK
17.02.11	Leader of the Week	Mr.K.Murthy Director, EMPOWER Consultancy Coimbatore	Entrepreneurship Development
22.02.11	Leader of the Week	S.Shanmugasundram, Vice president, Production dept., Habasit Iakoka, Coimbatore	Entrepreneurship Development
26.02.11	Special lectures	R.Prasana Kumar General Motors, Bangalore	Introduction to Automotive Vehicles
28.02.11	Inauguration Radio Control Chapter Under SAE	Mr.B.Sri Hari, Deputy Manager, R&D, Ashok Leyland, Chennai	Introduction to RC Cars
12.01.11	Special lectures	Mr.R.MurugaBoopathy, Senior Engineer, Production Dept, BHEL, Salem.	Hot Rolling Process
13.01.11		Dr.S.Shankar, Associate Prof., Kongu Engg. College, Perundurai	Finite Element Concepts in Practical & Academic Field
27.01.11		Mr.S.Sudhakar, Design Engineer, Design Department, BEML, Mysore.	Fundamentals of Engineering
10.02.11		S.Kanagavel Rajan, Senior Deputy Mr,Manufacturing Deptt, Pricol Ltd., Coimbatore.	Design of Experiments
11.02.11		Mr. John Adaikaloraj Training Co-ordinator,ABT Maruthi Suzuki Services,Tirupur	Fundamentals of Automotive System
19.07.10	Special lectures	Mr.S.Sudhakar, Manager (Design), BEML (Under Ministry of Defense), R&D,Mysore	Carrier Development Program
22.07.10	Special lectures	Mr.R.Krishna Moorthi, CEO, I ² Projects Consultancy Service Ltd.,	Students Association

		Coimbatore	
02.08.10	Special lectures	Prof.S V Subba Rao, Prof. & Head, Dept Aeronautical Engineering, BIT, Sathymangalam	Some Thermal Problems In Launch Vehicles
14.08.10	Leader of the Week	Mr S Kamala Nathan, Regional Manager, CRI Pumps Pvt.Ltd., Coimbatore.	Motivated the students about carrier development
17.09.10	Special lectures	Mr A Balakrishnan Managing Director, Sri Krishna Techno Components Coimbatore	Aluminium Die Casting processes
19.02.10 & 20.02.10	Special lectures	Mr. M.Karunakaran, MD Prime Engineering Services, Tiruchirapalli	Two Day Workshop on CNCProgramming & practice
20.02.10	Research and Development Club	Mr K Sivakumar, Scientist D – Asst. Director, CVRDE, DRDO, Chennai.	Innovation Techniques
23.02.10	Special lectures	Mr N V Dhandapani, Design Engineer, BEML Limited, Technology Division, Mysore.	Product Design and Analysis
25.02.10	ISTE Student's Chapter	Mrs.Kavita Balakrishnan, CEO, Graphein Salutation, Bangalore	Employability skill Needed for Fresh Graduate Engineers
02.03.10	Special lectures	Mr. M Kanagarajan, Senior Engineer, Pricol Ltd., Unit1, Periyanaickenpalayam.	Surface Coating for Automotive Applications
11.03.10	Special lectures	Mr K Karthikeyan, Ph.D in Microsatellite, National University of Singapore , Singapore	Higher Studies Singapore
07.04.10	Special lectures	Dr S Vengadesan, Associate Professor, Dept of Applied Mechan., IITM,Chennai.	Computational Fluid Dynamics
13.01.10	Special lectures	Dr K Krishnan, Professor, Southern Illinois University , USA	Technology and Super Power
21.01.10		Mr K Birla Sekar, Ankit Equipment Pvt. Ltd., Bangalore.	How to be a Successful Entrepreneur
17.02.10		Mr S Sudhakar, CEO, Learners Foundation, BEML (Under Ministry of Defense), R&D, Mysore	Material Technology Fundamentals

Evaluative Report of the Department

1. **Name of the Department & its year of establishment:** Mechatronics
Year of Establishment: 2012
2. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**
 - B.E. Mechatronics
3. **Interdisciplinary courses and departments involved:**

S.No	Course	Departments involved
1.	Design for Manufacture and Assembly	Mechanical
2.	Industrial Engineering	Mechanical
3.	Diagnostic Techniques	Mechanical
4.	Engineering Materials and Metallurgy	Mechanical
5.	Product Design and Costing	Mechanical
6.	Rapid Prototyping	Mechanical
7.	Digital Signal Processing	Electronics & Communication
8.	Soft Computing	Electronics & Communication
9.	Linear Integrated Circuits	Electronics & Communication
10.	Industrial Electronics and Product Design	Electronics & Communication
11.	Real Time Embedded System	Electronics & Communication
12.	Bio Medical Instrumentation	Electronics & Instrumentation
13.	Object Oriented Programming	Computer Science
14.	Database Management Systems	Computer Science

4. **Annual/ semester/choice based credit system:**
Semester System with choice based credit system.
5. **Participation of the department in the courses offered by other departments:** No
6. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)**

	Sanctioned	Filled
Professors	01	02
Associate Professors	-	-
Asst. Professors	07	07
Total	08	09

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D./ M. Phil. etc.,)

S. No.	Name of the faculty member	Qualification	Designation	Corresponding specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1.	Dr. K.P. Arulshri	Ph.D.	Professor & Head	Smart Materials	27 years	09
2.	Dr. K.L. Senthil Kumar	Ph.D.	Professor	Production Engineering	19 years 4 months	-
3.	Mr.S. Ramesh*	M.E.	Assistant Professor (Senior Grade)	CAD/CAM	7 years 5 months	-
4.	Mr.M. Sengottuvelan*	M.E.	Assistant Professor	Mechatronics	2 years 9 months	--
5.	Mr.S. Manikandan	M.E.	Assistant Professor	Mechatronics	1 year 5 months	--
6.	Mr.S.K. Dhinesh	M.E.	Assistant Professor	Mechatronics	1 year 5 months	--
7.	Ms.K. Poomani	M.E.	Assistant Professor	Mechatronics	1 year 5 months	--
8.	Mr.A. Prakash	M.E.	Assistant Professor	Mechatronics	1 year 3 months	--
9.	Mr.S. Javid Ahamed	M.E.	Assistant Professor	Mechatronics	--	--

* Pursuing Ph.D.

8. Percentage of classes taken by temporary faculty-programme-wise information:
Nil

9. Programme-wise Student-Teacher Ratio:

Programme	Student-Teacher Ratio
B.E. Mechatronics	15:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Staff	Sanctioned	Filled
Technical	02	02
Administrative	02	02

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise :

National Funding Agencies: Completed projects (2004-2013)

SI. No	Name of the Faculty	Title	Funding Agencies	Grants Received (Rs. in lakhs)
1.	Dr. K.P. Arulshri	Design and optimization of Smart system	AICTE-RPS New Delhi	10
2.	Dr. K.P. Arulshri	Work study in Hotel kitchen environment	DST, New Delhi	15

b) International Funding Agencies : Nil

c) Total Grant Received : Rs 25 Lakhs (Completed)

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received
Total Grants Received: Nil

13. Research facility / centre : Nil

14. Publications:

- Number of papers published in peer reviewed journals:
 - National : Nil
 - International : 19
- Number of papers published in conferences:
 - National : 15
 - International : 08
 - Monographs : Nil
- Chapter(s) in Books - Nil
- Editing Books - Nil
- Books with ISBN numbers with details of publishers - Nil
- Number listed in International Database - Nil
- Citation Index - range / average
 - Impact factor - range / average :
 - Citation Index : Min: 3 Max: 100
 - h-index : Min: 2 Max: 5
- SJR - Range / Average: Min: 0.03 Max: 0.936 Average: 0.483

15. Details of patents and income generated : Nil

16. Areas of consultancy and income generated : Nil

17. Faculty recharging strategies

- All faculty members are given with two day orientation programme by external experts to expose the faculties to the current industrial practices and cutting edge technologies of the emerging fields.
- Faculty members are given training based on Bloom's taxonomy way of teaching.

- Provisions are made to faculty members to get fully sponsored industrial training based on their areas of interest.
- Faculty members are sponsored to attend FDPs/conferences/seminars organized by other Institutes/external agencies.

18. **Student projects :**

- Percentage of students who have done in-house projects(Mini Project) : 95%

S. No.	Year	Number of Students	
		UG	PG
1.	2014	12	NA

19. **Awards / recognitions received at the national and international level by**

- Faculty : 02
- Students : Nil

Awards:

1. Dr. K.P. Arulshri, received Best Faculty Award from KVITT during the year 1997-98.

Best Paper Award:

1. Dr. K.P. Arulshri, received Best Paper Award from CECRI

20. **Seminars/ Conferences/Workshops organized and the source of funding (national / International) with details of outstanding participants, if any.**

S.No	Name of the Programme	Date	Faculty Organized	Source of Funding	Number of Participants
1.	Embedded Systems using Arduino	22.03.2014 to 23.03.2014	Mr.S. Manikandan	Self support 45,000	60
2.	CNC Machining and Programming	24.07.2014 to 25.07.2014	Mr.S. Manikandan	Self support 20,000	60
3.	PCB Design and Fabrication using OrCAD PSpice Software	31.10.2014 to 01.11.2014	Mr.M. Sengottuvelan	Self support 60,000	60
4.	International Conference on Resource Utilization and Intelligent Systems	2.01.08 to 4.01.08	Dr. K.P. Arulshri	KEC	90
5.	Work Shop on Quantitative Techniques for Research	15.12.2008 to 16.12.2008	Dr. K.P. Arulshri	AICTE_RPS	30

S.No	Name of the Programme	Date	Faculty Organized	Source of Funding	Number of Participants
6.	National Conference on Product Lifecycle Management –2007	02.03.2007 to 03.03.2007	Dr. K.P. Arulshri	KEC	45
7.	International Conference on Resource Utilization and Intelligent Systems	04.01.2006 to 06.01.2006	Dr. K.P. Arulshri	KEC	90
8.	FDP on Dynamics of Machines	06.12.2004 to 11.12.2004	Dr. K.P. Arulshri	AU	20
9.	Seminar on Renewable Energy- Energy for Future	20-08-05	Dr. K.P. Arulshri	TEDA	30
10.	FDP on Kinematics of Machines	09.06.2003 to 13.06.2003	Dr. K.P. Arulshri	AU	20
11.	FDP on Engineering Mechanics	16.06.2003 to 20.06.2003	Dr. K.P. Arulshri	AU	20

21. **Student profile course-wise:** NA

22. **Diversity of Students:**

Name of the Course (refer question no. 2)	% of students from the college	% of students from the state	% of students from other States	% of students from other countries
B.E (Mechatronics)	Nil	98.33	1.7	--

23. **How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations:** NA

24. **Student progression :** NA

25. **Diversity of staff**

Percentage of faculty who are graduates	
of the same parent university	63.5%
from other universities within the State	37.5%
from other universities from other States	-

26. **Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** 01

S.No	Name of the candidate	Year of award
1.	Mr. K L Senthil Kumar	2012
2.	Mr.S. Selva Kumar	2013
3.	Mr.KSK Sasi Kumar	2013
4.	Mr.P.P. SethuSundaram	2014

27. **Present details about infrastructural facilities**

- a) Total number of classrooms : 06
- b) Class rooms with ICT facility : 06
- c) Students' laboratories : 04
 - There are various laboratories available as per curriculum such as Mechatronics, Sensors & Instrumentation, MEMS and FESTO laboratories.
- d) Research laboratories : MEMS lab

28. **Number of students of the department getting financial assistance from College:** 04
(Friend of Friendless)

29. **Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.**

Yes, to develop a new program suggestions are obtained from industry, alumni, students and the faculties. These suggestions are discussed in BoS and forwarded to Standing Committee and approved by the Academic Council for the implementation.

30. **Does the department obtain feedback from**

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes

The staff feedback on syllabus and curriculum are placed before BoS meeting, conducted twice a year and the recommendation along with the feedback are sent to the Academic Council for approval with or without modification for implementation.

- b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

- Feedback on Staff:

An online feedback system is maintained as per ISO QMS and obtained thrice in a semester. The obtained feedback is available to Heads of Departments for counseling of faculty members.

- Feedback on Curriculum:

Included in the Board of Studies agenda and put for discussion and incorporation.

- Feedback on Teaching Learning Evaluation:

Academic Resource Cell of Institute obtains feedback from students on teaching - learning process and details are sent to HoDs for any remedial/corrective action needed.

Alumni and employers on the programmes and what is the response of the department to the same?

- Feedback on programme are obtained from employers before the conduct of Board of Studies meeting and their suggestions are included in the agenda.
- No alumni members are available as the program was started only during 2011-12.

31. **List the distinguished alumni of the department:** NA
32. **Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.**
 Special Lecture : 16
 Workshops : 03
33. **List the teaching methods adopted by the faculty for different programmes.**
- Activity Based Learning Method.
 - Layer learning/Learning by doing
 - Conducting tutorials for analytical subjects.
 - Training at Industries on subject concepts.
 - Wall charts and models are used in all the laboratories and workshops.
 - Workshops are organized by the faculty members for the students.
34. **How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**
- a. Three periodical exams are conducted prior to the end semester examination to continuously monitor the learning depth of students.
 - b. Mini projects, participation in seminars and presentation of papers are made mandatory to check and analyze the application knowledge of students.
 - c. Students are offered to organize technical events to check their ability to be as team player.
 - d. Contests to solve Industry Defined Problems are organized once in a year and the ability of students to handle Industrial problems are evaluated.
 - e. Mock interviews and group discussions are organized to measure the performance of the students.
 - f. Students are encouraged to appear for entrance exams of various higher education programmes and coaching class for the same is organized at Institute.
35. **Highlight the participation of students and faculty in extension activities.**
- a. Participation in Association Activities related to society
 - b. NSS/NCC/Youth Red Cross
36. **Give details of “beyond syllabus scholarly activities” of the department.**
- a. One credit courses to the interested students.
 - b. Self study electives.
 - c. Value added courses beyond office hours.
 - d. Student project contests.
 - e. Paper presentation.
 - f. Contest for industry defined problems.
 - g. Industry internships.
 - h. Industrial visits.
 - i. Mini projects.
 - j. Technical seminars.
 - k. Open house exhibitions.
37. **State whether the programme/ department is accredited/ graded by other agencies. Give details. : NA**

38. **Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**

Strength	Weakness	Opportunities	Challenge
<ul style="list-style-type: none"> • Faculty with multidisciplinary background • Five courses with inbuilt lab component • BIT-FESTO lab Centre of Excellence in Automation • MEMS lab facility • Department – Industry Relations with surrounding industries 	<ul style="list-style-type: none"> • Faculty Members with Ph.D. are few • Lack of experienced faculty members • Lack of expertise in a particular field • Less number of publications in high impact factor journals 	<ul style="list-style-type: none"> • Since Industries are moving towards automation placement rate will be more • Encouragement on multidisciplinary projects • Project works can be undertaken from various types of industries • Consultancy works for small and medium scale industries • Faculty members with higher qualifications 	<ul style="list-style-type: none"> • Getting placement in core Industries • Most of the admitted students are with rural background • To the large scale industries and MNCs for Industrial visits, Internship and Training etc., • Imparting fundamental knowledge in different disciplines • Higher study opportunities in recognized institution is less

39. **Future plans of the department**

- Developing Centre of Excellence in Robotics
- Establishing Research Centre on Smart Materials, Structures and Systems for multidisciplinary application in the fields of Biomedical, Seismic resistive structures, Sports Technology and Aerospace.[Smart Materials: Piezoelectric, Piezoceramic, SMA, Electro & Magneto strictive, Fiber optics].
- To start and develop Bio-mechatronics program.
- Forming a smart factory model representing networked automation.
- Introduction and development of visualization techniques in STEM subjects to improve effectiveness in teaching process. It will be useful for bridging the gap between knowledge and application.

Annexure - I

LIST OF PUBLICATIONS BY THE FACULTY MEMBERS

(a) Papers published in National / International Refereed Journals (for the last 5 years)

1. Boopathi, M. M., K.P. Arulshri, (2013). "Evaluation Of Mechanical Properties Of Aluminium Alloy 2024 Reinforced With Silicon Carbide And Fly Ash Hybrid Metal Matrix Composites." American Journal Of Applied Sciences 10(3).
2. Jeyaraj, S. And K.P. Arulshri (2012). "Characterization Of Electrodeposited Nickel-Al₂O₃ Composite Coatings By Experimental Method And Neural Networks." Journal Of Applied Sciences 12: 911-919.
3. Padmanaban, K., K.P. Arulshri, Et Al. (2009). "Machining Fixture Layout Design Using Ant Colony Algorithm Based Continuous Optimization Method." The International Journal Of Advanced Manufacturing Technology 45(9-10): 922-934.
4. Padmanaban, K. P., K.P. Arulshri, Et Al. (2009). "Machining Fixture Layout Design Using Ant Colony Algorithm Based Continuous Optimization Method." The International Journal Of Advanced Manufacturing Technology 45(9-10): 922-934
5. Sasikumar, K., K.P. Arulshri, Et Al. (2011). "An Analysis Of The Effect Of Constraining Layer Modulus On The Vibration Control Of Beams Treated With PclD." European Journal Of Scientific Research 66(3): 377-391.
6. Selvakumar, S., K.P. Arulshri, Et Al. (2010). "Clamping Force Optimization For Minimum Deformation Of Workpiece By Dynamic Analysis Of Workpiece-Fixture System." World Applied Sciences Journal 11(7): 840-846.
7. Selvakumar, S., K.P. Arulshri, Et Al. (2012). "Mathematical Approach For Optimal Machining Fixture Layout And Clamping Forces." Australian Journal Of Mechanical Engineering 10(1): 17.
8. Selvakumar, S., K.P. Arulshri, Et Al. (2013). "Design and Optimization Of Machining Fixture Layout Using Ann And Doe." The International Journal Of Advanced Manufacturing Technology 65(9-12): 1573-1586.
9. Selvakumar, S., K.P. Arulshri, et al. (2013). "Machining fixture layout optimisation using genetic algorithm and artificial neural network." International Journal of Manufacturing Research 8(2): 171-195.
10. KSK Sasikumar, K.P. Arulshri, and S Selvakumar "An analysis of the effect of constraining layer modulus on the vibration control of beams treated with PCLD", European Journal of Scientific Research, 2011, Vol. 66, No.3, 377-391.
11. KSK Sasikumar, K.P. Arulshri and S Selvakumar, "Study of the effect of composite constrained layers in vibration damping of plates", International Journal of Applied Mechanics and Engineering, 2014, Vol.19, No.1, 203-209.
12. KSK Sasikumar, K.P. Arulshri, S. Selvakumar, and N.S. Nandakumar, "Numerical and experimental study of the Effect of Constraining Layer in controlling the vibration of beams attached with PCLD", Bulletin of Applied Mechanics, 2011, Vol.7, No.25.
13. KSK Sasikumar, K.P. Arulshri, and S Selvakumar, "Some Studies on the Effect of Constraining Layer in the Vibration Control of Beams using PCLD". International Journal of Applied Engineering Research, 2010, Vol. 5, No.15.
14. Senthil Kumar, K. L. and Sivasubramanian, R. "Optimization of machining

- process in machining particulate reinforced aluminium matrix composite", *Manufacturing Technology Today*, Vol. 8, No. 9, pp: 21-26, 2009.
15. Senthil Kumar, K. L., Sivasubramanian, R and Kalaiselvan, K. "Selection of optimum parameters in non conventional machining of metal matrix composite", *Portugaliae Electrochimica Acta*, Vol. 27, No. 4, pp.: 477-486, 2009, DOI:10.4152/pea.200904477.
 16. Senthil Kumar, K. L. and Sivasubramanian, R, "Modeling of metal removal rate in machining of aluminium matrix composite using artificial neural network", *Journal of Composite Materials* October 2011 vol. 45 no. 22 2309-2316, DOI:10.1177/0021998311401083.
 17. S. K. Dhinesh "Proposed Design for Automobile Door Clearance Mechanism" *International Journal of Advanced Science and Technology* , Volume.25, Issue.25, May 2014.
 18. S. Ramesh "Investigation on the effect of multi wall carbon nano tubes in Wire Electrical Discharge Machining of hybrid Metal Matrix Composites" , *International Journal on Applied Mechanics and Materials* Vols. 592-594 (2014) pp 456-460, July 2014.
 19. S. Javid Ahamed, P. Balakrishnan and P. Archana, 2014. Autonomous Agrobot for Rice Cultivation. *International Journal On Recent Researches In Science, Engineering And Technology (JRRSET)*, Volume 2, Issue 2, ISSN(print) 2347-6729 & ISSN (online) 2348-3105.

(b) Papers Published in National/International Conference

National

1. K L Senthil Kumar, T Rameshkumar and S Boopathy, "Optimization of Machining Parameters using Taguchi Technique", in the 6th National Conference on OPTEST 2011, during 15-16 April 2011, at BIT, Sathy.
2. T Rameshkumar and K L Senthil Kumar, "A Study on Tribological Properties of Aluminium Composite Materials", in the 6th National Conference on OPTEST 2011, during 15-16 April 2011, at BIT, Sathy.
3. B. N. Pranesh, M Venkatesan, S Vignesh and K L Senthil Kumar, "Optimization of Parameters for MMC preparation using Stir Casting Process" 7th National Conference on OPTEST 2012, during 20-21 April 2012, at BIT, Sathy.
4. R S Ragavendiran, K Kathirvel, K. Sathish Kumar, K L Senthil Kumar and T Rameshkumar, "Optimization of Dielectric Fluid Parameters in Machining of MMC using EDM", 7th National Conference on OPTEST 2012, during 20-21 April 2012, at BIT, Sathy.
5. K Kathirvel, T Rameshkumar, R S Ragavendiran and K L Senthil Kumar, "Wear Prediction of Newly Developed Aluminium based Alloys using Optimization Techniques", 7th National Conference on OPTEST 2012, during 20-21 April 2012, at BIT, Sathy.
6. S. Manikandan, "Effect of Substrate in Microstrip Fed double Sided Rounded Bow-Tie Antenna" in the National Conference on Recent Trends and Research issues in Antennas, during 09-10 Feb 2010, at Dr.Sivanthi Aditanar College of Engg, Tiruchendur.
7. S.K. Dinesh, R. Parameshwaran, S. Praveen Kumar "Review of Improving the Cooling Performance of Automotive Radiators" in the National Conference on Innovations in

Mechanical, Mechatronics and Building Sciences, NCIMMBS-14, held during 25-26 April 2013.

8. K. Poomani, "Mixed Rectifier For Dynamic Load Applications" in the 1st National Conference on Electrical Systems-NCES'12, held during 21-22 March 2012 at RVS College of Engg & Tech, Coimbatore.
9. K. Poomani, S. Sathiyavathi and K. Krishnamurthy, "Hybrid Current Cycle ILC Strategy for Magnetic Ball Suspension System" in the National Conference on Innovations in Mechanical, Mechatronics and Building Sciences, NCIMMBS-13, held during 25-26 April 2013.
10. S. Javid Ahamed, 2013. Autonomous Agrobot for Rice Cultivation. Proceedings on National Conference on Recent Trends in Mechanical Engineering (NCRTME' 13), Trichy, Tamil Nadu, India.
11. M.Sengottuvelan, S.Chandika, C.Jegadeesan, Dr.R.Ashokan, "Study on Piezo actuated micropumps", National Conference on Recent Advances in Control, Communication & Electrical Engineering (RACCEE 2010) Presented at Sethu Institute of Technology, Kariapatti on 31st March and 1st April 2010
12. M.Natrayan, M.Sengottuvelan, V.C.Uvaraja, "Comparison of Two Unique reinforcement materials with Al-6061 Alloy produced by Stir Casting Method" National Conference on Optimization Techniques in Engineering Sciences and Technologies (OPTEST 2013) Presented at Bannari Amman Institute of Technology, Sathyamangalam on 19th and 2th April 2013
13. R.Gnanasekar, M.Sengottuvelan, V.C.Uvaraja, "Mechanical and Tribological Properties of Al-6061 Metal, Reinforcement of SiC and Al₂O₃ by Using Stir Casting Method" National Conference on Optimization Techniques in Engineering Sciences and Technologies (OPTEST 2013) Presented at Bannari Amman Institute of Technology, Sathyamangalam on 19th and 2th April 2013
14. M.Sengottuvelan, Dr.K.Sivakumar, M.Nandagopal, M.A. Omprakash, "Identification and analysis of Cold Metal Defect in Ferrous Casting using Six Sigma by Taguchi Method in MINITAB" National Conference on Optimization Techniques in Engineering Sciences and Technologies (OPTEST 2013) Presented at Bannari Amman Institute of Technology, Sathyamangalam on 04th and 5th April 2014
15. M.Sengottuvelan, M.A.Omprakash, "Identification and analysis of Cold Metal Defect in Grey Cast Iron by Six Sigma Method Using Minitab" National Conference on Advances in Civil and Mechanical Engineering (ACME 2014) presented at Sengunthar Engineering College on 25th March 2014

International

1. Senthil Kumar, K. L. and Sivasubramanian, R. "Optimization of Parameters in Electrochemical Machining of Composite Material using Genetic Algorithm", Proc. of Int. Confer. on Adv. Manuf. (ICAM 2011),pp: 30-33, TATI University College, Terengganu, Malaysia, 23-24 May 2011.
2. Rameshkumar T, Rajendran, I. and Senthil Kumar, K. L., "Mass Loss Prediction of TiN based Plain Bearing Alloy using Artificial Neural Network", Proceedings of the Second International Conference on Advances in Materials Processing and Characterization (AMPC 2013), Vol. II.
3. S. Manikandan, "Established Control Techniques For pH Neutralization Process" in the International Conference on Synchronizing Management Theories and Business Practices: Challenge Ahead, held during 27-29 2012 at Annamalai University, Chidambaram.

4. B. Meenakshipriya and S. Manikandan, "Design and Implementation of Wiener Model Based CDM-PI Controller in pH " Neutralization System" in the International Simulation Conference of India 2013, held during 21-23 2013 at IITM, Chennai.
5. S.K. Dinesh, "Review of Improving the Cooling Performance of Automotive Radiators" in the 5th International Conference on Science, Engineering and Technology 2013, held during 8-9 Nov at VIT, Vellore.
6. K. Poomani, "PID Tuning For Magnetic Ball Suspension System" in the 5th International Conference on Science, Engineering and Technology 2013, held during 8-9 Nov at VIT, Vellore.
7. P. Balakrishnan, P. Archana and S. Javid Ahamed, 2014. A Novel Approach for Random Image Steganography. Proceedings on International Conference on Advances in Engineering, Technology and Management (ICAETM), 2014.
8. A.Prakash and S.K.Thangarasu, "Analysis of tool wear using cutting force and vibration technique" in the International Simulation Conference of India 2013, held during 21-23 2013 at IITM, Chennai.

Evaluative Report of the Department

1. Name of the Department & its year of establishment: **Aeronautical Engineering**, Year of Establishment: **2008**
2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
 - BE Aeronautical Engineering
3. Interdisciplinary courses and departments involved - Yes

S.No.	Courses Offered	Departments Involved
1.	'C' Programming	Information Technology
2.	Basics of Electrical and Electronics Engineering	Electrical and Electronics Engineering
3.	Engineering Design Concepts	Mechanical Engineering
4.	Control Engineering	Electrical and Electronics Engineering
5.	Micro-Processors & Micro-Controllers	Electronics and Communication Engineering
6.	Professional Ethics	Textile Technology
7.	Manufacturing Technology	Mechanical Engineering
8.	Mechanics of Machines	Mechanical Engineering

4. Annual/ semester/choice based credit system
 - Semester system choice based credit system
5. Participation of the department in the courses offered by other departments - Yes

S.No	Name of the course	Department offered	No. of students attended
1.	Automobile Engineering	Mechanical Engineering	07
2.	Artificial Intelligence	Computer science and Engineering	03

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

Designation	Sanctioned	Filled
Professors	01	04
Associate Professors	02	00
Asst. Professors	09	11
Total	12	15

7. Faculty profile with name, qualification, designation, specialization.

S. No.	Name of faculty member	Design.	Qualification	Corresponding specialization	No. of Years of Experience	No. of Ph.D. Students guided for last 4 years
1.	Dr. R.Kannan	Professor & Head	Ph.D.	Aerospace Engineering	11.5	Currently guiding two Ph.D. students.
2.	Dr. Arvind Singh	Professor	Ph.D.	Tribology	Industry:12 Teaching: 1.11	-
3.	Mr. N. Shunmugavelu	Professor	ME	Aircraft Structural Mechanics	Teaching: 3 Industry: 33	-
4.	P Balachandran	Professor	M. Tech	Heat Transfer	Industry: 30	-
5.	K.Rajasekar*	Assistant Professor - Sr. Grade	M.E.	Aeronautical Engineering	7.4	--
6.	M.Ramesh*	Assistant Professor	M.E.	Aeronautical Engineering	7.5	--
7.	G.Sivaraj*	Assistant Professor	M.E.	Aeronautical Engineering	8.6	-
8.	D.Lakshmanan	Assistant Professor	M.E.	Avionics	2.11	--
9.	A.VivekAnand*	Assistant Professor	M.E.	Aeronautical Engineering	2.6	--
10.	P.Anand	Assistant Professor	M.E.	Aeronautical Engineering	2.6	--
11.	P.N.VasanthSudarshan	Assistant Professor	M.Tech.	Aircraft Maintenance Engineering	1.5	--
12.	M. Krishnakumar	Assistant Professor	M.E.	Aeronautical Engineering	4.5	--
13.	U. Sivasathya	Assistant Professor	M.E	Aeronautical Engineering	2.6	--
14.	P. Vadivelu	Assistant Professor	M.E	Aeronautical Engineering	-	--
15.	V. Hariprasad	Assistant Professor	M.E	Spacecraft Engineering	-	--

* - pursuing Ph.D.

8. Percentage of classes taken by temporary faculty-programme-wise information:

S. No	Name of faculty	Academic year	Name of the course	Percentage of class handled
1	Sethunathan P	2010-11	Aircraft Systems and Instrumentation	75%
			Aircraft Design Project-I	50%
		2011-12	Elements of Aeronautics	75%
			Airframe Maintenance and Repair	50%
		2012-13	Aircraft Systems and Instrumentation	20%
			Aircraft Rules and Regulations	75%
		2013-14	Crisis Management in aviation industry	100%
		2014-15	Aircraft Systems and Instrumentation	10%

9. Programme-wise Student Teacher Ratio

S.No	Programme	Student-Teacher ratio
1.	UG	12:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled - Supporting staff:

S.No	Staff Category	Sanctioned	Filled
1.	Academic support staff	4	4
2.	Administrative staff	2	2

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

- a) Number of Faculty involved : Nil
- b) National Agencies : Nil
- International Agencies : Nil
- c) Total Grants Received : Nil

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received: Total Grants Received : Nil

13. Research facility / centre with

- State recognition -Nil
- National recognition -Nil
- International recognition -Nil

14. Publications:
- Number of papers published:
- International Journal : 46
 - International Conference : 23
 - National Conference : 13
- Monographs : Nil
- Chapter in books : Nil
- Editing books : Nil
- Books with ISBN number and details of publication: Nil
- Number listed in international database : Nil
- Citation Index-Range/ Average : (4-53)/25.25
- SNIP : 1.864
- SJR : 1.397
- Impact Factor- Range/ Average : (0.002-3.076)/2.2005
- h-index : Max-11, Min-5
15. Details of patents and income generated (Published: 3 Filed: 1)
1. Aerodynamic drag reduction of hatch pack car using base bleed. (Application No. 3777 / CHE /2010; published on 31 Dec 2010).
 2. Optimization of vortex generator for Sedan Car model for reduction of aerodynamic drag. (Application No. 3778 / CHE /2010; published on 31 Dec 2010)
 3. Performance enhancement in Gas turbine Engine. (Application No. 4574 / CHE /2013; published on 15 Nov 2013)
 4. Gas turbine rotor blade slit introduction technique submitted to Chennai Patent Office (Application No. 5314/ CHE / 2014)
- Total Income Generated: Nil
16. Areas of consultancy and income generated: Nil
17. Faculty recharging strategies
- Faculty members are deputed to participate Workshop/Seminar/Webinar/National and International Conference/ Faculty Development / Personality Development programme
 - External experts are invited to give lectures to the faculty members about the problems and emerging trends and in the aero sectors.
 - Training based on Bloom's Taxonomy for teaching and evaluation.
 - Faculty members are deputed to visit industries to learn about contemporary industrial practices.
18. Student projects
- Percentage of students who have done in-house projects including inter-departmental - 90 %

- Percentage of students doing projects in collaboration with industries / institutes - 10 %

19. Awards / recognitions received at the national and international level by

- Faculty : Nil
- Doctoral / post-doctoral fellows : Nil
- Students : Nil

20. Seminars/ Conferences/Workshops organized and the source of funding (national / International) with details of outstanding participants, if any.

- National workshop on Fundamentals of Aeronautics and Introduction to Unmanned Aerial Vehicles on 22 October 2011. 120 participants participated.
- Organized National Conference on Emerging Trends in Aerospace Technologies during 16.04.2012&17.04.2012. 20 participants participated & 16 technical papers presented.
- National workshop on Design Challenges Associated with UAVs and MAVs on 27 August 2013. 180 participants participated.

21. Student profile course-wise:

Name of the Course (refer question no. 2)		Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
B.E (Aero)	2008-12	35	31	04	87	100
	2009-13	65	57	08	88	100
	2010-14	67	56	11	73	100
	2011-15	69	60	9	-	-
	2012-16	66	48	18	-	-
	2013-17	53	41	12	-	-

22. Diversity of Students:

Name of the Course (refer question no. 2)	% of students from the college	% of students from the state	% of students from the Other states	% of students from the other countries
B.E (Aeronautical)	Nil	96%	4%	Nil

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

S. No	Year	GATE/GRE/TOFEL/SLET/NET/CAT					No. of Students
		GATE	IAS	CAT/ILETS	GRE	TOFEL	
1.	2013-14	0	-	-	1	-	1
2.	2012-13	3	-	3	-	-	6
3.	2011-12	2	-	-	-	-	2

24. Student progression

Student progression	Percentage against enrolled		
	2008-12	2009-13	2010-14
UG to PG	43%	11%	8%
PG to M.Phil.	-	-	-
PG to Ph.D.	-	-	-
Ph.D. to Post-Doctoral	-	-	-
Employed	49%	26%	30%
• Campus selection			
• Other than campus recruitment	17%	24%	19%
Entrepreneurs	0.06%	-	-

25. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	40%
from other universities within the State	50%
from other universities from other States	10%

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: **Nil**

27. Present details about infrastructural facilities

- a) Department Library : Books:289
Journals :06
(National-1 International-5)
- b) Online Journal :191
(e-Journal recommended by AICTE)
- c) Internet facilities for staff and students :100Mbps (Sharing)
- d) Total number of classrooms : 04
- e) Classrooms with ICT facility : 04
- f) Students' laboratories : 07
- g) Research laboratories : 02

28. Number of students of the department getting financial assistance from College:

S.No	Name of the financial assistance	No of students
1.	Friend of Friendless	26

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. Nil

30. Does the department obtain feedback from

a. **Faculty on curriculum** as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes. Staff feedback on syllabus and curriculum are incorporated after the discussion in the BoS Meeting. Feedback obtained about the teaching learning process is discussed in departmental meetings. If necessary, suitable remedial measures are taken.

b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Feedback on Staff: An online feedback system is maintained as per ISO format and obtained thrice in a semester. The obtained feedback is available to Heads of Departments for counseling the concerned faculty members. The faculty performance indicator is updated using this feedback for staff evaluation.

Feedback on Curriculum: Discussed in the Departmental meeting and suggestions along with stake holders' feedback are placed before the Board of Studies for discussion. The BoS forwards the recommendation to Academic council for approval with necessary modifications.

Feedback on Teaching Learning Evaluation: Academic Resource Council of Institute obtains frequent feedbacks from students on teaching learning process. The feedbacks are sent to HoD to take appropriate corrective action if needed. The HoD discuss in the department meeting and suitably advised the concerned faculty member.

c. Alumni and employers on the programmes and what is the response of the department to the same?

Feedback on programmes are obtained from alumni, employers, and personnel from Industries before the conduct of Board of Studies meeting and their valuable suggestions are included in the agenda for further considerations.

31. List the distinguished alumni of the department (maximum 10)

S.No	Name of the student	Batch	Designation	Name of the Company
1.	Kulathendral L	2008-2012	Design Engineer	Titan Company Ltd, Bangalore.
2.	Abhishek B	2008-2012	Technical Engineer	Indian Air Force
3.	Ashok N	2009-2013	Design Engineer	Titan Company Ltd, Bangalore.
4.	HariniNevedha R	2009-2013	Design Engineer	Titan Company Ltd, Bangalore.
5.	Mukesh B	2009-2013	Software Engineer	Infosys, Mysore
6.	NairAbhijitVinodkumar	2009-2013	Technical Engineer	Indian Air Force
7.	Karthic M S	2009-2013	Design Trainee	Capgemini, Bangalore.
8.	YuvarajN	2009-2013	Lieutenant	Indian Army
9.	Aravind D	2009-2013	Managt. Trainee	Decathlon, Hyderabad
10.	Krishna Kumar M	2009-2013	Software Engineer	Cognizant Technology Solutions.

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

Conference : 1
 Guest Lecture : 17
 Leader of the week : 8
 Seminar : 1

S. No	Date	Name of the Speaker / Convener & details	Topic	Type of the programme
1.	21.08.2009	Mr. A.M.Palanisamy, Chairperson, Aerospace Materials Private Limited, Pollachi.	Aerospace Materials	Leader of the Week
2.	18.01.2010	Mr. K. Nagendran Design Engineer Aeolous Aero Technologies, Bangalore	Aero Modelling	Leader of the Week
3.	23.01.2010	Mr. RajGurunathan Design Engineer, GE – Aerodynamics & Acoustic Technology Department, Bangalore.	Recent Advancements in Aerodynamics and Career Opportunities	Leader of the Week

S. No	Date	Name of the Speaker / Convener & details	Topic	Type of the programme
4.	20.03.2010	Mr. B.Thirinatha Reddy Scientist – SG Deputy Project Director (RISAT Spacecraft & ASTROSAT Spacecraft)	Spacecraft Thermal Control	Guest Lecture
5.	10.01.2011	Mr. S. Veeraraghavan Senior Aircraft Engineer, Air India, Coimbatore	Aircraft Maintenance Engineering	Guest Lecture
6.	03.02.2011	Dr. V. Sunderarajan Former Director, GTRE,Bangalore.	Aero Gas Turbine Engine	Leader of the Week
7.	03.02.2011	Mr. Sharat Kumar Varier Competency Development Head,Quest Global Engineering,Bangalore.	Engineering Services for Aerospace Domain	Leader of the Week
8.	29.03.2011	Mr. V.Ganesh Aero Sales Manager – Asia Pacific, ZODIAC Aerospace,Bangalore.	Aero Engine Repair &Maintenance Practices and Aircraft General Engineering Practices	Leader of the Week
9.	02.04.2011	Dr. S.Panneerselvam Former Project Director – HSTDV and Associate Director DRDL, Hyderabad	Missile Technologies	Leader of the Week
10.	27.08.2011	Mr. R.V. Ramkumar Air-Borne Systems (CABS), DRDO,Bangalore.	Aircraft – Why the way they are?	Guest Lecture
11.	17.09.2011	Mr. R.Manamohan Chief Manager, Engine Division, HAL,Bangalore.	Engines and Aircrafts in Fighter Sector	Guest Lecture
12.	28.01.2012	Dr. S.Vinoth Assistant Professor Production Department, NIT,Trichy.	Lean Manufacturing and its Application in Aerospace Sector	Guest Lecture
13.	20.02.2012	Mr. R.ShashiShekar Scientist and Division Head, ISRO, Bangalore.	Propulsion System Design for Spacecraft's – An Overview	Guest Lecture

S. No	Date	Name of the Speaker / Convener & details	Topic	Type of the programme
14	20.03.2012	Mr.RooseeweltPrahaldan Business Head Reinforced Plastic Industries, Bangalore	Composites in Aero Industries	Guest Lecture
15.	18.07.2012	Col.Ramakrishnan Managing Partner Select Pvt Ltd, Tirupur	Opportunities for Aeronautical Engineer in Air force	Leader of the Week
16.	19.07.2012	Mr. S.Ramesh Subramanian Scientist – D, Mission Analysis and Range Safety,SatishDhawan Space centre,Sriharikota.	Overview of Indian and World Space Programme	Guest Lecture
17.	21.12.2012& 22.12.2012	Mr. C. Jaganathan Additional Director, DRDO (Rtd.), Bangalore.	Quality Control in War Planes	Guest Lecture
18.	30.12.2012	Mr.Vishwanathan S Scientist NAL Mr.S.K.Karthick Research Scholar, IISc Bangalore	Flight Mechanics	Guest Lecture
19.	08.02.2013	Mr. MaizRizwan Engineer Business Support, (NX) CADD Centre Chennai	CAD CAM using Aerospace Engineering	Seminar
20.	25.02.2013	Mr. D.Saji Scientist,NAL, Bangalore	Advanced Composite Material	Guest Lecture
21.	13.07.2013	Mr.O. Prasad Rao, Assistant Controller of Patent and Designs,PatentOffice, Chennai.	Intellectual Property Rights	Guest Lecture
22.	14.08.2013	Mr. Praveen Vettiyattil CEO& Serial Innovator, SharadaSolutions, Coimbatore.	You can Invent	Guest Lecture
23.	21.02.2014	Mr. Loganathan Project Engineer, IGCAR Kalpakkam, Chennai	NDT Techniques for atomic and aerospace applications	Guest Lecture

S. No	Date	Name of the Speaker / Convener & details	Topic	Type of the programme
24.	16.07.2014	Mr.S.U.Mothilal Head of Emerging Business Miltex Engineers Pvt Ltd, Coimbatore.	Expectation of Industries from Young Engineering Students	Guest Lecture
25.	06.09.2014	Mr.M.Vijayakumar Scientist B, DRDO	CFD Analysis of UAV	Guest Lecture
26.	17.10.2014	Dr.A.Sakthivel CEMILAC, DRDO, Bangalore.	Certification Process of Aircraft and Aero Engines	Guest Lecture

33. List the teaching methods adopted by the faculty for different programmes.
- Layer-Learning / Learning by doing.
 - Creative Learning Methodology.
 - Blackboard and Multimedia in each classroom.
 - Training at Industries on subject concepts.
 - Final year projects are industry oriented and the students spend about one month in the industries.
 - Interactive sessions with invited resource persons (Leader of the week/Guest Lectures).
 - Wall charts and models are used in all the laboratories and workshops for better understanding of the practices
34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?
- a. Constant review after each periodical test for continuous monitoring of student performance.
 - b. Performance indicators for students and faculty.
 - c. ISO audit is done twice in a year. The report is considered by the department and the suitable action is taken to set right the deficiency.
 - d. Feedback from alumni and employers.
 - e. Placement.
 - f. Performance in Higher education if pursuing.
35. Highlight the participation of students and faculty in extension activities.
- Students participated in activities such as SwacchBharath, Blood Donation, Interacting with Orphans, Tree plantation and organizing medical camps under NSS and NCC Schemes.
 - Faculty members are doing consultancy service and research on social issue like Energy, Pollution and Employment.

36. Give details of “beyond syllabus scholarly activities” of the department.
- Self study Electives
 - One credit courses
 - Mini projects to inculcate industry orientation
 - Identify contemporary problems during Industrial visits
 - Value added course
 - Soft skill training
 - Participation in Workshops, Seminars & Conferences and presentation of papers
 - Guest Lectures by Academicians & Experts from industries / computer organizations
 - Industrial visits/In-plant training/Internship for students are arranged for faculty to learn contemporary industrial practices in order to identify small problems for consultancy and big problems for sponsored projects.
 - Participation in technical paper presentation & Project Contest
37. State whether the programme/ department is accredited/ graded by other agencies. Give details. Nil
38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strengths	Weakness	Opportunities	Challenges
<ul style="list-style-type: none"> • Well-equipped laboratories. • Dedicated and motivated faculty members with Masters and Doctoral degrees from IITs, IISc and MIT. • Four faculties currently pursuing Ph.D. • Contact with industries and Engineering service providers. • Facilities available for R&D and take up consultancy and sponsored projects 	<ul style="list-style-type: none"> • Less on-campus core placement opportunity. • No MOU with fortune companies. • Due to non-availability of PG programme, obtaining research centre recognition from state university and Research grant from various agencies. 	<ul style="list-style-type: none"> • In the area of industry-institute tie-up for placement, practical training, and internship • Opportunities to carry on R&D, Consultancy and Sponsored projects in the areas of Aeronautical and Aerospace Engineering. 	<ul style="list-style-type: none"> • Attracting MNCs to offer core placements. • Oscillatory trends in aerospace programs in India and as well as overseas. • Converting Industry – Institute relation into MOU.

39. Future plans of the department

1. To establish Centre of Excellence for conducting research in High Speed Aerodynamics.
2. To augment existing wind tunnel facility with the state-of-art equipments to support advanced research and lab activities for students.
3. To develop research facilities for Unmanned Aerial Vehicles.

Evaluative Report of the Department

1. Name of the Department : **Civil Engineering**
Year of Establishment : **2001**
2. Names of Programmes / Courses offered (UG, PG, Ph.D., Integrated Masters; Integrated Ph.D., etc.)
 - B.E - Civil Engineering
 - M.E - Structural Engineering
 - Ph.D. - Civil Engineering
3. Interdisciplinary courses and departments involved:

S.No	Courses Offered	Department to which offered
1.	11O105 –Basics of Civil Engineering	Mechanical Engineering
		Electrical and Electronics Engineering
		Electronics and Instrumentation Engineering
		Electronics and Communication Engineering
		Computer Science and Engineering
		Aeronautical Engineering
		Mechatronics
		Automobile Engineering
		Information Technology
		Textile Technology
		Fashion Technology
		Biotechnology
2.	11C023 –Creativity and innovation	Mechanical Engineering
		Information Technology
3.	11C001 –Municipal Solid Waste Management	Electrical and Electronics Engineering
4.	11C025–Green Buildings	Electronics and Instrumentation Engineering
5.	11N301 –Fluid and Solid Mechanics	
6.	11T302 –Applied Mechanics	Textile Technology

4. Annual/ semester/choice based credit system - Semester system with choice based credit system.

5. Participation of the department in the courses offered by other departments:

S.No.	Department that offers courses	Courses enrolled by Civil Engineering Students
1.	Mechanical Engineering	11M007 -Automobile Engineering 11C105- Basics of Mechanical Engineering
2.	Fashion Technology	11F034 -Fashion Design Process and Innovation
3.	Computer Science and Engineering	11C106-Computer Programming
4.	Electrical and Electronics Engineering	11O205-Basics of Electrical and Electronics Engineering

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

Designation	Sanctioned		Filled	
	UG	PG	UG	PG
Professors	02	-	02	-
Associate Professors	04	-	02	-
Asst. Professors	18	3	25	3
Total	27		32	

7. Faculty profile with name, qualification, designation, specialization.

S. No	Name of faculty member	Designation	Qualification	Corresponding specialization	No. of Years of Experience		No. of Ph.D. Students guided for last 4 years
					Year	Month	
1.	Dr. N. Arunachalam	Prof.& Dean	Ph.D.	Structural Engineering	49	3	1- Completed 4-Pursuing
2.	Dr. S. M. Suneeth Kumar	Prof.& Head	Ph.D.	Environmental Engineering	34	3	1
3.	Dr. G. Anusha	Associate Professor	Ph.D.	Environmental Engineering	7	3	-
4.	Dr. T. Ilango	Associate Professor	Ph.D.	Transportation Engineering	3	6	-

S. No	Name of faculty member	Designation	Qualification	Corresponding specialization	No. of Years of Experience		No. of Ph.D. Students guided for last 4 years
					Year	Month	
5.	Dr. V. Senthil Kumar	Asst. Prof. Sr. Grade	Ph.D.	Environmental Engineering	8	3	-
6.	Mr. S. Ramakrishnan	Asst. Prof. Sr. Grade	M. E.	Infrastructure Engineering	5	3	-
7.	Mr. M. Saravanan	Asst. Prof. Sr. Grade	M.E.	Structural Engineering	5	3	-
8.	Mr. M. Arun	Asst. Prof. Sr. Grade	M.Tech.	Structural Engineering	5	2	-
9.	Mr. V. Mahesh	Assistant Professor	M.E.	Infrastructure Engineering	4	3	-
10.	Mr. A. Jayaraman	Assistant Professor	M.E.	Structural Engineering	4	2	-
11.	Mr. R. Sakthiram Kumar	Assistant Professor	M.E.	Structural Engineering	3	4	-
12.	Ms. K.Vedhasakthi	Assistant Professor	M.E.	Structural Engineering	3	4	-
13.	Ms. N. Karthiga	Assistant Professor	M.E.	Structural Engineering	3	3	-
14.	Mrs. V. Preetha	Assistant Professor	M.E.	Structural Engineering	2	3	-
15.	Mr. N. Chandramohan	Assistant Professor	M.E.	Construction Engineering and Management	2	3	-
16.	Mrs. R. Geethamani	Assistant Professor	M.E.	Environmental Engineering	2	3	-
17.	Mr. A. S. Ramesh	Assistant Professor	M.E.	Construction Engineering and Management	3	4	-
18.	Mr. S. Loganayagan	Assistant Professor	M.E.	Transportation Engineering	2	2	-
19.	Mrs. M. Mahalakshmi	Assistant Professor	M.E.	Structural Engineering	1	4	-
20.	Mr. N. Sathyakumar	Assistant Professor	M.E.	Structural Engineering	3	2	-
21.	Mrs. V. Jayanthi	Assistant Professor	M.E.	Structural Engineering	1	3	-

S. No	Name of faculty	Designation	Qualification	Corresponding specialization	No. of Years of Experience		No. of Ph.D.
22.	Mr. M. Rajendran	Assistant Professor	M.Tech.	Structural Engineering	1	3	-
23.	Mr. C. Aravindhan	Assistant Professor	M.E.	Structural Engineering	1	3	-
24.	Ms. C. Kavitha	Assistant Professor	M.E.	Structural Engineering	0	4	-
25.	Ms. S. Ashmi	Assistant Professor	M.E.	Structural Engineering	0	4	-
26.	Ms. P. Sudha	Assistant Professor	M.E.	Structural Engineering	2	6	-
27.	Mr. S. Athibaranan	Assistant Professor	M.E.	Structural Engineering	0	4	-
28.	Mr. A. Mohanraj	Assistant Professor	M.E.	Structural Engineering	0	4	-
29.	Ms. K. M. Ruba	Assistant Professor	M.E.	Structural Engineering	1	3	-
30.	Ms.V. DeepthaPriyadharshini	Assistant Professor	M.E.	Structural Engineering	0	3	-
31.	Mr. S. ManojPrabhakar	Assistant Professor	M.E.	Structural Engineering	0	3	-
32.	Mr. N. V. Manjunath	Assistant Professor	M.E.	Structural Engineering	0	2	-

8. Percentage of classes taken by temporary faculty-programme-wise information:
Nil

9. Programme-wise Student - Teacher Ratio

S.No	Programme	Student - Teacher Ratio
1.	UG – Civil Engineering	12 : 1
2.	PG – Structural Engineering	12 : 1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled

S.No	Staff Category	Sanctioned	Filled
1.	Academic Support Staff	6	6
2.	Administrative Staff	2	2

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

Number of Faculty involved : 01

a) National Agencies :TNSCST and AICTE

b) International Agencies :Nil

c) Total Grants Received :Rs.6.5 Lakhs

d) Completed Projects : Rs.4.5 Lakhs

Ongoing

S.No	Title of Projects	Faculty	Funding Agency	Grants(Rupees in Lakhs)
1.	Development of Innovative Building Blocks	Dr. N. Arunachalam	TNSCST - Chennai	2.0

Completed

S.No	Title of Projects	Faculty	Funding Agency	Grants (Rupees in Lakhs)
1.	Development of Economical and Durable Concrete Building Block	Dr. N. Arunachalam	AICTE - New Delhi	4.5

12. Departmental projects funded by DST-FIST, DBT, ICSSR, etc.,
Total Grants Received : Rs. 10 Lakhs

S.No	Project title	Project Duration	Funding Agency	Amount Received (Rupees in Lakhs)
1.	Modernization of Concrete Laboratory and Structural Engineering Laboratory	1 Year	AICTE - New Delhi	10

13. Research facility / centre

State recognition- Department is recognized by Anna University, Chennai for carrying out collaborative research.

14. Publications:

Number of papers published in peer reviewed journals:

National: 4& International: 27

Monographs - Nil

Chapter(s) in books - Nil

Editing books - Nil

Books with ISBN numbers with details of publishers - Nil

Number listed in International Database - 3

Citation Index - 6

SNIP - 0.116

SJR - RANGE/average: Min: 0.028 Max: 0.16, Average: 0.112

Impact factor - range/average: Min: 0.12 Max: 7.93, Average: 1.625

h-index: 2

Details are attached in Annexure A

15. Details of patents filed and Income generated : Nil

16. Areas of consultancy and income generated

Structural design consultancy and testing services are offered related to building materials. Rs. 6,69,610/- has been generated in the last five years as given.

S. No	Areas of Consultancy	Income generated(in Rupees)
1.	Testing of concrete cubes (compressive strength test)	1,44,540.00
2.	Testing of steel rods	1,10,690.00
3.	Testing of cements	76,800.00
4.	Bearing capacity of soil	1,38,730.00
5.	Testing of bricks	64,900.00
6.	Water test	8250.00
7.	Testing of RCPT Cube	18,650.00
8.	Testing of M. Sand	1,050.00
9.	Design consultancy	1,06,000.00
Total		6,69,610.00

17. Faculty recharging strategies

- In house Faculty development programmes in specific areas
- Deputing for Industrial training and industrial visits to know about contemporary practices
- Deputing to attend Faculty development programmes organized by other institutions

- Inviting experts to give lectures highlighting the emerging trends and development
- Interaction with experts from industry and academia

18. Student projects

- Percentage of students who have done in-house projects including inter-departmental - **70 %**
- Percentage of students doing projects in collaboration with industries / institutes - **30 %**

19. Awards / recognitions received at the national and international level by

- Faculty :Nil
- Doctoral / post doctoral fellows :Nil
- Students :1

- M. Suresh Babu, M. Subash, K.N. Vivek Kumar, N. SaravanaPradeep (2012-15) ICTACT Student Innovator Award 2014 under the category Civil & Architecture.
- Seminars/ Conferences/Workshops organized and the source of funding (national / International) with details of outstation participants, if any. :

S. No	Title	Organizing Faculty	Period	Source of Funding	Details of Outstation Participants
1.	National Conference on "Water Resource and Waste Water Management"	Dr. G. Anusha Dr. J. Raja Murugadoss Mr. V. Senthilkumar	16.09.2010 & 17.09.2010	Self Supporting	13
2.	Workshop on "Construction Practices"	Mr. S. Ramakrishnan Mr. M. Arun	13.08.2012 & 14.08.2012	Self Supporting	10
3.	International Conference on "Innovations in Engineering and Technology for Sustainable Development"	Dr. J. Raja Murugadoss	03.09.2012 to 05.09.2012	URC - Erode TNSCST - Chennai	16
4.	National Conference on "Geosynthetics"	Dr. K. Saravanan	03.02.2012 & 04.02.2012	CSIR - New Delhi, DST (SERB) - New Delhi	24
5.	National Workshop on "Soil Mechanics and Foundation Engineering"	Dr. G. Anusha Mr. M. Rajendran	24.01.2014	Self Supporting	250

S. No	Title	Organizing Faculty	Period	Source of Funding	Details of Outstation Participants
6.	National Workshop on "Composite Structures"	Mr. A. Jayaraman Mr. M. Saravanan Ms. S. SangaviPriyadharshini	15.02.2013	Self Supporting	205
7.	National Conference "Latest Emerging Trends and Sustainable Development in Civil Engineering"	Mr. S. Ramakrishnan Mr. M. Arun	06.03.2014	Self Supporting	35
8.	National Level Technical Symposium "Lionzera"	Dr. G. Anusha Mr. M. Arun	10.03.2014	Self Supporting	281

20. Student profile course-wise:

Name of the course (refer question no. 2)		Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
UG B.E. Civil Engineering	2006-2010	45	34	11	100.0	100.0
	2007-2011	44	31	13	93.2	100.0
	2008-2012	48	35	13	100.0	100.0
	2009-2013	76	60	16	92.1	100.0
	2010-2014	131	103	28	77.1	100.0
PG M.E. Structural Engineering	2008-2010	11	8	3	81.8	100.0
	2009-2011	18	12	6	100.0	100.0
	2010-2012	17	12	5	94.1	100.0
	2011-2013	17	9	8	100.0	100.0
	2012-2014	18	12	6	100.0	100.0

21. Diversity of Students:

Name of the Course (refer question no. 2)	% of students from the college	% of students from the state	% of students from the States	% of students from the countries
B.E(Civil Engineering)	-	98.0%	2.0%	-
M.E(Structural Engineering)	5.0%	84.05%	10.95%	-

22. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

S. No	Year	GATE/GRE/TOFEL/SLET/NET/CAT					No. of Students
		GATE	IAS	CAT/IL ETS	GRE	TOFEL	
1.	2013-2014	4	-	-	2	2	8
2.	2012-2013	3	-	-	-	-	3

23. Student progression

Student progression	Percentage against enrolled				
	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014
UG to PG	9	16	21	17	21
PG to M.Phil.	-	-	-	-	Nil
PG to Ph.D.	-	-	-	-	Nil
Ph.D. to Post-Doctoral	-	-	-	-	Nil
Employed	86	100	83	28	17
• Campus selection					
• Other than campus recruitment	5	-	7	48	59
Entrepreneurs	-	14	10	7	3

24. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	84.3%
from other universities within the State	6.2%
from other universities from other States	9.3%

25. Number of faculty awarded Ph.D., D.Sc. and D.Litt. during the assessment period: Ph.D. : 05

S.No	Faculty Name	Year of Award
1	Dr. S. Shankaran	2009
2	Dr. V. SubramaniaBharathi	2009
3	Dr. T. Ilango	2011
4	Dr. G. Anusha	2013
5	Dr .V. Senthil Kumar	2014

26. Present details about infrastructural facilities
- a) Departmental Library
 - (i) Total Number of Books : 1052
 - (ii) Total Number of Magazines : 6
 - (iii) Total Number of Journals : 19
 - (iv) AICTE Mandatory Journal : 6000 + e - journals including ASCE Journals (35 Nos.)
 - b) Internet facilities for staff and students :100 Mbps
 - c) Total number of classrooms :10
 - d) Classrooms with ICT facility :08
 - e) Students' laboratories :08
 - f) Research laboratories :03
27. Number of students of the department getting financial assistance from College:
- | | |
|---------------------------------|-----|
| 2013-2014 Admission Scholarship | - 6 |
| 2012-2013 Admission Scholarship | - 4 |
| 2011-2012 Admission Scholarship | -10 |
| 2010-2011 Admission Scholarship | -11 |
| 2009-2010 Admission Scholarship | -11 |
28. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.
- Yes,
- a. Opinions and suggestions from Employers, Alumni and Industries are obtained.
 - b. Referring to Programmes offered by MIT (USA), Stanford University and interaction with professors of IITs, NITs and Research Centers.
 - c. All the inputs given by stakeholders are placed in the BOS. These suggestions are taken when framing the curriculum and syllabi for a new programme and are placed before Academic Council for approval with or without modification.
29. Does the department obtain feedback from
- a. **Faculty on curriculum** as well as teaching-learning-evaluation? If yes, how does the department utilize it?
 Yes, feedback from faculty is obtained on the curriculum and, modified if necessary after due discussion in the Board of Studies Meeting. These suggestions are forwarded with its recommendations to academic council for approval. Feedback on teaching learning process is discussed in departmental meetings and then suitable remedial actions are taken if necessary.
 - b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Feedback on Staff:

An online feedback system is maintained as per ISO format and obtained thrice in a semester. The obtained feedback is available to Heads of Departments for counseling of faculty members. The feedback is also incorporated in updating the 7 points performance indicator for staff evaluation

Feedback on Curriculum:

Considered at the Departmental Meeting and suggestions are placed with feedback before the Board of Studies for discussion. The Board of Studies forwards the recommendation to Academic Council for approval with or without modification for implementation.

Feedback on Teaching Learning Evaluation:

Regular feedback from students on teaching-learning process is obtained and the same discussed in the departmental meeting and then suitable remedial actions are taken if necessary.

- c. Alumni and employers on the programmes and what is the response of the department to the same?

Feedback on programme are obtained from alumni, employers and personnel from Industries, their suggestions are included in the agenda for Board of Studies and implementation after due process for consideration.

30. List the distinguished alumni of the department (maximum 10)

S.No	Name of the Alumni	Year of Passing	Designation and Address
1.	Tamilarasan, G.	2005	Design Engineer, L&T, Chennai.
2.	Hemapriya, S.	2005	Design Engineer, L&T, Ramboll.
3.	Ashwin, M.	2007	Design Engineer, Essar Steels, Gujarat.
4.	Prabhu, P.	2007	Design Engineer, SGS groups, Coimbatore.
5.	Raghupathy, D.	2008	Design Engineer, L&T, Chennai.
6.	Sundar, M.	2008	Design Engineer, L&T, Chennai.
7.	Hariharasudhan, S	2009	Design Engineer, CADS India Pvt Ltd, Coimbatore.
8.	Rajkumar, T.	2010	Assistant Engineer, Rural Development
9.	Harineetha, S.N.	2012	Planning Engineer, Ramky Infra Structures, Bangalore.
10.	Saravanan, S.	2014	Sobha Developers, Bangalore

31. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

S.No	Date	Name of the Speaker / Convener & details	Topic
1.	30.03.2009	Mr. M. Dharmalingam Director M/s Dharmalingam Associates Coimbatore	Constructional Practices and Difficulties
2.	19.03.2009	Mr. Bharathi Selvam, HR, Humarn Resource Development, Chennai	Engineering Optimization
3.	20.07.2009	Mr. B. Kanagasabapathy Chartered Engineer and Govt. approved Valuer, Trichy.	Scope and Importance of Valuation
4.	17.08.2009	Mr. S. Rajendran Consulting Engineer Thanjavur	Cost Effective Technology for Housing
5.	07.09.2009	Mr. Kumara Murugan IDP Trainer. Kovilpatti.	Winning Strategies
6.	25.02.2010	Mr. R. Ilangovan, Executive Engineer Environmental - Division PWD Coimbatore	Role of Civil Engineers in Sustainable Development
7.	14.08.2010	Mr. B. Kanaka Sabapathy National Vice-President, Institution of Valuers (India)	Valuation of Land and Buildings
8.	17.07.2010	Mr. A. Suresh Planning Department URC Constructions Pvt Ltd	Opportunities for Civil Engineers in Future
9.	29.07.2010	Mr. N. Muralidharan Gareware Wall Ropes Ltd. Chennai	Geo-synthetic in Civil Engineering
10.	06.01.2010	Mrs. P. Brema Assistant Professor, Civil Engineering Karunya University	GIS and GPS Application in Water Resources
11.	02.04.2011	Mr. G.L. Sathyamoorthy Asst. Prof. Sr. G of Civil Engineering KCT, Coimbatore	Waste Water Treatment

12.	01.02.2011	Mr. B. Suresh Chief Manager Customer support & Service, A.C.C. Ltd, Coimbatore	Global Awards for Sustainable Construction
13.	02.02.2011	Mr. K.S. Narayan Zonal Head, Hyderabad BASE, Power Education.	Shortcut Methods of solving Aptitude & Puzzles
14.	28.02.2011	Dr. Arumai Raj Professor of Civil Engineering Government College of Technology, Coimbatore	Foundation Engineering –Case Study
15.	22.7.2011 to 26.7.2011	Mr. Iyappan Lakshmanan Mahedhiran Consultancy,CEO Kanchipuram.	Training on GIS
16.	11.02.2012	Mr. Iyappan Lakshmanan, Mahedhiran Consultancy,CEO & Managing Director, Kanchipuram.	Application of GIS & Remote Sensing in Civil Engineering
17.	07.02.2012	Mr. Kamaraj Mithiran Structures, Coimbatore	Design of Hollow Block Masonry Structures
18.	20.07.2012	Mr. R. Ilangoan, Executive Engineer (QC), PWD, Coimbatore	Recent Trends in Environmental Engineering
19.	02.08.2012	Mr. K. Balasubramaniam Deputy General Manager URC Construction, Erode	Quality Management and ISO Systems in Civil Engineering Final Year
20.	02.08.2012	Mr. K. Balasubramaniam Deputy General Manager URC Construction Pvt, Ltd. Erode	Quality Management and ISO Systems in Civil Engineering Third Year
21.	04.08.2012	Mr. Joe Paulson Senior Project Manager CCCL Pvt Ltd,Chennai	Marvels of Civil Engineering
22.	06.08.12	Mr. R. Ilangoan, Executive Engineer (QC), PWD, Coimbatore	Field Project Selection for Final Year
23.	18.09.2012	Mr .M. Prakash (Alumni) Assistant Engineer W.S. Atkins Ltd,Bangalore	Application in Civil Engineering
24.	18.09.2012	Mr. M.K. Haridharan (Alumni) Ph.D. Research Scholar NIT – Trichy	Higher Studies

25.	30.11.2012 & 01.12.2012	Mr. S. Dinesh Babu, Trainer C/O Six Phrase, P.N. Palayam, Coimbatore	Soft Skills
26.	04.12.2012	Mr. R. Ilangovan, Executive Engineer (QC), PWD, Coimbatore	Introduction - E-waste pathways - composition of E-waste
27.	04.12.2012	Mr. R. Karthick Managing Director Nithya - Space Planners, Coimbatore	Quality Control
28.	11.12.2012	Mr. R. Karthick Managing Director Nithya - Space Planners, Coimbatore	Quality Control
29.	12.12.2012	Mr. Marimuthuraj Suriya Construction Coimbatore	Logical comparison between science and vastu
30.	14.12.2012	Mr. R. Ilangovan, Executive Engineer (QC), PWD, Coimbatore	Need for E-waste Management
31.	17.12.2012	Mr. R. Ilangovan, Executive Engineer (QC), PWD, Coimbatore	Legislation in India
32.	08.01.2013	Mr. S. Jeyachandran ,Vice PresidentMaruthamGroup, Coimbatore (Video Conferencing)	Precast Construction Technology
33.	12.03.2013	Dr. K. Balasubramaniam Former Senior Scientist in SERC, General Manager, Hitech Concrete, Chennai	Concrete Technology
34.	12.04.2013	Mr. S. Arun Kumar Design Engineer Metis Structures Coimbatore	Future Trends in Civil Engineering
35.	27.06.2013	Mr. A. G. Marimuthuraj Vastu Specialist Suriyan Constrction Coimbatore	Vastu
36.	07.08.2013	Mr. T.S. RamaniSankar Chief Architect M/s. Sankar Associates Coimbatore	Challenges for students in the Construction Industry

37.	25.10.2013	Mr. Thilakranjith Managing Director JJ Designers Pvt. Ltd. Coimbatore	Role of Civil Engineers in Corporate Sector
38.	30.07.2013 to 10.08.2013	Mr. N. D. Prabhu, Six Phase, Coimbatore	Soft Skill Training
39.	16.12.2013	Retd. Chief Engineer Corporation of Chennai	Bridges
40.	07.01.2014	Er. N. Gudan Civil Engineer and Contractor RGP Constructions Erode	Basics of Civil Engineering
41.	24.02.2014	Mr. Ragavan Managing Director Ram Associates Coimbatore	Building Vastu
42.	28.02.2014	Dr. S. Krishnakumar Senior Technical officer Ministry of Defence Avadi, Chennai	Writing proposals for DRDO
43.	24.02.2014 to 26.02.2014	Mr. Sudharson KeyMind Learning India Private Ltd., Coimbatore	Resume Building, Professionalism, Etiquette & Dress Code
44.	25.3.2014 to 26.3.2014	Dr.Sashikala Keymind Learning India Private Ltd.,Coimbatore	Cause & Effect, Verbal Analogy
45.	26.06.2014	Mr. G. Tamilarasan Assistant Construction Manager Larsen & Toubro, Chennai	Practical Aspects In Construction Field
46.	23.08.2014	Mr. S. Sakthivelu Senior General Manager- Technical, Puravankara Projects Ltd, Coimbatore	Construction Management
47.	13.09.2014	Mr. M. Elanthendral Civil Engineer, ACC Cements Pvt. Ltd, Coimbatore	Repairs and Rehabilitation
48.	18.10.2014	Mr.S.Pichaiya Proprietor, Pichaiya and Associates Coimbatore	Importance of Internship and Inplant training

32. List the teaching methods adopted by the faculty for different programmes.
- Creative Learning Methodology
 - Layer learning / Learning by doing
 - Blackboard and ICT in each classroom
 - Conducting tutorials for analytical subjects
 - Training at Construction sites
 - Interactive sessions with invited resource persons
 - Charts and models in all the laboratories and workshops for understanding of the practical subjects
33. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?
- Three periodical exams are conducted prior to the end semester examination to continuously monitor the learning depth of students
 - Mini projects, participation in seminar and presentation of papers are made mandatory to check and analyze the learning outcome
 - Mock interviews and group discussions are organized to the pre-final year and final year students to measure their performance
 - Performance indicators of students and faculty are defined and reviewed constantly after each periodical test. After review the remedial action taken.
 - As per ISO 9000 periodic auditing by internal and external audit teams is done twice a year. The report is considered by the department and suitable action is taken to set right any deficiencies.
34. Highlight the participation of students and faculty in extension activities.
- Students are encouraged to participate in the Extension Activities through various societies including NSS and NCC. Besides, students are motivated to participate in following activities.
 - Voluntary services in +2 / Diploma students motivational programmes

Faculty Members of the department are actively involved in the extension activities individually or jointly with other departments, clubs and Societies.

- Delivering lectures in other institutes and industries related to societal projects
- Consultancy services related to the Societies
- Research activities based on social issues like water, pollution, employment.

35. Give details of “beyond syllabus scholarly activities” of the department.
- Scholarly activities are undertaken, beyond the syllabi, to inculcate research and industry orientation by the students with the help of faculty members.

Some of the initiatives are

- One credit courses
- Self - Study electives
- Value Added courses
- Technical Seminars
- Workshops and Expert's Lectures
- Projects with Research Focus
- Industrial Visits
- Internships
- Coaching classes for GATE
- Personality Development Programme
- Language Training and British English Certification
- Quality Circle
- Preparation of Displays on New Technology/ Products

36. State whether the programme/ department is accredited/ graded by other agencies. Give details.

- Accredited for three years by NBA with effect from 2009
File. No. NBA/ACCR -728/2004 dated 17.03.2009

37. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strength	Weakness	Opportunities	Challenges
<ul style="list-style-type: none"> • Well equipped laboratories • Qualified Faculty • Testing and design consultancy works • Students training • Industry - Institute Interaction 	<ul style="list-style-type: none"> • Low interaction with foreign universities • Less number of Faculty Development Programmes organized • Low level of placements in core companies 	<ul style="list-style-type: none"> • Entrepreneurship development • Product oriented student design contest • Enhancing consultancy work • Exposure to Industry Defined Problems • Involvement in research activities 	<ul style="list-style-type: none"> • Low entry level salary in core companies. • Heterogeneous levels of students. • To establish credibility in comparison among other colleges • Catering to high aspirations of industries • Motivation of students for higher education

39. Future plans of the department:

1. To establish a Centre of Excellence in Structural Engineering
2. To establish a Civil Engineering Technological park, on modern building materials, systems and processes related to Civil Engineering
3. To introduce and develop visualization techniques in STEM subjects

Annexure A

1. N. Arunachalam, "Comparison of the Total Cost of Various Designs of RC Columns", IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-IISN: 2278-1684, p-ISSN: 2320 - 334X PP 01-07 April 2014.
2. N. Arunachalam "Development of Innovative Building Blocks", IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-IISN: 2278-1684, p-ISSN: 2320 - 334X PP 01-07 April 2014.
3. N. Arunachalam, "influence of shape of directrix on the stresses of cylindrical shell roofs", International Journal of Civil Engineering and Technology. ISS-3, vol-5, P.P. 238-244.
4. N. Arunachalam and M. Arun, "Experimental Investigation on Flexural Strength of Reinforced Concrete Hollow Beams", International Journal of Earth Sciences and Engineering ISSN 0974 - 5904, Vol 07, No. 02 April 2014, P.P. 712-719.
5. G. Anusha and Suneeth Kumar S.M. "Removal of Fluoride from aqueous solution using almond shell as adsorbent", Environmental Pollution Control Journal, Vol. 14, No. 3, pp 18-20, 2011.
6. G. Anusha and Suneeth Kumar S.M. "Removal of Iron from wastewater using gooseberry seed (big) as adsorbent", Indian Journal of Science and Technology, Special issue, pp. 13, 2010.
7. G. Anusha and Suneeth Kumar S.M. "Adsorption of Iron from aqueous solution using small gooseberry seed as adsorbent", Pollution Research Journal, Vol. 30, No. 3, pp. 361-363, 2011.
8. G. Anusha and Suneeth Kumar S.M. "Adsorption of Iron from aqueous solution using Limonia Acidissima fruit shell activated carbon as an adsorbent", Nature Environment and Pollution Technology Journal, Vol. 10, No. 4, pp. 637-638, 2011.
9. G. Anusha and Suneeth Kumar S.M. "Adsorption of Iron from aqueous solution using Limonia Acidissima fruit shell activated carbon as an adsorbent", Nature Environment and Pollution Technology Journal, Vol. 10, No. 4, pp. 637-638, 2011.
10. S. M. Suneeth Kumar "Biphasic Anaerobic Digestion of the Organic Fraction Of Municipal Solid Through UASB Reactor - A study", Pollution research, 28(2), 2009, 239-246 Technology Journal, Vol. 10, No. 4, pp. 637-638, 2011.
11. G. Anusha, Raja Murugadoss J. and Raju, P. "Adsorption of Fluoride from Aqueous solution using Emblica Officinalis seeds as adsorbent", Indian Journal of Engineering Science and Technology, Vol. No. 5, No. 1 Jan - June 2011
12. G. Anusha, Raja Murugadoss J. and Raju, P. "Adsorption of Fluoride from Aqueous solution using Limonia Acidissima seeds as adsorbent", The Asian Review of Civil Engineering, Vol 1. No. 1, pp. 15-18, 2012.
13. G. Anusha, Jeyaraman A., Senthil Kumar V., and Saravanan M. "Optimization of partially replacement on natural sand and ordinary Portland cement by M - sand and lime stone powder", International Journal of Engineering Sciences and Research Technology, Vol. 3(3), pp 1270 -1276, 2014.
14. G. Anusha, Jeyaraman A., and Saravanan M. "Comparative study on M - sand concrete and Nano Silica with M- sand Concrete", International Journal of Scientific Engineering and Technology Research, Vol. 3(3), pp 0444 -0448, 2014.
15. G. Anusha, Raja Murugadoss J "Adsorption of Fluoride from Agro Based Adsorbent", International Journal of Science and Research Vol. 3 Issue 9, pp. 1-3, 2014.

16. S.Loganayagan, "Development of modal split modeling for Chennai", International Journal of modern trends in engineering and science Vol. 1 Issue 6, 2014.
17. V. Senthilkumar ,A. Jayaraman "Optimization of fully replacement of natural sand by m-sand in high performance concrete with nanosilica", International Journal of Emerging Technology and Advanced Engineering Volume 3, June 11, November 2013.
18. V. Senthilkumar "Compressive and tensile strength of concrete using lateritic sand and lime stone filler as fine aggregate", International Journal of Research in Engineering and Technology Vol. 03 Issue 01 January 2014.
19. V. Senthilkumar "Enrichment of compressive strength in microbial cement mortar" ,Advances in Cement Research Feb-14.
20. V. Senthilkumar "Strength characteristics of microbial cement mortars treated in different calcium sources", Advances in Cement Research Vol. 26 Issue 1 Feb-14.
21. V.Senthilkumar "Fortification of compressive strength in Enterococcus micro organism incorporated microbial cement mortar", International Journal of chemtech Research Col 6, No. 1pp 636-644 Jan –Mar 2014.
22. V.Senthilkumar "Comparative studies on strength characteristics of microbial cement mortars" ,International Journal of chemtech Research Col 6, No. 1pp 578-590 Jan-Mar 2014.
23. S. Ramakrishnan "Behavior of Cement -Rice Husk Ash Concrete for Pavement", International Journal of Emerging Trends in Engineering and Development Issue 4, Vol.1 January 2014.
24. M. Arun "Behaviour and strength of high strength R.C Tbeams with stirrups", International Journal of Emerging Trends in Engineering and Development, 2013.
25. M. Arun "An overview of interface behavior between concrete to concrete", International Journal of Advanced Structures and Geotechnical Engineering, 2014.
26. S. Ramakrishnan and M. Arun "Size effect on shear behaviur high strength R.C.slender beams", International Journal of Research in Engineering and Technology, 2013.
27. M. Saravanan "Compressive and tensile strength of concrete using lateritic sand and lime stone filler as fine aggregate", International Journal of Research in Engineering and Technology Vol. 03 Issue 01 January 2014.
28. M. Saravanan and V. Jayanthi "Optimization of truss structures using cuckoo search algorithm", International Journal of Advanced Structures and Geotechnical Engineering Vol.03, No. 02 April 2014.
29. M. Saravanan "Optimum Design of Trusses by Cuckoo Search", International Journal of Civil, Architectural, Structural and Construction Engineering Vol:08 No:6, 2014 (Annexure II),
30. A. Jayaraman "Optimization of fully replacement of natural sand by m-sand in high performance concrete with nanosilica", International Journal of Emerging Technology and Advanced Engineering Volume 3, June 11, November 2013.
31. A. Jayaraman "Fully Replacement of Natural Sand with hydro Sluiced Bottom Ash in High Performance Concrete with Nanosilica", International Journal of ChemechResearch Vol.6 No.2 pp 948-954 April - June 2014 (Annexure II).

Publications Vs Impact factor

S.No	Journal title	Number of Papers Published	Impact Factor
1	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE).	2	1.485
2	International Journal of Earth Sciences and Engineering.	1	-
3	Pollution Research Journal.	2	0.12
4	Environmental Pollution Control Journal.	1	-
5	Indian Journal of Science and Technology	1	-
6	Nature Environment and Pollution Technology Journal	1	1.621
7	The Asian Review of Civil Engineering.	1	-
8	International Journal of Engineering Sciences and Research Technology.	1	1.852
9	International Journal of Scientific Engineering and Technology Research.	1	0.805
10	International Journal of Science and Research.	1	3.358
11	International Journal of Emerging Technology and Advanced Engineering.	2	1.93
12	International Journal of Research in Engineering and Technology.	4	2.35
13	Advances in Cement Research.	2	0.794
14	International Journal of chemtech Research.	3	0.3
15	International Journal of Emerging Trends in Engineering and Development.	2	0.578
16	International Journal of Scientific Engineering and Technology Research.	1	2.73
17	International Journal of Advanced Structures and Geotechnical Engineering.	2	3.929
18	International Journal of Civil, Architectural, Structural and Construction Engineering.	1	0.5910

19	International Journal of Civil Engineering and Technology.	1	7.9290
20	International Journal of modern trends in engineering and science.	1	0.95

Citation &H-Index

S. No	Journal /Conference Title	Paper Title	Year	Number of Citations	H-Index
1	International proceedings of second international conference on chemical, biological &environmental engineering.	The removal of iron from waste water using wood apple shell as adsorbent.	2011	1	-
2	Nature Environment and Pollution Technology Journal.	Adsorption of Iron from aqueous solution using LimoniaAcidissima fruit shell activated carbon as an adsorbent.	Vol.10, No .4,pp. 637-638, 2011	2	2
3	Environmental Pollution Control Journal.	Removal of Fluoride from aqueous solution using almond shell as adsorbent.	Vol. 14, No. 3 , pp 18-20, 2011	1	-

Journals Vs SNIP

S.No	Journal Title	Number of Papers Published	SNIP
1	International Journal of Advanced Structures and Geotechnical Engineering.	1	0.116

JournalsVs SJR

S.No	Journal Title	Number of Papers Published	SJR
1	International Journal of Advanced Structures and Geotechnical Engineering.	1	0.028
2	Pollution Research Journal.	1	0.12
4	Earth Sciences and Engineering.	1	0.16
5	Nature Environment and PollutionTechnology Journal.	1	0.14

Evaluative Report of the Department

1. Name of the Department & its year of establishment: Information Technology;
year of establishment: 1999
2. Names of Programmes / Courses offered:
 - UG : B.Tech - Information Technology
 - PG : M.E - Software Engineering
 - Ph.D : Information and Communication Engineering

3. Interdisciplinary courses and departments involved :

S.No	Department	Interdisciplinary Courses offered
1	Computer Science and Engineering	C# and .Net
2	Biotechnology	Environmental Biotechnology
3	Electronics and Communication Engineering	Machine Vision
		Wireless Ad-Hoc Network and Security
4	Electrical and Electronics Engineering	Creativity and Innovation

4. Annual / semester/choice based credit system
Semester System with Choice Based Credit System
5. Participation of the department in the courses offered by other departments:

S.No	Name of the Department Involved	Courses offered
1	Aeronautical Engineering	C Programming
2	Electronics and Instrumentation Engineering	
3	Electrical and Electronics Engineering	
4	Textile Technology	Fundamentals of Computer Programming
5	Fashion Technology	Computer Programming
6	Electrical and Electronics Engineering	Creativity and Innovation
7	Computer Science and Engineering	Digital Image Processing
		C# and .Net

6. Number of teaching posts sanctioned and filled (Prof. / Assoc. Prof. / Asst. Professors)

Position	Sanctioned		Filled	
	UG	PG	UG	PG
Professor	2	-	3	1
Associate Professor	4	-	5	-
Assistant Professor	18	4	18	3
Total	24	4	26	4

7. Faculty profile with name, qualification, designation, specialization

Sl. No	Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for last 4 years
1	Dr. C. Palanisamy	Ph.D.	Professor and Head	Information and Communication Engineering	14 yrs 3 months	-
2	Dr. Amitabh Wahi	Ph.D.	Professor	Electronics Engineering	12 yrs 1 months	2
3	Dr. R.V. Nataraj	Ph.D.	Professor	Information and Communication Engineering	9 yrs 9 months	-
4	Dr. A. Bharathi	Ph.D.	Professor	Information and Communication Engineering	16 yrs 2 months	-
5	Dr. C. Poongodi	Ph.D.	Associate Professor	Information and Communication Engineering	13 yrs 9 months	-
6	Dr. D. Deepa	Ph.D.	Associate Professor	Information and Communication Engineering	12 yrs 3 months	-
7	Dr. P. Sengottuvelan	Ph.D.	Associate Professor	Computer Science and Engineering	9 yrs 11 months	1
8	Dr. S. Daniel Madan Raja	Ph.D.	Associate Professor	Information and Communication Engineering	11 yrs 4 months	-

Sl. No	Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for last 4 years
9	Mr. S. Sundaramurthy	M.E.	Associate Professor	Computer Science and Engineering	13 yrs 8 months	-
10	Mrs. G. Srinitya	M.E.	Assistant Professor(Sr.G)	Software Engineering	12 yrs 5 months	-
11	Mr. M. Ravichandran	M.E.	Assistant Professor(Sr.G)	Computer Science and Engineering	12 yrs 2 months	-
12	Mr. T. Vijaya Kumar	M.E.	Assistant Professor(Sr.G)	Communication Engineering	9 yrs 8 months	-
13	Ms. K. Gandhimathi	M.E.	Assistant Professor(Sr.G)	Communication Engineering	7 yrs 10 months	-
14	Mr. T.Gopalakrishnan	M.E.	Assistant Professor(Sr.G)	Communication Engineering	6 yrs 9 months	-
15	Mr. R. Vinothsaravanan	M.E.	Assistant Professor	Computer Science and Engineering	6 yrs 11 months	-
16	Mr. R. Lokesh Kumar	M.Tech.	Assistant Professor(Sr.G)	Information Technology	4 yrs 2 months	-
17	Mrs.N.R.Gayathri	M.E.	Assistant Professor(Sr.G)	Software Engineering	12 Yrs 2 months	-
18	Mr. D. Rajesh Kumar	M.Tech.	Assistant Professor	Information Technology	3 Yrs 5 Months	-
19	Ms. S. Naveena	M.Tech.	Assistant Professor	Information Technology	1 Yr 9 Months	-
20	Ms. S. Malathy	M.E.	Assistant Professor	Computer Science and Engineering	1 Yr 9 Months	-
21	Ms. D. Saranya	M.E.	Assistant Professor	Software Engineering	2 Yr 9 Months	-
22	Mr. R. Arulmurugan	M.Tech.	Assistant Professor	Information Technology	3 Yr 8 Months	-
23	Ms. V.J. Aiswaryadevi	M.E.	Assistant Professor	Software Engineering	9 Months	-
24	Ms. Bessy M Kuriakose	M.Tech.	Assistant Professor	Network and Internet Engineering	9 Months	-
25	Mr. L.V. Arun Shalin	M.E.	Assistant Professor	Computer science and Engineering	4 Yrs 5 Months	-

Sl. No	Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for last 4 years
26	Ms. K.S. Priyadharshini	M.Tech.	Assistant Professor	Information Technology	9 months	-
27	Ms. E.J. Yamini	M.E.	Assistant Professor	Computer Science and Engineering	9 months	-
28	Mr.A.Dennis Ananth	M.Tech.	Assistant Professor	Software Engineering	7 Yrs 6 months	-
29	Mrs.A.Kodieswari	M.E.	Assistant Professor	Computer Science and Engineering	6 months	-
30	Ms.A.Kavitha	M.E.	Assistant Professor	Computer Science and Engineering	1 yr 3 months	-

8. Percentage of classes taken by temporary faculty – programme-wise information: Nil

9. Programme-wise Student Teacher Ratio

S.No	Programme	Student Teacher Ratio
1	UG	14:1
2	PG	12:1

10. Number of academic support staff (technical) and administrative staff:

Staff	Sanctioned	Filled
Academic Support Staff	4	4
Administrative Staff	2	2

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

a) National(**On-going Projects**):Number of faculty involved:1

Sl. No	Principal Investigator	Funding Agency	Period	Title of the Project / Event	Amount (Rs Lakhs)	Year of Sanction	Status
1	Dr. P. Sengottuvelan Mr.R.Lokesh Kumar Mr.T.Gopala Krishnan	Department of Information Technology, Govt. of India	3 years	Personalized and Performance Based R-Learning Tool for Existing E-Resources	11.90	2012	Ongoing

National(**completed Projects**):Number of faculty involved:6

No	Principal Investigator	Funding Agency	Period	Title of the Project / Event	Amount (Rs in Lakhs)	Year of Sanction	Status
1	Dr. A. Shanmugam Prof.C.Poongodi Prof.D.Deepa	AICTE	2 years	Design of printed Dipole Antennal for UHF-RFID Reader in Stock Control Application	8.10	2011	Completed
2	Dr. Amitabh Wahi Dr.C.Palanisamy Prof. S Sundaramurthy	AICTE	2 years	Moments and Fourier based 2D invariant Object Recognition	3.50	2010	Completed
3	Dr. C. Palanisamy Dr. R. Harikumar	DRDO	1 Year	A Detailed Study on Wavelet Networks for Epilepsy Risk Levels Classifications for EEG Signals	3.79	2010	Completed
Total Amount (Rs in Lakhs)					15.39		

b) International Funding Agencies: Nil

c) Total Grants Received: Rs. 11.90 Lakhs

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received

Nil

13. Research facility / Centre with

- State recognition - Approved Centre for Research by Anna University, Chennai

- National recognition - Funds for Research Projects are received from DST, DBT & DRDO

14. Publications (Last 5 years):

- Number of papers published in peer reviewed journals:
 - National: 10
 - International: 91
- Monographs – 2
- Chapter(s) in Books – 1
- Editing Books – 1
Dr. C.Palanisamy, Digital Communicatio,Intech Publishers,2012, ISBN: 978-953-51-0215-1
- Number listed in International Database - 46
- Citation Index – range/average; Min:1, Max:110; Average:24.2 (Google Scholar)
- SNIP – Range/Average:- Min:0.020, Max: 0.080, Average: 0.04
- SJR – Range / Average: Min: 0.071, Max: 0.098, Average: 0.082
- Impact factor – range / average: Min: 0.1 Max: 2.6 Average: 1.04
- h-index : Min – 1; Max – 5; Average:2.3

15. Details of patents and income generated: Nil

16. Areas of consultancy and income generated: Rs. 8,25,500/-

Sl. No.	Area of Consultancy	Organization	Investigators	Income Generated (in Rs)	Status
1	Pencil Defects Identification	Umesh Pencils Limited, Pollachi	Dr.C. Palanisamy Dr. A.Wahi Mr.S. Sundaramurthy	4,15,500	Phase – I Completed with concept proof
2.	Drowsy Driver Detection System Using Image Processing	Pricol Limited, Coimbatore	Dr.A.Wahi D. Rajeshkumar	4,10,000	Completed

17. Faculty recharging strategies

- Experts from industry and academia are invited to give guest lectures on research oriented, industry oriented, society oriented problems and topics related to emerging areas to motivate the faculty.

- Deputing faculty members for Faculty Development Programmes organized by other Institutions and external agencies.
- Faculty members are deputed to undergo Industrial Training and visit Industries to know about any problems and offer consultancy for minor ones and take up major ones as sponsored projects.
- Training based on Bloom's Taxonomy way of teaching.

18. Student projects

- Percentage of students who have done in-house projects including inter-departments and projects in collaboration with Industries / Institutes .

S.No	Name of the Programme	In-house and Inter departmental	collaboration with industries / institutes
1	UG	68%	32%
2	PG	88%	12%

19. Awards / recognitions received at the national and international level by

- Faculty - Nil
- Students - Ms. M Nivetha (092IT153), 3rd year, selected to attend the 15th Japan – India Students Conference (JISC) held from 10 – 20 September 2011 in Japan.

20. Seminars/ Conferences/Workshops organized and the source of funding (National /International) with details of outstanding participants, if any.

Total:11

Sl.No	Event	Title	Period	Sources of Funds	Participants
1	National Conference	Recent Trends in Information & Communication Technology	08.04.2011 to 09.04.2011	Self-supporting	100
2	Workshop	Intelligent Data Analytics and Image Processing	14.10.2011 to 15.10.2011	Self-supporting	105
3	Workshop	Ethical Hacking	17.02.2012	ISTE, New Delhi	140
4	Workshop	Mobile Apps	18.02.2012	ISTE, New Delhi	140

5	Workshop	Wireless Networks and Network Simulators	20.01.2012 to 21.01.2012	CSIR, New Delhi	145
6	FDP	FDP on Research Issues in Wireless Technology	27.02.2012 to 05.03.2012	AICTE, New Delhi	50
7	Workshop	Android – Mobile Apps	24.03.2012	Self-supporting	60
8	National Conference	Recent Trends in Information & Communication Technology	02.04.2012 to 03.04.2012	Self-supporting	150
9	National Conference	Recent Trends in Information & Communication Technology	12.04.2013 to 13.04.2013	Self-supporting	71
10	Workshop	Android Workshop	20.09.2013 to 21.09.2013	Self-supporting	81
11	Workshop	Android Hacking & Penetration Testing HACKERHUNT'2014	13.03.2014 to 14.03.2014	Self-supporting	120

21. Student profile course-wise:

Name of the Course	Applications Received	Year	Selected		Pass Percentage	
			Male	Female	Male	Female
B.Tech- Information Technology (UG)	130	2011	69	61	98	98
		2012	69	78	92	100
		2013	76	56	84	100
M.E- Software Engineering (PG)	18	2011	5	13	100	100
		2012	9	11	100	100
		2013	6	12	100	100

22. Diversity of Students

Name of the Course	Year	% of students from the college	% of students from the state	% of students from other States	% of students from other countries
B.Tech-Information Technology (UG)	2011	-	100	-	-
	2012	-	100	-	-
	2013	-	98.5	1.5	-
M.E-Software Engineering (PG)	2011	11.10	100	-	-
	2012	16.70	100	-	-
	2013	5.50	89.5	10.5	-

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

Examination	Total Number of Students Qualified
GATE	5
IELTS	2
TANCET	17
Defense Services	1

24. Student progression (last 3 years)

Student progression	Percentage against enrolled		
	2010-2011	2011-2012	2012-2013
UG to PG	3.8%	3.4%	9.8%
PG to Ph.D	16.6%	26%	11.1%
Employed			
Campus Selection	82.3	69.3	59.09
Other than campus recruitment	2.3	3.4	4.5

25. Diversity of staff - **Percentage of faculty who are graduates**

Percentage of faculty who are graduates	
of the same parent university	86.66
from other universities within the State	6.66
from other universities from other States	6.66

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

Ph.D : 06

Sl.No	Faculty Name	Year of Award
1	Mr.C.Palanisamy	2009
2	Mr.P. Sengottuvelan	2010
3	Mrs.A.Bharathi	2012
4	Mr.S.Daniel Madan Raja	2013
5	Mrs.Dr.D.Deepa	2013
6	Mrs.C.Poongodi	2014

27. Present details about infrastructural facilities

- a) Department Library
- No. of Books : 773
 - No. of Journals (AICTE Approved) : 51 (National: 37
International:14)
 - E-Journals : 134(As per mandatory subscription of e-journal packages for all Engineering Institutions conductind UG/PG courses by AICTE)
- b) Internet facilities for staff and students : 100Mbps (Sharing)
- c) Total number of classrooms : 10
- d) Classrooms with ICT facility : 10
- e) Students' laboratories : 6
- f) Research laboratories : 1

28. Number of students of the department getting financial assistance from College.

- Total number of students : 406
- Total Amount : Rs.29,33,767/-

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

Yes,

- a. Opinions and suggestions from Employers, Alumni and Industries are obtained.
- b. Referring to Programmes offered by MIT (USA), Stanford University and interaction with professors of IITs, NITs and Research Centers.
- c. All the inputs given by stakeholders are placed in the BOS. These suggestions are taken when framing the curriculum and syllabi for a new programme and are placed before Academic Council for approval with or without modification.

30. Does the department obtain feedback from
- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?
 - Yes, suggestion from faculty on curriculum and syllabi are obtained, they are forwarded to Board of Studies Meeting and included in the draft syllabus. The recommendations of the Board of Studies is placed in the Academic Council for approval with or without modification.
 - Feedback on teaching methodology and mode of evaluation are discussed in the department meetings, modified and changed if necessary and the faculty concerned are properly counselled.
 - b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Feedback on Staff: Regular feedbacks are obtained from the students on faculty. If any defects are indicated the concerned faculty is suitably advised by the HOD and other remedial actions taken. This feedback is also incorporated in updating the 7 points performance indicator for staff evaluation.

Feedback on Curriculum: Two student members participate in Board of Studies (BoS) Meeting to offer their feedback on curriculum. The BoS forwards this to Academic Council for approval with or without modification.

Feedback on Teaching Learning Evaluation: Academic Resource Cell of Institute obtain frequent feedback from students on teaching - learning process and feedback details are discussed in department meetings and suitable remedial actions are taken if necessary.

- c. Alumni and employers on the programmes and what is the response of the department to the same?
 - Regular feedbacks are obtained from Alumni and the employers on the programme (Programme Educational Objectives, curriculum, performance of the students in industry), discussed in the BoS meeting and valuable suggestions are considered for implementation.

31. List the distinguished alumni of the department (maximum 10)

S.No	Name	Batch	Company Name	Current Position
1	Robinston P Rayen	2003	Dell, Bangalore	Product Marketing Manager
2	M R Balamurugan	2003	Infosys, Bangalore	Senior Consultant
3	V Aswin Prabhu	2005	IBM, Bangalore	Team Leader
4	S Nandakumar	2005	NDot, Coimbatore	Founder and CEO
5	S Paramasivam	2006	CTS, Coimbatore	Technical Head
6	K Sahidhya	2007	McAfee, Bangalore	Senior Software Engineer
7	C Ram Kumar	2008	Verizon, USA	Technical Lead
8	M Prasannakumar	2008	Polaris, Chennai	Program Analyst
9	R Gopalakrishnan	2009	Defense, Hyderabad	Flying Officer
10	N Harish Kumar	2010	Excelacom, Chennai	HR

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

- Special lectures & Seminars : 51
- Workshops : 11

33. List the teaching methods adopted by the faculty for different programmes.

- Creative Learning Methodology with Scientific Learning Skills
- Seminars
- Guest Lectures
- Webinars
- Mini Projects
- Layer Learning/ Learning by doing
- Industrial visits
- In-plant training

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- Feedback from the students are obtained after each periodical test. The students performance in the tests as well as staff performance are analyzed. Remedial actions are promptly taken if any deficiency is observed. The performance indicators of the staff are updated accordingly.
- ISO audit is done twice in a year. The report is considered and suitable action is taken.

35. Highlight the participation of students and faculty in extension activities.

Students:

- Students participated in activities such as *Swacch Bharath*, Blood Donation, Interacting with Orphans, Tree Plantation and organizing Medical Camps under NSS and NCC schemes.
- Faculty members are doing consultancy service and research on social issue like E-Governance for Erode Collectorate Office.

Staff:

- Conducted Women Developmental activities such as Basic Computer Training to the Rural Women.

36. Give details of “beyond syllabus scholarly activities” of the department.

Scholarly activities are undertaken, beyond the syllabi, to inculcate research and industry orientation by the students with the help of faculty members.

Some of the initiatives are

- Soft skill training
- Depute students to various programmes that are held in India and Abroad
- Participation in workshops, seminars & conferences
- Industrial visit for students
- In-plant training/internships for students
- Conducting technical and project design contest
- Guest lectures
- One Credit Courses
- Self-study Electives
- Value Added Courses
- Special Courses

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.

UG Programme is accredited for 3 years by NBA, New Delhi with effect from December 2011. File No. 33-30/2010/NBA dated 25/04/2011.

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strength	Weakness	Opportunities	Challenges
<ul style="list-style-type: none"> Laboratory Facilities Experienced Faculty Industry Interaction Flexible Curriculum Placement and regular conduct of seminars, conferences & workshops 	<ul style="list-style-type: none"> Only a section of students appear for competitive examinations Less number of MoUs No patents 	<ul style="list-style-type: none"> Industry Collaboration To get external funding from agencies To get more R&D projects To set up specialized labs Faculty training in Recent Technologies 	<ul style="list-style-type: none"> Retaining the students to do innovative projects with social relevance Getting Industry defined problems Train faculty through development programmes Improve industry institute collaboration Getting placements and good academic records for the lateral entry students

39. Future plans of the department

- To introduce and develop Visualization techniques for STEM (Science, Technology, Engineering, Mathematics) subjects. It will be useful for bridging the gap between knowledge and application.
- To establish a Centre of Excellence in Cloud Computing and applications.
- To establish “Interdisciplinary Research Centre/Park” which will provide a meeting ground for the faculty and entrepreneurs. Considering the availability of qualified faculty conducting sponsored research, well equipped laboratories and incubation centre, this research centre will provide all necessary inputs for entrepreneurship.

Evaluative Report of the Department

1. Name of the Department & its year of establishment: Textile Technology; Year of Establishment :1996
2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) -
 UG : B.Tech. - Textile Technology
 Ph. D. : Textile Technology

3. Interdisciplinary courses and departments involved

S.No	Course Offered	Departments Involved
1.	Fundamentals of Computer Programming	Information Technology
2.	Instrumentation and Control Engineering	Electronics and Instrumentation Engineering
3.	Theory of Machines	Mechanical Engineering

4. Annual / semester/choice based credit system -
 Semester System with Choice Based Credit System

5. Participation of the department in the courses offered by other departments

S.No	Name of the Department	Interdisciplinary courses offered
1	Fashion Technology	i. Fabric structure ii. Textile Chemical Processing iii. Engineering Economics iv. Professional Ethics

6. Number of teaching posts sanctioned and filled (Prof / Assoc Prof / Asst. Professors)

Position	Sanctioned	Filled
Professor	1	3
Associate Professor	2	0
Assistant Professor	9	10
Total	12	13

7. Faculty profile with name, qualification, designation, specialization

No	Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for last 4 years
1	Dr. D. Saravanan	Ph.D.	Professor & Head	Textile Technology	23	6
2	Dr .A. Venkatachalam	Ph.D.	Professor	Textile Technology	37	3
3	Prof. L.R. Chandru	M.Tech.	Professor	Textile Engineering	33	-
4	Mr. P.N.R.Jeevananthan	M.Tech.	Asst.Prof (Sl.G)	Textile Engineering	28	-
5	Dr. T. Gobikannan	Ph.D.	Asst.Prof (Sl.G)	Textile Technology	2	-
6	Mr. V.Thanbal	M.Tech.	Asst.Prof (Sr.G)	Textile Technology	28	-
7	Mr. T.Ganesan	M.Tech.	Asst.Prof (Sr.G)	Textile Engineering	8	-
8	Mr. M. Gobalakrishnan	M.Tech.	Asst.Prof (Sr.G)	Textile Technology	7	-
9	Mr. E. Tholkappiyan	M.Tech.	Asst.Prof (Sr.G)	Textile Technology	6	-
10	Mr. A. Selvakumar	M.Tech.	Asst.Prof	Textile Technology	8	-
11	Mr. R.Vijayasekar	M.Tech.	Asst.Prof	Textile Engineering	7	-
12	Ms.T.V. Ayeshvaryaa	M.Tech.	Asst.Prof	Fibre Sci & Technology	1	-
13	Ms. S. Tharageshvari	M.Tech.	Asst. Prof	Textile Technology	1	-

8. Percentage of classes taken by temporary faculty - programme-wise information - Nil

9. Programme-wise Student Teacher Ratio - 14:1

10. Number of academic support staff (technical) and administrative staff:

Staff	Sanctioned	Filled
Technical	7	7
Administrative	2	2

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

Number of Faculty involved : 03

- a. National Agencies : (i) EDI Ahmedabad, (ii) DBT, New Delhi, (iii) AICTE – New Delhi, (iv) FICEA, Cochin
- International Agencies : Nil
- b. Total Grants Received : Rs 21.71 Lakhs
- On-going : Rs 6.45 lakhs
- c. Completed Projects : Rs 15.26 Lakhs

On-going Projects:

Sl. No	Principal Investigator	Funding Agency	Period	Title of the Project / Event	Amount (Rs Lakhs)	Year of Sanction	Status
1	Dr. D. Saravanan	EDI, Ahmedabad	2013-14	Entrepreneurship Awareness Programme	0.65	2013	On-going
2	Dr D Saravanan Prof LR Chandru Mr V Thanabal	FICEA, Cochin	2014-2015	Design and Development of Coir Processing Machine	5.80	2014	On-going

Completed projects:

No	Principal Investigator	Fun-ding Agen-cy	Period	Title of the Project / Event	Amount (Rs in Lakhs)	Year of Sanction	Status
1	Mr Saravanan D.	DBT, New Delhi	Sept 07 – Mar 09	Single Stage Process for Preparation and Finishing of Cotton Fabrics	5.20	2007	Completed
2	Mr. Saravanan D	AICTE, New Delhi	Dec 08 - Dec 10	Combined Plasma-Enzyme Treatment for Preparation of Cotton Fabrics	4.35	2008	Completed

No	Principal Investigator	Fun-ding Agen-cy	Period	Title of the Project / Event	Amount (Rs in Lakhs)	Year of Sanc-tion	Status
3	Dr Saravanan D	DBT, New Delhi	2011 - 13	Scale-up Process of Single Stage process for preparation and finishing of cotton fabrics	4.93	2011	Comple ted
4	Mr Ganesan T	Villgro Students Project Scheme	2011-12	Design and Development of Fiber Extracting machine for Xerophytic plants	0.22	2012	Comple ted
5	Mr Shanmugam G	Villgro, IIT M	2010-11	Continuous Weft insertion by Electro-magnetic Shuttle	0.30	2011	Comple ted
6	Dr Saravanan D	Villgro, IITM	2010-11	Sound Absorption Bricks	0.20	2010	Comple ted
7	Mr Selvakumar R	TNSCST, Chennai	2009-10	Sound Absorption Nonwoven Materials	0.06	2010	Comple ted
Total Amount (Rs in Lakhs)					15.26		

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.;

Total Grants Received: Rs 14.66 Lakhs

Project Title	Project Duration	Funding Agency	Amount Received (Rs in Lakhs)
AICTE - MODROB for Modernization of Weaving Laboratory	2012-13	AICTE, New Delhi	14.66

13. Research facility / Centre with

- **State recognition** - Approved Collaboration Centre for Research by Anna University, Chennai
- **National recognition** - Nil
- **International recognition** - Nil

14. Publications (Last 5 years):
- Number of papers published in peer reviewed journals:
 - National : 22
 - International : 25
 - Monographs : 3 (Spinning, Garment Costing and Home Textiles)
 - Chapter(s) in Books : 6 (4 under publication & 2 Published)
 - Editing Books : Nil
 - Books with ISBN numbers with details of publishers :1
 - Number listed in International Database :25
 - Citation Index – range / average;- 01 to 30; 8 (Google Scholar)
 - SNIP – Range/ Average:- Min:0.236, Max: 2.018, Average: 1.72
 - SJR – Range / Average:- Min: 0.100, Max: 1.235, Average: 0.75
 - Impact factor – range / average: Min:0.294 Max: 3.942 Average: 0.375
 - h-index : Min – 2; Max – 6
- (Details given at the end of the Report)
15. Details of patents and income generated:
- Patents Registered – 2: Income - Nil
16. Areas of consultancy and income generated: Testing of Textile Materials
- Income through testing services – Rs. 26,750/- (for the academic year of 2012-2013)

S.No	Area of Consultancy	Income Generated (Rs)
1	(i)Plasma Treatment (ii) Fibre , yarn and fabric testing	26,750/-

17. Faculty recharging strategies
- Faculty Development Programmes in Specific Areas
 - Deputation of Faculty to participate faculty development programmes organized by other Institutions and locally
 - Industrial Training and Industrial Visits
 - Interaction with Experts from Industry and Academia
 - Deputing to participate in national and international seminars/conferences.
18. Student projects
- Percentage of students who have done in-house projects including inter-departmental - ~70% including inter-departmental projects.
 - Percentage of students doing projects in collaboration with industries / institutes - ~ 30% of the projects done in collaboration with industries and institutes.

19. Awards / recognitions received at the national and international level by
- **Faculty**
Dr D Saravanan was awarded ISTE-UP Government Award 2013 for Outstanding Contribution in the field of Textile Technology from ISTE, New Delhi.
 - **Doctoral / post doctoral fellows**
D Saravanan's Ph D thesis was shortlisted for oral presentation of INAE Award for the Best Research Work 2010
 - **Students**
Koneri Thirumalai (2011 Batch) won CII Innovator Award 2010 from CII Southern Region, Coimbatore for the Project on Continuous Weft insertion by Electro-magnetic Shuttle.
20. Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of outstanding participants, if any.

No	Event	Title	Period	Sources of Funds	Participants
1.	International Convention cum Workshop	Innovations in Engineering & Technology for Sustainable Developments	3-5 September 2012	CSIR, New Delhi	150
2.	National Conference	Geosynthetics: Present and Future Perspective	3-4 February 2012	CSIR, New Delhi	100
3.	AICTE SDP	Modern Spinning Technology	23 May - 04 June 2011	AICTE, New Delhi	52
4.	Workshop	Personality Development Programme	04.01.11 To 13.01.11	Self-support	48
5.	Workshop	IMS Aptitude Training	03.08.11 to 13.08.11	Self-support	64
6.	Workshop	IMS Aptitude Training	16.08.11 to 17.08.11	Self-support	64
7.	Workshop	Communication Skills	19.08.11 to 29.08.11	Self-support	64
8.	Workshop	Paper Art and Craft	29.06.13 & 01.07.13	Self-support	45
9.	Workshop	Scientific Learning Skills	07.01.13 to 10.01.13	Self-support	32
10.	Workshop	Medical Textiles	04.01.13	Self-support	194
11.	Workshop	Exam High Scoring Techniques	07.01.12 to 09.01.12	Self-support	64

No	Event	Title	Period	Sources of Funds	Participants
12.	Workshop	Maintenance of SN & DNLS Machines	13.07.13	Self-support	90
13.	workshop	Fashion Illustration	20.07.13	Self-support	90
14.	workshop	Circular Knitting and Warp Knitting	21.10.13 to 22.10.13	Self-support	64
15.	Workshop	Apparel Machinery Maintenance	23.09.13 to 24.09.13	Self-support	64
16.	Workshop	Weaving Calculation	16.09.13 to 17.09.13	Self-support	64
17.	Workshop	Theory of Color & Color Measurement	27.07.12	Premier ColourScan, Mumbai	64
18.	Workshop	Spinning Accessories	10.08.12	Self-support	65
19.	Workshop	Industrial Engineering in Garment Industry	03.09.12	Self-support	65
20.	Workshop	Training the Trainers'	23.04.12 to 27.04.12	Self-support	
21.	Workshop	Corel Draw and Adobe Photoshop	31.08.12 to 01.09.12	Self-support	64
22.	Workshop	Infosys Campus Connect	30.07.12 to 03.08.12	Self-support	64
23.	Workshop	Scientific Learning Skills	11.12.12 & 12.12.12	Self-support	16
24.	Workshop	Soft Skill Training	30.07.12 to 03.08.12	Self-support	65

21. Student profile course-wise:

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Tech – Textile Technology (2012-2013)	64	43	21	88	100
B.Tech – Textile Technology (2011-2012)	48	37	11	91	100
B.Tech – Textile Technology (2010-2011)	44	38	6	97	100

22. Diversity of Students

Name of the Course (refer question no. 2)	% of students from the college	% of Students from the state	% of students from other States	% of students from other countries
Textile Technology	Nil	99	1	Nil

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

Examination	Total Number of Students Qualified
GATE	5
IELTS	12
BEC	23
GRE	1
TANCET	11

24. Student progression (last 5 years)

Student progression	Percentage against enrolled
UG to PG	13%
PG to M.Phil.	--
PG to Ph.D.	--
Ph.D. to Post-Doctoral	--
Employed	
• Campus selection	70%
• Other than campus recruitment	--
Entrepreneurs	17%

25. Diversity of staff - Percentage of faculty who are graduates

of the same parent university	--
from other universities within the State	UG -100%; PG-46%; Ph D-67%
from other universities from other States	UG -Nil; PG-54%; Ph D-33%

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period : **Ph.D :03**

No	Name of the Faculty	Month & Year
1	Mr. C Ramesh Kumar	October 2009
2	Mr. D Saravanan	December 2009
3	Mr. R Perumal Raj	February 2010

27. Present details about infrastructural facilities
- Library: 900 volumes and 6 National Journal and 6 International Journals and 6000+ e-journals as per AICTE Norms
 - Internet facilities for staff and students
 - Provided computing facility to all teaching staffs with Internet connectivity - 100 Mbps
 - Computer Laboratory is available with 40 desk top PC and Internet connection
 - Total number of classrooms - 4
 - Classrooms with ICT facility - 4
 - Students' laboratories
 - Laboratories available as per curriculum - Spinning, Weaving & Knitting, Chemical Processing, Textile Testing, Textile CAD and Pattern Making.
 - Research laboratories
Research facilities are available in Spinning, Weaving, Processing and Testing Laboratories.

28. Number of students of the department getting financial assistance from College.

Year	Friend of Friendless	Institution Scholarship
2012-13	Rs.12, 000 for 5 students	--
2011-12	Rs.10, 000 for 2 students	Rs.40000 for 4 students
2010-11	Rs.10, 000 for 2 students	Rs.40000 for 4 students
2009-10	10, 000 for 4 students	---

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

Yes. For revising the regulations, curriculum and development of new programs, suggestions are obtained from Industry, Alumni, Students, and faculty members of other Universities and discussed in Board of Studies meeting to finalise the curriculum for the new program.

30. Does the department obtain feedback from
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?
Yes, curriculum feedback discussed in the department meeting and the suggestions are forwarded to Board of Studies. These suggestions are forwarded to academic council for approval and implementation.
Feed back on teaching-learning evaluation obtained after every periodical tests are discussed in the department meeting and necessary remedial action

promptly taken.

- b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Yes, Three on-line feedbacks are received and Class committee meetings are conducted to get feedback on staff and teaching-learning-evaluation and suggestions are discussed in faculty meetings. The feedback is also incorporated in updating the performance indicators for faculty evaluation.

- Regular feedbacks are obtained from the students on classroom delivery of the staff and are discussed in the Department Meetings and suitable remedial actions are promptly taken, if necessary.

Two student members participate in Board of Studies Meeting to offer their feedback on curriculum. The Board of Studies forwards the recommendation to Academic council for approval with all necessary modification.

- c. Alumni and employers on the programmes and what is the response of the department to the same?

Yes. Regular feedbacks are obtained from Alumni and the employers on the programme (PEO, curriculum, performance of the students in industry), discussed in the BOS meeting and action taken for implementation as per procedure.

31. List the distinguished alumni of the department (maximum 10)

No	Name	Current Position	Batch
1	Mr. N Shyam	General Manager, Design Panbrothers TBK Group, Indonesia	2000
2	Mr. B Balaji	Category Manager Aditya Birla Group, Bangalore	2001
3	Mr. K Alagar Perumal	Director - Shri T P Textiles, 53-A Srivillipudur Road, Rajapalayam 628117	2002
4	Dr M S Senthil Kannan	Sustainability Consultant, SGS Hong Kong Limited, Kwai Chung, Hong Kong	2003
5	Mr. P Senthil Kumar	Manager - R&D, Autoliv India, No.80/3, Chokkahalli Village, Bangalore 562114	2004
6	Mr. K Ponraj	Manager - Sales and Services, Rockwell Automations, Pune	2005
7	Mr. A Vijay Anand	Director, Viking Textiles, Tirupur	2006
8	Mr. S Sathish Kumar	Research Scholar, Institute of Textile & Process Engineering, Denkendorf, Germany	2007
9	Mr. A Suseendran	Entrepreneur - Fabric and Garment Manufacture, Kamaraj Nagar, Virudhunagar	2010
10	Mr. N Harihara Sudan	Academic Staff, University of Applied Sciences, University of Niederrhein, Germany	2011

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.
 - Totally 81 special lectures, workshops and seminars have organized with external experts for all textile technology students to enhance their knowledge on core as well as in management areas from the year 2011 to 2013.(Refer Annexure-I)
33. List the teaching methods adopted by the faculty for different programmes.
 - Creative Learning Methodology in theory courses and Layer Learning methodology are adopted to improve reading, listening, presentation and problem solving / creative skills.
34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?
 - Feedbacks are obtained from the Employers, Alumni about the achievement of PEOs and discussed in the Board of Studies Meeting.
 - Achievements of Learning Outcomes are discussed in the Department Meeting and Corrective Actions are taken in consultation with Members of Board of Studies.
35. Highlight the participation of students and faculty in extension activities.

Students are encouraged to participate in the Extension Activities through NSS and NCC. Besides, students are motivated to participate in following activities

- Providing Solution to Industry Defined Problems
- Participation in the Trade Fairs / Educational Awareness Camps
- Voluntary services in +2 / Diploma students' motivational programmes
- Department Association activities

Faculty Members of the Department are actively involved in the extension activities individually or jointly with other Departments, Associations and Social organizations.

- Consultancy services relevant to the Societies.
- Research activities based on social issues like water pollution, employment
- Organising Entrepreneurship Awareness Camps to Rural Women.

36. Give details of "beyond syllabus scholarly activities" of the department.
Scholarly activities are undertaken, beyond the syllabi, to inculcate research and industry orientation by the students with the help of faculty members. Some of the initiatives are
 - One Credit Courses
 - Self-study Electives
 - Value Added Courses
 - Workshops and Expert's Lectures

- Projects with Research Focus
- Industrial Visits
- Internships
- Personality Development Programmes
- Preparation of Displays on New Technology / Products
- Entrepreneurship Development Programme
- Solving Industry Defined Problems
- Technical Clubs and Societies
- Students' Association activities for Co-curricular Activities

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.

B Tech – Textile Technology - accredited for 5 years by NBA, New Delhi (File No 33-30/2010/NBA dated 29.01.13) with effect from 04.01.2013.

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strength	Weakness	Opportunities	Challenges
<ul style="list-style-type: none"> • Laboratory Facilities • Experienced Faculty • Industry Interaction • Flexible Curriculum • Extracurricular Activities 	<ul style="list-style-type: none"> • Students interest towards IT related jobs • Attrition of faculty at lower level • Limited number of institutions for academic collaboration • Low rate of modernization in Textile Industry • Very few Fortune 500 Companies in textile Sector 	<ul style="list-style-type: none"> • Industry Collaboration • Faculty to pursue Ph D • Faculty Training in Industry • Training Programme to Industry • Clustered nature of industries provide scope for concentrating of specific needs 	<ul style="list-style-type: none"> • Unorganised Industry Set-up • Low Admission • Students Entry Level Marks • Low salary fixed by the Industry

39. Future plans of the department

- 1 To establish a Centre of Excellence in Technical Textiles
- 2 To develop visual aids related to textile applications / manufacturing
- 3 To introduce and develop visualization techniques to STEM (Science, Technology, Engineering and Mathematics) related subjects

Students Qualified in the Competitive Examination**GATE**

S.No	Name
1	Thangapandian V
2	Nivas Kumar M
3	Mahendrababu
4	Navaneethakrishnan
5	Praveen Abraham

IELTS

S.No	Name
1.	Naveen T V H
2.	Aravindh K V
3.	Gowtham K
4.	Hariharan N K G
5.	Jei Gowtham S R
6.	Naveen T V H
7.	Nithyanandhan K V
8.	Santhosh Kumar C P
9.	Praveenprabhu S
11	Sushmitha D

TANCET

S.No	Name
1.	Nadeem S
2.	Ramya R
3.	Ramakrishnan S
4.	Thirumal S V
5.	Karthikeyan M
6.	Velkumar M
7.	Anandkumar V
8.	Boobathi P
10	Shanmuga Prabhu R
11	Sridhar E
12	Ilakkiyavathi

Annexure- I: Student Enrichment Programmes

S. No.	Date	Name of the Programme	Name of the Speaker / Convener & details	Topic
1.	21.01.2011	Guest Lecture	Mr. M. S. Govinda Raj, General Manager, PSF Marketing, Polyester Sector Coimbatore	Polyester Staple Fibre Marketing
2.	31.01.2011	Guest Lecture	Mr.Shibu Mahato, Sales & Technical Executive, Premier Colorsem	Textile Testing Instruments
3.	10.02.2011	Guest Lecture	P.L Narasimhan, Consultant, Lean, Six Sigma, Chennai	Creative & Innovation in Textile
4.	28.02.2011	Guest Lecture	A.T.Kumr Manager, Product Management, Oerliokon Schlafhorst., Coimbatore	Schlafhorst Winding Machines
5.	19.03.2011	Guest Lecture	S.Arunagiri and S.Bharath Kannan Voltas Limited, Coimbatore	Developments in Dyeing Machines
6.	19.04.2011	Valedictory Function	Mr.S.P.Ravi, Vice President, Power Links Corporation, Coimbatore.	Winding Machines
7.	30.08.2011	Guest Lecture	Abhijit Naikdesai & Naresh R Bhatt Society of Dyers and Colourists, India, Sitladevi Temple Road, Mahim(W), Mumbai 400 016	Quality Consciousness in Processing Industry
8.	30.08.2011	Guest Lecture	Mr. S. Chandrasekarbharathy Sr.Manager, Super Spinning, Coimbatore 641 020	Raw Materials & its influence on LMW Machines Process
9.	02.11.2011	Guest Lecture	Dr. Parithi Siva Ramakumar Manager – Labs Dystar India Ltd, New Bombay	QC in Wet Processing
10.	18.11.2011	Guest Lecture	R. Divya Bharathy, Trainer Madura Garments Bangalore	Interview Techniques
11.	22.02.2012	Guest Lecture	Mr. R. Azhahiamanavalan, Consultant, Energy management, Tirupur	Energy Conservation in Spinning

S. No.	Date	Name of the Programme	Name of the Speaker / Convener & details	Topic
12	25.06.2012	Guest Lecture	Prof Paul O' Brien Head School of Chemistry and Materials, University of Manchester, UK	Collaborative Programme
13	16.06.2012	Alumni Interaction	S Sathis Kumar (2007 Batch) Institute of Textile and Process Engineering, Denkendorf, Germany	Higher Studies in Germany
14	04.01.2012	Guest Lecture	A.D.Sathishkumar Materials Developer Adidas, Germany	Interdisciplinary Research and Opportunities in Germany for Higher Studies & Research
16	25.05.2012	Guest Lecture	Dr.R.H.Gong Reader in Textile Technology Director of Postgraduate Studies Textiles & Paper School of Materials The University of Manchester	Faculty and Student exist Programme
17	16.06.2012	Guest Lecture	Mr. K. Ponraj Alumni Meet Interaction	Entrepreneurial Initiatives – <i>My Experience</i>
18	18.07.2012	Guest Lecture	IMS Resource Centre, Coimbatore	Opportunities of Higher Studies – CAT/GRE
19	27.07.2012	Guest Lecture	Young Indian Network, Coimbatore	Social Networking
20	21.07.2012	Guest Lecture	Mr G Balasubramanian, General Manager, Kangwal Textiles, Thailand	Essentials of Career Planning and Scenario of Textile Industry
21	28.07.2012	Guest Lecture	Mr Dakshesh Desai, Director Premier Colorscan Instruments Electronic Zone, M.I.D.C., Mahape, Navi Mumbai-400710.	Theory of Color & Color machines

S. No.	Date	Name of the Programme	Name of the Speaker / Convener & details	Topic
			TTA Jointly with Student Chapter of ISTE, BIT	
22	06.08.2012	Guest Lecture	Mr C K Berlin Jinu Manager – Product Development, Veejay Lakshmi Engineering Works, Coimbatore (Video Conferencing)	Future Perspectives of Indian Textile Machinery and Textiles
23	07.08.2012	Guest Lecture	Mr S Kasiviswanathan Senior Sales Manager, Engineering and Agencies Coimbatore (Video Conferencing)	Electronic Yarn Clearers - Concepts and Applications
24	08.08.2012	Guest Lecture	Mr.Thyalasundaram, Manager, Voltas Ltd, Coimbatore (Video Conferencing)	LMW Spinning Machinery
25	10.08.2012	Guest Lecture	Mr. Ramakrishnan Girish, M/S Pacific Ventures India, Palladam	Workshop on Garment Costing
26	10.08.2012	Guest Lecture	Mr. N. Mahendran, SITRA Power loom Service Centre, Palladam	Weaving and Fabric Calculations
27	17.08.2012	Guest Lecture	Mr.M.Kathirvel, Head R&D, Lakshmi ring Travellers Ltd &	Development in spinning ring Travellers
28	18.08.2012	Guest Lecture	Mr. Nelshen Jothi Manikam, Deputy General Manager Precitex Pvt Ltd, Coimbatore	Developments in cots & Aprons in spinning Industry
29	03.09.12	Leader of the Week	Dr P K Badami R - VP Reliance Industries Ltd Race Course Road, Coimbatore	Future of PET Fibres
30	03.09.12	Workshop	Mr.K.Prakash - Plant Engineer JuKI India pvt. Ltd., Sri Muthu Plaza, Avinasi road, Tirupur	Industrial Engineering in Garment Industry
31	20.09.12	Leader of the Week	Mr. R.Saminathan Managing Partner Arthi A1 Traders, Karur	Recent Trends in Home Textiles

S. No.	Date	Name of the Programme	Name of the Speaker / Convener & details	Topic
32	26.09.12	Placement Training	Mr.K.P. Janakiraman Consultant, Coimbatore	Best practices in Textile Wet Processing
33	11.12.12	Guest Lecture	Mr.P.Gopalakrishnan Managing Director, Metro Fabrics, Karur	Scopes in Home Textiles
34	13.12.12	Guest Lecture	Dr. Narendra Reddy Research Associate Professor University of Nebraska, Lincoln, USA	Higher studies in Textiles & Fashion in USA
35	13.12.12	Guest Lecture	Mr.S.Thiruppathi Senior Scientific Officer South India Textile Research Association, Coimbatore	Entrepreneurial Scopes in Medical Textiles
36	15.12.12	Alumni Interaction	Mr C Dinesh Director, Dinesh Processors, Tirupur	Common Effluent Treatment in Tirupur
37	15.12.12	Guest Lecture	Mr.L.Hari Gopalakrishnan Director M/s Ashhoven Mills Pvt. Ltd., Coimbatore.	Scopes & Opportunities in Shuttleless looms
38	15.12.12	Alumni Interaction	Mr K Pon Raj, Assistant Manager Weaving Maintenance M/s Himatsingka Linens, Hassan, Karnataka	Air Jet and Rapier Looms and their Scopes
39	18.12.12	ITME 2012 Catalogues Exhibition	Mr.K.S. Balasubramanian Managing partner Abirami Textiles, Sathy.	Problems in Small Spinning Mills
40	09.01.13	CEO	Mr.G.Karthikeyan, Consultant, M/s Freelance Trainee, Salem	Analysis of AFIS results
41	12.01.13	Video Conferencing	Mr.S.Soundharrajan, Knitting incharge, SITRA, Coimbatore	Quality in Knitting
42	09.01.13	Leader of the Week	Mr.Jagannathan Narayanan, MD, GSI Lanka Pvt. Ltd, Srilanka	Apparel Industry – Global Perspective
43	18.01.13	Alumni Lecture	Mr A Vinoth, MD, Shankar Textiles, Tiruchengodu	Entrepreneurial Experience

S. No.	Date	Name of the Programme	Name of the Speaker / Convener & details	Topic
44	14.02.13	Leader of the Week	Mr.T.R.Vijayakumar, Managing Director, CBC Fashions (ASIA) Private Ltd., Tirupur	Knitwear Industry in Tirupur – Present Status
45	22.02.13	Video Conferencing	Mr.A.Kanthimathinathan, Textile Technology Consultant, Texpark Consultancy Coimbatore	Opportunities for employment and entrepreneurship in Textile industry
46	18.02.13	Inauguration of EDP Programme	Mr.Rajkumar E, Factory Manager, S P Apparels, Sathyamangalam, Unit I	Entrepreneurial Experience
47	20.02.13	Alumni Lecture	Mr Karhik (2012 Batch)	Educational Opportunities in UK
48	01.03.13	Alumni Lecture	Mr.S.Karthikeyan (2008 Batch) Raymond Uco Denim Ltd. Yavatmal	Apparel Industry – Current Scenario
49	05.03.13	Alumni Lecture	Mr A Manikandan (2008 Batch) , Indian Navy	Opportunities in Indian Navy
50	11.03.13	Guest Lectures	Mr.S.Prakash, Plant Engineer, JUKI India, Tirupur	Industrial Engineering & Productivity in Garment Industries
51	13.03.13	Guest Lectures	Mr.P.Jayapal, Manager, ITEMA, Coimbatore	Scope and Opportunities in Shuttleless weaving
52	15.03.13	Guest Lectures	Mr.S.Bharath Kumar, Senior Sales Engineer, VOLTAS Ltd., Tirupur	Utilities for Processing Industries
53	15.03.13	Guest Lectures	Mr.A.Kanthimathinathan, Consultant, Winsys, Coimbatore	Erection Routs of Ringframes
54	16.03.13	Guest Lectures	Mr.L.Harigopalakrishnan, Director, Asshoven Textiles, Coimbatore	Erection & Commissioning of Shuttleless looms

S. No.	Date	Name of the Programme	Name of the Speaker / Convener & details	Topic
55	16.03.13	Guest Lectures	Mr.Sankarakultalam, Senior Engineer, Muratec Ltd., Coimbatore	Commissioning of Winding machines
56	18.03.13	Guest Lectures	Mr. A. Ruben, Senior Engineer, VOLTAS Ltd., Tirupur	Erection & Commissioning of Spinning machines
57	02.03.13	Alumni Lecture	D.Sabarish (2011 Batch), Quality Analyst - Woven Garments CGM Presitex Group, South Africa	Opportunities in South Africa for Textile Engineers
58	04.03.13	Alumni Lecture	S.Mageshwari (2010 Batch), MSc student, Sheffield University, UK	Higher Studies in Material Science
59	07.03.13	Alumni Lecture	S.Karthikeyan(2008 Batch), Asst. Manager - Processing - UCO Denim Yavatmal , Maharastra	Internship Practices
60	09.04.13	Alumni Lecture	Mr.C.Kathires(2003 Batch),Director, Carona Industries, Azhukuli, Gobi	Industry Expectations
61	09.04.13	Alumni Lecture	Ms.P.Suja(2010 Batch),Assistant Store Manager, Ogawa, Chennai	Scopes and opportunities in Garment Industry
62	06.04.13	Alumni Lecture	Ms Suja, Asst. Store Manager, Ogawa, Chennai	Role of Visual Merchandiser in Fashion Industry
63	10.04.13	Valediction of Association of Fashion Technologists	Mr D Saravanan, Managing Director, Grey Field Exports, Tirupur	Present Scenario of Apparel Industry in Tirupur Region
64	13.04.13	Alumni Lecture	Mr Vinoth S (Alumni 2012 Batch), Executive, IE Department K Mohan Company, Bangalore	Importance of IE in Apparel Industry
65	18.06.13	Alumni Lecture	Mr.Hariharasuthan (2011 batch), Pursuing MS-Management as Textile Trade, Niederrhein Monchengladesch University, Germany	Higher Studies in Germany

S. No.	Date	Name of the Programme	Name of the Speaker / Convener & details	Topic
66	22.06.13	Alumni Lecture	Mr.V.Thangapandiyan(2013 batch),Pursuing M.Tech.,IITD	Cracking GATE Examination
67	25.06.13	Alumni Lecture	Mr.C.Vivek (2012 batch), Chemical Processing Executive, Arthi A1 Traders, Karur	An insight to Textile Industry alumni perspective
68	18.06.13	Alumni Lecture	Mr Hariharasudhan, MS (Management as Textile Trade & Technology), MS Niederrhein Monchengladesch University, Germany	Educational Opportunities in Germany
69	25.06.13	Demonstration	Mr Mohan Cadiyam, Business Manager, TNG Technologies, Bangalore	Fashion CAD Demonstration
70	29.06.13 & 01.07.13	Workshop	Mr. Narutamarao, Fine Arts College, New Delhi	Paper Art and Craft
71	22.10.13	Guest Lecture	Mr.Hari, Marketing Coordinator, Lectra, Bangalore	Changing Landscape of Fashion Technology
72	22.10.13	Guest Lecture	Mr.Parameshwaran, Assistant Quality Manager, Textiles Committee, Karur	Visual Inspection
73	22.10.13	Guest Lecture	Mr.Maheswaran, Quality Manager, Amsler India Pvt. Ltd., Tirupur	Fancy and Stretch yarns
74	22.10.13	Guest Lecture	Mr.G, Manikkam, CEO, Capsule Foundation, Tirupur	GOTS
75	22.10.13	Guest Lecture	Mr.A.V.Subramaniam, MD, Wise Systems, Coimbatore	Lean Manufacturing
76	22.10.13	Guest Lecture	Mr.Martin Antony, Managing Director, Macfit India, Tirupur	Branded Apparel Management
77	22.10.13	Guest Lecture	Mr.Muhundhan, Project Executive, Centre for Research and Excellence, Tirupur	Occupational Health Safety and Welfare on Productivity of

S. No.	Date	Name of the Programme	Name of the Speaker / Convener & details	Topic
				Apparel Industry
78	22.10.13	Guest Lecture	Mr.A.Kandhimathinathan, CEO, Winsys, Coimbatore	Yarn Quality Requirement for Apparel
79	23.10.13	Guest Lecture	Mr.Sasikumar, Sales Manager, Mehala Machines, Tirupur	CAD Design and Apparel Sewing Machines
80	23.10.13	Guest Lecture	Mr.A.K.B. Nawas Babu, Managing Director, Just Born, SA Knit Wear, Madurai	Apparel Retail Management
81	21.12.13	Guest Lecture	Mr.V.R.Sai Ganesh, General Manager, Atul Ltd, Thane	Water-How it is important for Textile Processing

Publications

2013

1. D Saravanan, S N Sreelakshmi, N S Vasanthi, "Acidic bacterial proteases from Bacillus species as an alternative agent for scouring of cotton fabrics," Journal of the Textile Institute, Vol. 104 No. 10, pp. 1118 - 1124, 2013
2. D Saravanan, "Scouring Potential of Mesophile Acidic Proteases of Pseudomonas aeruginosa for Grey Cotton Fabrics," Institution of Engineers, Vol. 93, No. 2, pp. 87 - 91, 2013
3. D Saravanan, S N Sreelakshmi, N S Vasanthi, "Low-temperature acidic amylases from Aspergillus for desizing of cotton fabrics," Journal of the Textile Institute, Vol. 105, No. 1, pp. 59 - 66, 2014
4. D Saravanan, "Influence of Tricho dermareesei cellulase biopolishing on structure and surface morphology of cotton fibres," Indian Journal of Fiber and Textile Research, Vol. 38 No. 2, pp. 156 - 160, 2013
5. D Saravanan, S N Sreelakshmi, N S Vasanthi, "Low temperature, acidic, bacterial lipase for scouring of raw cotton fabrics," Journal of the Textile Institute, Vol. 104, No. 12, pp. 1345-1352, 2013
6. D Saravanan, A Prasath, S Sivaram, D Vijay Anand, "Desizing of starch containing cotton fabrics using near atmospheric pressure, cold DC plasma treatment," Institution of Engineers, Vol. 94, No. 1, pp. 1 - 5, 2013
7. D Saravanan, K Senthilraja, S N Sreelakshmi, N S Vasanthi, "Extra Cellular Acid Pectinase production from Three Different Bacillus Species and Their Bioscouring Efficiency in Cotton Fabrics," Research Journal of Biotechnology, Vol. 8, No. 9, pp. 22 - 27, 2013
8. D Saravanan, S N Sreelakshmi, K Senthil Raja, N S Vasanthi, "Can protease be an efficient scouring agent for cotton," Research Journal of Biotechnology, Vol. 8, No. 7, pp. 77 - 80, 2013

2012

9. Saravanan D., One Step Process for Desizing and Bleaching of Cotton Fabrics, Journal of Applied Polymer Science, Volume 123, Issue 4, pages 2445-2450, 15 February 2012.
10. Saravanan D, Vasanthi N S, Senthil Raja K, Ramachandran T, A Feasibility Analysis of Bacterial Lipase as a Scourant for Cotton Fabrics, Indian Journal of Fibre and Textile Research, 2012, Vol 37, No 3, 299 - 302.
11. Saravanan D, Sowbarniga N, Vanathy P, Mohanraj S, Antimicrobial efficacy of extracts of Vitex negundo, Indian Journal of Fibre and Textile Research, 2012, Vol 37, No 4, 389 - 392.

2011

13. R. Perumalraj, A. Anilkumar, A.S. Nirmala Devi, B. Saranya, P. Deepa, R. Karthika, N. Maheshwari "Silver-Filled Electrically Conductive Epoxy and Silver

- Nitrate Plating Textile Composite Materials For EMC" Journal of Reinforced Plastics and Composites, vol. 30 no. 3 203-215, 2011.
14. R. Perumalraj, A. Anilkumar, A.S. Nirmala Devi, B. Saranya, P. Deepa, R. Karthika, N. Maheshwari, Silver-Filled Electrically Conductive Epoxy and Silver Nitrate Plating Textile Composite Materials For EMC, Journal of Reinforced Plastics and Composites, vol. 30 no. 3, 203-215, 2011.
 15. Mr.P.Jagajanantha and Dr D Saravanan published a paper on Human Eye: Brain System on Colour Perception, Asian Dyer, Vol-8, No-2.
 16. Dr.R.Perumalraj and Mr.E.Tholkappiyan published a paper on Electrostatic discharge measurement for conductive textile materials, Asian Textile Journal, Vol-20, No-5.
 17. R.Perumalraj, BD Dasaradan, Electroless nickel plated composite textile materials for electromagnetic compatibility, Indian Journal of Fibre and Textile Research, Vol. 36, March 2011, pp. 35-41.
 18. Saravanan D, Sowbarniga N, Vanathy P, Mohan Raj S, Plant Sources for Medicinal Finishing of Textile Materials, Apparel Views, Vol 10 No 8, 66-67, 2011.
 19. Saravanan D., Prabhakaran C., Arul Prakash A, Jagadeeshwaran D, Nalankilli G., Optimization of thermophile Bacillus sp. α amylase desizing of cotton fabrics, Indian Journal of Fibre and Textile Research, Vol 36, No 3, 2011, 253 - 258.
 20. Saravanan D, Arul Prakash A, Jagadeeshwaran D, Prabhakaran C, Ramachandran T, Indian Journal of Fibre and Textile Research, Vol 36 No 3 253 - 258 2011.

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20. Saravanan D., Vasanthi N.S., Senthil Raja K., Das A., Bleaching of Cotton Fabrics using Glucose Oxidase Enzymes, Indian Journal of Fibre and Textile Research, 2010 Vol. 35 No. 3.
21. Saravanan D., Nalankilli G., Velmurugan S., Karthick S., Arun Ramanathan V., Ramachandran T., Multi Enzyme Scouring using Enzymes, Indian Journal of Fibre and Textile Research, 2010, Vol. 35, No. 2, 164 - 171.
22. R. Perumalraj, BS Dasaradhan, G. Nalankilli, Copper, Stainless Steel, Glass Core Yarn and Ply Yarn Woven Fabric Properties, Journal of Reinforced Plastics and Composites, vol. 29 no. 20 3074-3082, 2010.
23. R Perumalraj BS Dasaradhan, G. Nalankilli, Textile Composite Materials for EMC, Journal of Reinforced Plastics and Composites, Journal of Reinforced Plastics and Composites, vol. 29 no. 19 2992-3005, 2010.
24. R Perumalraj, G. Nalankilli, V.K. Arunprasath, K. Dharmaraj, Sathish Adithya, B.S. Dasaradan, Nano Silver Finishing of Composite Materials for EMSE, Journal of Reinforced Plastics and Composites, vol. 29 no. 18 2753-2770, 2010.
25. R Perumalraj, G Nalankilli, T Bhalasaravanan, K Roshan Raja, N Shyam Sundar, BS Dasaradan, Electromagnetic Shielding Tester for Conductive Textile Materials, Indian Journal of Fibre and Textile Research, Vol 35 No 4, 361, 2010.

26. R Perumalraj, BS Dasaradan, Electromagnetic Shielding Effectiveness of Doubled Copper Cotton Yarn Woven Materials, *FIBRES & TEXTILES in Eastern Europe*, Vol. 18, No. 3 (80) pp. 74-80, 2010.
27. R Perumal Raj, Nanocomposite Materials for EMI, *Asian Textile Journal*, Vol 19, No 10 42 – 49, 2010.
28. R. Perumalraj, A. Anilkumar, A.S. Nirmala Devi, B. Saranya, P. Deepa, R. Karthika, N. Maheshwari, Role of epoxy in Textile Materials, *Asian Textile Journal*, Vol 19, No.3, pp 43- 49, March 2010.
29. E.Tholkappian, Geotextile Degradation under Different Environmental Conditions, *Indian Textile Journal*, July-2010, pp- 80-86.

2009

30. Saravanan D., Raajesh E.M., Rajendran R., Ramachandran T., Amylases and Amylase Assisted Desizing, *Industria Textile (Romania)*, 2009 Vol. 60, No. 2, 70 – 74. (Invited Paper)
31. Saravanan D., Nalankilli G., Vivekanandan A., Dinesh C., Karthikeyan S., Ramachandran T., Biopolishing of Cotton Fabrics with Total Cellulases of *Trichoderma reesei* and Optimization Using Taguchi Methods, *Journal of Applied Polymer Science*, 2009, Volume 112 Issue 6 (15 June), 3402 - 3409 .
32. Saravanan D., Sathis Kumar S., A Novel Approach to Process Cotton Long Staple Fibres on Short-Staple Ring frame, *Indian Journal of Fibre and Textile Research*, Vol 34, No. 1, 2009, 47 - 51
33. Saravanan D., Ramachandran T., Comprehensive Review on Dyeing and Finishing of Garments, *Institution of Engineers*, Vol. 89, Iss. 1, 2009, 14 - 19.
34. Saravanan D., Vasanthi N.S., Ramachandran T., A Review on Influential Behaviour of Biopolishing on Dyeability and Certain Physico-mechanical Properties of Cotton Fabrics, *Carbohydrate Polymers*, Volume 76, Issue 1, 2 March 2009, Pages 1-7.
35. Saravanan D., Ramachandran T., Bleaching of Cotton Fabrics: Recent Developments, *Asian Dyer*, Oct 2009, 46 - 46
36. Saravanan D., Selvakumar R., Velmurugan S., Ramachandran T., Quality Work Practices in Sizing Mill, *Textile Magazine*, Vol. 50 No. 8 2009 pp 38 - 41
37. Saravanan D., Ramachandran T., Proteins and Proteases in Cotton Fabric Processing, *Asian Dyer*, Jan – Feb 2009, 55 - 60
38. Saravanan D., Ponraj K., Developments in Ink-jet Printing, *Indian Textile Journal*, 119 (6) March 2009 40 - 46
39. C Rameshkumar and N Anbumani, 'Wrap Spinning: For Fancy and High performance yarns', *The Indian Textile Journal*, Vol.119 No.3 pp15-26, 2009.
40. C Rameshkumar and N Anbumani, 'Studies on Polyester/Waste silk core spun yarns and fabrics', *Journal of Industrial Textiles*, Vol38 No.3 pp191-203, 2009.
41. C Rameshkumar and N Anbumani, 'Some studies on X-directional Wrap Yarns', has been accepted for publication in the *Indian Journal of Engineering Science and Technology*, Vol 3 No 1, 53, 2009.

42. R. Perumalraj, B. S. Dasaradan, R. Anbarasu, P. Arokiaraj and S. Leo Harish, Electromagnetic shielding effectiveness of copper core-woven fabrics, Journal of the Textile Institute, Volume 100, No 6, 512-524, 2009.
43. R.Perumalraj, R.Nagaswarna, Electrically Conductive Polymer Materials for EMI Shielding, Asian Textile journal, Vol 18 No1,PP 49-57 Jan 2009.
44. R Perumalraj, Dasaradan, B S, Electromagnetic shielding effectiveness of copper core yarn knitted fabrics, Indian Journal of Fibre and Textile Research, Vol 34 No 2, 149-154, 2009.
45. R Perumal Raj, BS Dasaradan, Tensile Properties of Core Yarn, Journal of Textile and Apparel, Technology and Management, Vol 6 No 2, 1 – 23, 2009.
46. Saravanan D., Selvakumar R., Velmurugan S., Ramachandran T., Quality Work Practices in Sizing Mill, Textile Magazine, Vol. 50 No. 8 2009 pp 38 - 41
47. C Ramesh Kumar, Globalization: A Smart change to lead, Textile Review, Vol 4 No 11 2009.

Journal Vs Impact Factor

S No	Journal Title	Number of Papers Published	Impact Factor
1	Journal of the Textile Institute	4	0.725
2	Journal of Industrial Textiles	1	1.308
3	Indian Journal of Fiber and Textile Research	11	0.486
4	Research Journal of Biotechnology	2	0.294
5	Journal of Applied Polymer Science	2	1.289
6	Journal of Reinforced Plastics and Composites	4	0.902
7	Fibres & Textiles in Eastern Europe	1	0.801
8	Carbohydrate Polymers	1	3.942
9	Asian Dyer	3	-
10	Asian Textile Journal	4	-
11	Apparel Views	1	-
12	Textile Magazine	2	-
13	Indian Textile Journal	3	-
14	Industria Textile (Romania)	1	-
15	Indian Journal of Engineering Science and Technology	1	-
16	Journal of Textile and Apparel, Technology and Management	1	-
17	Textile Review	1	-
18	Journal of the Institution of Engineers	3	-

Citation Index Range : 01 to 30

S No	Journal Title	Paper Title	Publication Details	Number of Citations
1	Indian Journal of Fibre and Textile Research	Electromagnetic shielding effectiveness of copper core yarn knitted fabrics	Vol 34 No 2, 149-154, 2009	27
2	Journal of the Textile Institute	Electromagnetic shielding effectiveness of copper core-woven fabrics	Vol 100, No 6, 512-524, 2009	30
3	Journal of Industrial Textiles	Studies on Polyester/Waste silk core spun yarns and fabrics	Vol 38 No.3, 91-203, 2009	03
4	Carbohydrate Polymers	A Review on Influential Behaviour of Biopolishing on Dyeability and Certain Physico-mechanical Properties of Cotton Fabrics	Volume 76, Issue 1, 2 March 2009, 1-7	16
5	Journal of Applied Polymer Science	Biopolishing of Cotton Fabrics with Total Cellulases of Trichoderma reesei and Optimization Using Taguchi Methods	2009, Volume 112 No 6 3402 - 3409	03
6	FIBRES & TEXTILES in Eastern Europe	Electromagnetic Shielding Effectiveness of Doubled Copper Cotton Yarn Woven Materials	Vol. 18, No. 3 (80) pp. 74-80, 2010	13
7	Journal of Reinforced Plastics and Composites	Nano Silver Finishing of Composite Materials for EMSE	vol. 29 no. 18 2753-2770, 2010	02
8	Journal of Reinforced Plastics and Composites	Copper, Stainless Steel, Glass Core Yarn and Ply Yarn Woven Fabric Properties	vol. 29 no. 20 3074-3082, 2010.	02
9	Indian Journal of Fibre and Textile Research	Bleaching of Cotton Fabrics using Glucose Oxidase Enzymes	2010 Vol. 35 No. 3.	02
10	Indian Journal of Fibre and Textile Research	Electroless nickel plated composite textile materials for electromagnetic compatibility	Vol. 36, March 2011, pp. 35-41.	07
11	Journal of Reinforced Plastics and Composites	Silver-Filled Electrically Conductive Epoxy and Silver Nitrate Plating Textile Composite Materials For EMC	vol. 30 no. 3, 203-215, 2011	01
12	Indian Journal of Fibre and Textile Research	Antimicrobial efficacy of extracts of Vitex negundo	2012, Vol 37, No 4, 389 - 392	01

13	Journal of Applied Polymer Science	One Step Process for Desizing and Bleaching of Cotton Fabrics	Vol 123, No 4, 2445–2450 2012	03
14	Indian Journal of Fibre and Textile Research	Use of Bacterial Lipase as a Scourant for Cotton Fabrics	2012, Vol 37, No 3, 299 - 302	02

Journals Vs SJR

(SCImago Journal Rank (SJR) reflects the prestige or status of the citing source: the value represents weighted citations per document.)

S No	Journal Title	Number of Papers Published	SJR
1	Journal of the Textile Institute	4	0.530
2	Journal of Industrial Textiles	1	0.586
3	Indian Journal of Fiber and Textile Research	11	0.475
4	Research Journal of Biotechnology	2	-
5	Journal of Applied Polymer Science	2	0.595
6	Journal of Reinforced Plastics and Composites	4	0.496
7	Fibres & Textiles in Eastern Europe	1	0.433
8	Carbohydrate Polymers	1	1.235
9	Asian Dyer	3	0.100
10	Asian Textile Journal	4	-
11	Apparel Views	1	-
12	Textile Magazine	2	-
13	Indian Textile Journal	3	-
14	Industria Textile (Romania)	1	-
15	Indian Journal of Engineering Science and Technology	1	-
16	Journal of Textile and Apparel, Technology and Management	1	0.146
17	Textile Review	1	-
18	Journal of the Institution of Engineers	3	0.140

Journal Vs SNIP

(Source-Normalized Impact per Paper (SNIP) corrects for differences in the frequency of citation across research fields.)

S No	Journal Title	Number of Papers Published	SNIP
1	Journal of the Textile Institute	4	1.175
2	Journal of Industrial Textiles	1	1.173
3	Indian Journal of Fiber and Textile Research	11	1.338
4	Research Journal of Biotechnology	2	-
5	Journal of Applied Polymer Science	2	1.071
6	Journal of Reinforced Plastics and Composites	4	0.867
7	Fibres & Textiles in Eastern Europe	1	0.874
8	Carbohydrate Polymers	1	2.018
9	Asian Dyer	3	0.236
10	Asian Textile Journal	4	-
11	Apparel Views	1	-
12	Textile Magazine	2	-
13	Indian Textile Journal	3	-
14	Industria Textile (Romania)	1	-
15	Indian Journal of Engineering Science and Technology	1	-
16	Journal of Textile and Apparel, Technology and Management	1	0.278
17	Textile Review	1	-
18	Journal of the Institution of Engineers	3	0.317

H Index

'The index h, defined as the number of papers with citation number greater than or equal to h, is a useful index to characterize the scientific output of a researcher.' JE Hirsch

S No	Name	Total Citations	h-Index	i10 Index
1	Dr D Saravanan	150	6	4
2	Dr. R. Perumalraj	30	6	4
3	Dr. T. Gobikannan	6	2	-

Evaluative Report of the Department

1. Name of the Department & its year of establishment :

Fashion Technology and Year of establishment: 2004

2. Names of the programmes / courses offered:

- B.Tech. Fashion Technology
- Ph.D. Textile and Fashion Technology

3. Interdisciplinary courses and departments involved:

S.No	Name of Interdisciplinary courses offered	Departments involved
1.	Computer Programming	Department of Computer Science and Engineering
2.	Basics of Electrical and Electronics Engineering	Department of Electrical and Electronics Engineering
3.	Strength of Materials and Theory of Machines	Department of Mechanical Engineering
4.	Basics of Civil and Mechanical Engineering	Department of Civil and Mechanical Engineering
5.	Chemical Processing I	Department of Textile Technology
6.	Chemical Processing II	Department of Textile Technology
7.	Engineering Economics	Department of Textile Technology
8.	Professional Ethics	Department of Textile Technology

4. Annual/semester/choice based credit system :

Semester System with Choice Based Credit System

5. Participation of the department in the courses offered by other departments:

Sl.No.	Name of the Department	Courses offered
1.	Department of Textile Technology	11T013 – Pattern Engineering
2.	Department of Textile Technology	11T607 – Pattern Making and Garment Construction Laboratory

6. Number of teaching posts sanctioned and filled

	Sanctioned	Filled
Professors	1	1
Associate Professors	1	1
Asst. Professors	4	8
Total	6	10

7. Faculty profile with name, qualification, designation, specialization

Sl. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1.	Mr.R.Indrajith	M.Tech., M.B.A	Associate Professor & Head	Textile Technology	32	-
2.	Dr.R.Perumalraj	Ph.D.	Professor	Textile Technology	20	6
3.	Ms.M.Bharani	M.Tech.	Asst. Prof Sr.G	Textile Technology	11	-
4.	Mr.S.Mohanraj	M.Tech.	Asst. Prof Sr.G	Textile Technology	11	-
5.	Mr. Thilak.vadicherla	M.Tech.	Asst. Prof Sr.G	Textile Technology	8	-
6.	Ms.P.S.S. Shiyamaladevi	M.S.	Asst. Professor	Apparel Business Administration	8	-
7.	Mr.N.Senthil Kumar	M.Tech.	Asst. Professor	Apparel Technology Management	6	-
8.	Mr. V.Nithyaprakash	M.F. Tech.	Asst. Professor	Fashion Technology	10	-
9.	Ms.K.Janani	M.Tech.	Asst. Professor	Fashion Technology	1	-
10.	Ms.R.Preethi Deepa	M.Tech.	Asst. Professor	Fashion Technology	2	-

8. Percentage of classes taken by temporary faculty (programme wise information):

Nil

9. Programme-wise Student Teacher Ratio :

S.No	Name of the Programme	Student – Teacher Ratio
1.	B. Tech. (Fashion Technology)	9:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Sanctioned	Filled
Academic Support Staff (Technical)	5	5
Administrative Staff	1	1

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

Number of Faculty involved : 01

- a. National Agencies : AICTE, New Delhi
 International Agencies : Nil
 b. Total Grants Received : Rs. 7 Lakhs
 c. Completed Projects : Rs. 7.48 Lakhs

Ongoing Project

Sl. No	Principal Investigator	Title of the Project / Event	Funding Agency	Amount (Rs)	Year of Sanction	Status
1	Dr.R.Perumalraj	Design and Development of Static Charge Tester	AICTE, New Delhi	7,00,000/-	2013	On-going

Completed Projects

No	Principal Investigator	Title of the Project / Event	Funding Agency	Amount (Rs)	Year of Sanction
1	Dr.R.Perumalraj	Nano Silver coated Conductive Composites Material for EMC	DRDO, New Delhi	7,36,000	2011
2	Ms.M.Bharani	Thermal control of automotive interiors using PCMs	TNSCST, Chennai	6,000/-	2011

3	Ms.M.Bharani	Development of Self-Cleaning Garments using nano particles	TNSCST, Chennai	6,000/-	2011
Funded SDP /FDP/Symposium/Conference					
3	Dr.R.Perumal Raj	SDP on Modern Garment Technology	AICTE, New Delhi	6,90,000/-	2012
4	Mr.ThilakVadicherla Mr. M Gobalakrishnan	Symposium-Eco-Friendly Textiles & Apparels	DST, New Delhi	35,000/-	2012
5	Dr.R.Perumalraj	FDP on Fashion Design and Development	AICTE, New Delhi	6,00,000/-	2013
6	Ms.M.Bharani	SG- IAQM	AICTE, New Delhi	1,50,000/-	2013

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received :
Nil

13. Research facility / centre with

- State recognition - Approved Centre for Research by Anna University, Chennai
- National recognition - Funds for Research Projects are received from DST, AICTE &DRDO, New Delhi

14. Publications (Last 5 Years):

- * Number of papers published in peer reviewed journals:
International: 23
- * Monographs: 2 (Garment Technology and Fashion Design)
- * Chapter(s) in Books -2
- * Editing Books - 1
- * Books with ISBN numbers with details of publishers - 1
(ISBN No: 978-93-83842-02-5)
- * Number listed in International Database: 6
- * Citation Index - range: 1 - 40: Average: 9.92

- * SNIP : Min:0.867, Max: 1.173, Average: 1.063
- * SJR : Min: 0.433, Max: 0.586, Average: 0.504
- * Impact factor – range / average – Range: 0.778 to 1.2 & Average: 1.06
- * h-index : 6
- * i10 index: 4

(Refer Annexure – A)

15. Details of patents and income generated :
Patents Registered – 2,
Income: Nil
16. Areas of consultancy and income generated :Custom designed training programs
Income through testing services –Rs 65000/- (Textile Testing Lab)
17. Faculty recharging strategies
 - External industrial experts are invited to the Faculty Development Programmes to give lectures on industry oriented problems related to fashion designing and on the topics like modern apparel technology for the enhancement of the technical knowledge.
 - Training programmes based on Bloom’s Taxonomy were organized to enhance the academic skills for the faculty members on 17.09.14.
 - Motivational and personality development programmes for the faculty were conducted by external expert like Sri Mahalakshmi through Personal Effectiveness Programme (PEP) organized at BIT during the period of 09.06.12 to 10.06.12, 21.07.12 to 22.07.12, 28.07.12 to 29.07.12 and 20.11.12 to 21.11.12
 - Sponsored faculty members to FDP organized by other Institutions.
 - Interaction with Experts from Industry and Academia.
 - Faculty visits to Industries under IDP (Industry Defined Problems) and IRP (Industry Relationship Performance) have benefited the faculty members to keep them updated with the knowledge on the prevailing industry problems and the current technological developments.
18. Student projects
 - Percentage of students who have done in-house projects including inter-departmental - ~70% including inter-departmental projects.
 - Percentage of students doing projects in collaboration with industries / institutes - ~ 30% of the projects done in collaboration with industries and institutes.
19. Awards / recognitions received at the national and international level :
Nil

20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Sl. No	Event	Title	Sources of Funds	Faculty Coordinator	Period	Participants
1.	Workshop	TUKA CAD Training	Self-support	Mr.S.Mohanraj	14.06.10 To 20.06.10	31
2.	Workshop	Quality & Selection of Sewing Needles	Self-support	Mr.S.Mohanraj	17.09.10	31
3.	Workshop	Personality Development Programme	Self-support	Mr.V.Sriramulu	04.01.11 to 13.01.11	48
4.	Workshop	Innovations in Processing and Finishing	Self-support	Mr.M.Gobalakrishnan	19.03.11	31
5.	Staff Development Programme	Modern Spinning Technology	AICTE, New Delhi	Dr.R.Perumalraj	23.05.11 to 04.06.11	52
6.	Workshop	Communication Skill Development	Self-support	Mr.V.Sriramulu	19.08.11 to 29.08.11	64
7.	Entrepreneurship Development Program-mes	Apparel Manufacturing	DST- New Delhi	Mr.V.Sriramulu	26.12.11 to 28.01.12	30
8.	Conference	Geosynthetics	CSIR, New Delhi	Dr.R.Perumalraj	3.02.12 to 04.02.12	100
9.	Symposium	FashDash'12	Self-support	Ms.M.Bharani	23.02.12 to 24.02.12	150
10.	Entrepreneurship Development Programme	Apparel Technology	DST- New Delhi	Ms.PSS Shiyamla Devi	28.02.12 to 29.03.12	30
11.	National Symposium	Eco Friendly Textiles and Apparels	DST, New Delhi	Mr.ThilakVadicherla Mr.M.Gobalakrishnan	08.03.12 To 09.03.12	75

Sl. No	Event	Title	Sources of Funds	Faculty Coordinator	Period	Participants
12.	Workshop	Training the Trainers	Self-support	Mr.V.Sriramulu	23.04.12 to 27.04.12	40
13.	Workshop	Infosys Campus Connect	Self-support	Ms.PSSShiyamla Devi	30.07.12 to 03.08.12	64
14.	Workshop	Corel Draw and Adobe Photoshop	Self-support	Mr.ThilakVadicherla	31.08.12 to 01.09.12	64
15.	International Convention cum Workshop	Innovations in Engineering & Technology for Sustainable Developments	CSIR, New Delhi	Dr.R.Perumalraj	3.09.12 to 05.09.12	150
16.	Workshop	IE in Garment Industry	Self-support	Ms.M.Bharani Mr.N.Senthilkumar	03.09.12	65
17.	Workshop	Scientific Learning Skills	Self-support	Ms.PSSShiyamla Devi	11.12.12 & 12.12.12	16
18.	Workshop	Medical Textiles	Self-support	Mr.R.Indrajith	04.01.21 3	194
19.	Workshop	Scientific learning skills	Self-support	Ms.PSSShiyamla Devi	07.01.13 to 10.01.13	32
20.	Symposium	FashDash'13	Self-support	Mr.S.Mohanraj Mr.M.Gobalakrishnan	14.02.13 & 15.02.13	600
21.	FDP	Fashion Design & Technology	AICTE, New Dehi	Dr.R.Perumalraj	20.05.13 to 01.06.13	88
22.	Workshop	Maintenance of Lock Stitch Machines	Self-support	Ms.M.Bharani	13.07.13	90
23.	Workshop	Fashion Illustration	Self-support	Ms.PSSShiyamla Devi	20.07.13	90
24.	Workshop	Fashion Craft	Self-support	Ms.PSS Shiyamla Devi	16.08.13 to 17.08.13	31

Sl. No	Event	Title	Sources of Funds	Faculty Coordinator	Period	Participants
25.	Workshop	Apparel Machine Maintenance	Self-support	Ms.M.Bharani	23.09.13 to 24.09.13	64
26.	workshop	Circular and Warp Knitting	Self-support	Mr.R.Indrajith	21.10.13 to 22.10.13	64
27.	Symposium	FashDash'14	Self-support	Mr.S.Mohanraj Ms.PSSShiyamla Devi	14.02.14 & 15.02.14	500
28.	National Seminar	Trends in Fashion,design, technology and marketing Of apparels and home textiles	Self-support with IE, Kolkata	Dr.R.Perumalraj	12.09.14 to 13.09.14	98

21. Student profile course-wise:

Sl. No	Name of the Course	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
1.	B.Tech Fashion Technology 2007-2011	33	19	14	89.5	100
2.	B.Tech Fashion Technology 2008-2012	33	9	24	77.8	95.8
3.	B.Tech Fashion Technology 2009-2013	29	7	22	100	90.9

22. Diversity of Students

Sl. No	Name of the Course	% of students from the college	% of students from the state	% of students from other States	% of students from other countries
1.	B.Tech Fashion Technology 2007-2011	0	28	3	0
2.	B.Tech Fashion Technology 2008-2012	0	32	2	0
3.	B.Tech Fashion Technology 2009-2013	0	31	0	0

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

S.No	Batch	Name of the Exam	No of students
1	2009-10	NIFT, M.Tech, MS, MBA	4
2	2010-11	NIFT, M.Tech, MS, MBA	8
3	2011-12	NIFT, M.Tech, MS, MBA	3
4	2012-13	NIFT, M.Tech, MS, MBA	2
5	2013-14	NIFT, M.Tech, MS, MBA	2

24. Student progression

S. No	Student progression	Percentage against enrolled
1.	UG to PG	19%
2.	PG to M.Phil.	--
3.	PG to Ph.D.	--
4.	Ph.D. to Post-Doctoral	--
5.	Employed Campus selection	70%
6.	Other than campus recruitment	--
7.	Entrepreneurs	11%

25. Diversity of staff

S.No.	Percentage of faculty who are graduates	Percentage
1.	of the same parent university	10%
2.	from other universities within the State	80%
3.	from other universities from other States	10%

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period :

Nil

27. Present details about infrastructural facilities

- Library: 276 volumes, 8 National Journals and 6000+ e-journals as per AICTE recommendation.
- Internet facilities for staff and students
 - Provided computing facility to all teaching staffs with Internet connectivity
 - Computer Laboratory is available with 50 desk top PC and Internet connection (100 Mbps)
- Total number of classrooms - 4
- Classrooms with ICT facility - 4

- e) Students' laboratories
- There are various laboratories available as per curriculum such as Spinning, Weaving & knitting, Chemical processing, Textile testing, Textile CAD and Pattern making laboratories.

f) Research laboratories

Research facilities are available in Spinning, Weaving, Processing and Testing Laboratories, Apparel, Fashion Designing and Fashion Illustration.

28. Number of students of the department getting financial assistance from College.

Sl.No.	Year	Friend of Friendless	Institution Scholarship
1	2012-13	Scholarship of Rs.12, 000 for 5 students	--
2	2011-12	Scholarship of Rs.10, 000 for 2 students	Scholarship of Rs.40000 for 4 students
3	2010-11	Scholarship of Rs.10, 000 for 2 students	Scholarship of Rs.40000 for 4 students
4	2009-10	Scholarship of Rs.10, 000 for 4 students	---

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

Yes,

- Opinions and suggestions from Employers, Alumni and Industries are obtained.
- Referring to Programmes offered by MIT (USA), Stanford University and interaction with professors of IITs, NITs and Research Centers.
- All the inputs given by stakeholders are placed in the BOS. These suggestions are taken when framing the curriculum and syllabi for a new programme and are placed before Academic Council for approval with or without modification.

30. Does the department obtain feedback from

- Faculty on curriculum** as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes, feedback from faculty is obtained from faculty on the curriculum as well as teaching learning evaluation and modified if necessary after due discussion in the Board of Studies Meeting. The recommendations of BoS are forwarded to academic council for approval with or without modification for implementation. Feedback on teaching learning process is discussed in departmental meetings and then suitable actions are taken if necessary.

- b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Feedback on Staff:

An online feedback system is maintained as per ISO format and obtained twice in a semester. The obtained feedback is available to Heads of Departments for counseling of faculty members. The feedback is also incorporated in updating the 7 points performance indicator for staff evaluation

Feedback on Curriculum:

Considered at the Departmental Meeting and suggestions are placed with feedback before the Board of Studies for discussion. The Board of Studies forwards the recommendation to Academic Council for approval with or without modification for implementation.

Feedback on Teaching Learning Evaluation:

Regular feedback from students on teaching-learning process is obtained and the same discussed in the departmental meeting and then suitable remedial actions are taken if necessary.

- c. Alumni and employers on the programmes and what is the response of the department to the same?

Feedback on programme are obtained from alumni, employers and personnel from Industries before the conduct of Board of Studies meeting and their suggestions are included in the agenda for consideration.

31. List the distinguished alumni of the department (maximum 10)

Sl.No	Name of the Alumni	Current Position	Batch
1.	M Mohan raj	Senior Merchandiser, Shahi Exports, Bangalore	2010
2.	S Senthilkumar	Customer Development Coordinator, Intertek Testing Services, Bangalore	2010
3.	M Yuvaraj	Quality inspector, BVQI, Mumbai	2011
4.	R Golden Pravina	Designer, Shahi Exports, Bangalore	2011
5.	D NixshaMafer	Senior Merchandiser, ITC, Bangalore.	2011
6.	P Karthik	Managing Director, Wins Exports, Tirupur.	2012
7.	G Saaraswathi	Managing Director, Sunlite Industries, Tirupur	2012
8.	S Sneha	Senior Merchandiser, Roverco, Chennai.	2012
9.	A Swathy	Executive Trainee, Madura Garments, Bangalore	2013
10.	S Suganya	Student, NIFT, Bombay	2013

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.
- Totally 78 special lectures, workshops and seminars have organized with external experts for all Fashion Technology students to enhance their knowledge on core as well as in management areas from the year 2011 to 2013.
(Refer Annexure – B)
33. List the teaching methods adopted by the faculty for different programmes.
- Creative Learning Methodology (CLM) is followed in theory courses with focus on improving reading, listening, presentation and problem solving skills. Students are trained in Scientific Learning Skills for improving reading and analytical thinking skills.
 - Layer Learning/ Learning by doing
 - Guest Lectures
 - Seminars
 - Industrial Visits and In-plant Training
 - Visit to Technical Exhibitions
 - Workshops
34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?
- a. Three periodical exams are conducted prior to the end semester examination to continuously monitor the learning depth of students
 - b. Mini projects, participation in seminar and presentation of papers are made mandatory to check and analyze the learning outcome
 - c. Mock interviews and group discussions are organized to the pre-final year and final year students to measure their performance
 - d. Performance indicators of students and faculty are defined and reviewed constantly after each periodical test. After review the remedial action taken.
 - e. As per ISO 9000 periodic auditing by internal and external audit teams is done twice a year. The report is considered by the department and suitable action is taken to set right any deficiencies.
35. Highlight the participation of students and faculty in extension activities.
- Students are encouraged to participate in the Extension Activities through various clubs and societies including NSS and NCC. Besides, students are motivated to participate in following activities
 - Providing Solution to Industry Defined Problem
 - Internships
 - Industrial visits

- Conferences
- Workshops
- Paper presentation
- Project design contest
- Voluntary services in +2 / Diploma students motivational programmes
- Sports activities
- Training & Placement programme organizing
- Faculty Members of the Department are actively involved in the extension activities individually or jointly with other Departments, Clubs and Societies.
 - Delivering lectures in other Institutes and Industries
 - Consultancy services related to the Societies, Industries
 - Undertaking Industry Relationship Programmes to identify the gap that exists between Institute and Industry
 - Research activities based on social issues like water, pollution, employment
 - Training and Placement activities for students with faculty participants.

36. Give details of “beyond syllabus scholarly activities” of the department.

Scholarly activities are undertaken, beyond the syllabi, to inculcate research and industry orientation to the students with the help of faculty members through the following activities;

- One Credit Courses
- Self-study Electives
- Value Added Courses
- Workshops and Expert’s Lectures
- Projects with Research Focus
- Industrial Visits
- Internships in India and Abroad
- Personality Development Programmes
- Preparation of Displays on New Technology / Products
- Entrepreneurship Development Programme
- Solving Industry Defined Problems
- Technical Clubs and Societies
- Students’ Association for Co-curricular Activities

37. State whether the programme/ department is accredited/ graded by other agencies.

Give details.

UG Programme is accredited for 5 years by NBA, New Delhi with effect from 04.01.2013.

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strength	Weakness	Opportunities	Challenges
<ul style="list-style-type: none"> ➤ State-of- the art Laboratories ➤ Qualified and experienced faculty members ➤ Good Industry-Institute Interaction. ➤ MOU with Lectra, Bangalore, New Zealand Institute of Fashion Technology Ltd.etc., ➤ Faculty student ratio ➤ Consistent academic performance (results and placements) 	<ul style="list-style-type: none"> ➤ Less number of sponsored research projects and patents ➤ Less exposure to international events, related to fashion. ➤ Consultancy activities. ➤ Students are from rural background. 	<ul style="list-style-type: none"> ➤ Introduction of PG programme ➤ Availability of research funding ➤ Encouragement from the Institution provided to the faculty members in research activities ➤ Entrepreneurship Development 	<ul style="list-style-type: none"> ➤ Lower level salary prevailing for the students in industry. ➤ Competition with other institutions like Arts & Science Colleges, Polytechnics and other small training centers offering Fashion Technology ➤ Full-fledged and Fashion focused teaching Institute like NIFT ➤ Training the students to cope up with the ever changing Fashion Industry scenario and products ➤ More number of R&D Projects / Consultancy work to be achieved

39. Future plans of the department

- 1 To establish a Centre of Excellence in Fashion Design and Technology
- 2 To establish Fashion Resource Centre like NIFT
- 3 To initiate collaborative programmes with Leading Universities and Research Associations in India and Abroad
- 4 To introduce and develop visualization techniques in STEM (Science, Technology, Engineering and Mathematics subjects)

Publications:

1. R Perumalraj, Effective usage of textile dye house effluent for fabric dyeing by bioremediation, Asian Journal of Microbiology, Biotechnology & Environmental Sciences, Vol 16, Issue 4, Dec 2014; Page No.(971-976)
2. R Perumalraj, Nano silver conductive composite material for electromagnetic compatibility, Journal of Reinforced Plastics and Composites, Volume 33 Issue 11 June 2014 pp. 998 – 1014.
3. R Perumalraj, Single Stage Antimicrobial and Crease Proof Finishing Of Cotton Materials, Journal of Industrial Textile ,Sage Publications, April 2013, 42 (4) 376-391
4. R Perumalraj, Effect of Silver Nano particles on Wool Fibre, ISRN Chemical Engineering, vol. 2012, December 2012, Article ID 842021, pp.1-4
5. R Perumalraj, Moisture management properties of polyester with bamboo bily knitted fabrics, Elixir Mechanical Engineering Journal, vol. no. 53, December 2012, pp.11690-11693
6. R Perumalraj, Electroless Silver Nitrate Plated Yarn, Elixir Chemical Engineering Journal, vol. no. 51A, November 2012, pp.11080-11083
7. R Perumalraj, Optimization of electromagnetic shielding tester process parameters for conductive textile composite materials through Taguchi design and ANOVA, Elixir Elec. Engg. Journal 40, December 2011, pp.5477-5482
8. R Perumalraj, Effect of Silver Nano Particles on Wool Fibre, Elixir Chem. Engg. Journal 40, December 2011, pp. 5474-5476
9. R Perumalraj, Design and Development of Electrostatic Discharge Tester For Textile Materials, Elixir Elec. Engg. Journal 40, December 2011, pp. 5466-5470
10. R Perumalraj, Electroless nickel plated composite textile materials for electromagnetic compatibility, Indian Journal of Fibre and Textile Research, Vol. 36, March 2011, pp. 35-41
11. R Perumalraj, "Silver-Filled Electrically Conductive Epoxy and Silver Nitrate Plating Textile Composite Materials for EMC" Journal of Reinforced Plastics and Composites, Volume 30 Issue 3, February 2011, pp 203-215.

12. R Perumalraj, Electromagnetic Shielding Tester for Conductive Textile Materials, Indian Journal of Fibre and Textile Research, Vol 35 December 2010, pp361-365
13. R Perumalraj, Copper, Stainless Steel, Glass Core Yarn and Ply Yarn Woven Fabric Properties, Sage Publication Journal of Reinforced Plastics and Composites, Volume 29 Issue 20 October 2010.
14. R Perumalraj, Tensile Properties of Copper Core Yarn', Journal of Reinforced Plastics and Composites, Sage Publication Vol. 29, No. 11, 2010.
15. R Perumalraj, 'Electromagnetic Shielding Effectiveness of Doubled Copper Cotton Yarn Woven Materials' Fibres & Textiles in Eastern Europe, June 2010, Vol.18, No.3 (80), pp74-80.
16. R Perumalraj, Textile Composite Materials for EMC, Journal of Reinforced Plastics and Composites, Sage Publication Journal of Reinforced Plastics and Composites, Volume 29 Issue 19 October 2010, 2992-3005.
17. R Perumalraj, Nano Silver Finishing of Composite Materials for EMSE, Journal of Reinforced Plastics and Composites, Sage Publication, Volume 29 Issue 18 September 2010, 2753-2770.
18. R Perumalraj, 'Tensile Properties of core yarn', Journal of Textile and Apparel, Technology and Management , Vol.6, No.2 (2009)
19. R Perumalraj, Electromagnetic shielding effectiveness of copper core yarn knitted fabrics', Indian Journal of Fibre and Textile Research, (2009), Vol. 34, No. 2, pp. 149-154
20. R Perumalraj, Electromagnetic shielding effectiveness of copper core-woven fabrics', Journal of the Textile Institute, (2009), Vol. 100, No. 6, pp. 512-524 Tayler & France Publication.
21. M Bharani, R V M Gowda, S Rajashree, K KSarumath, "Characterization of Sewability Parameters of Plain Structured Fabric with modified Trevira CS Yarn for Defence Application," Chemical Science Review and Letters, vol. 1, No. 2, pp. 53-61, 2012
22. S Mohanraj, P Vanathi, N Sowbarniga, DrDSaravanan," Antimicrobial effectiveness of vitexmegundo test extracts," Indian Journal of Fiber and Textile Research, Vol.37, pp.389-392, 2012

23. M Bharani, R V MahendraGowda, " Characterization of Seam Strength and Seam Slippage of PC Blend Farbric with Plain Woven Structure and Finish," Research Journal of Recent Sciences, Vol.1, No. 12, pp. 1-8, 2012

Publication Vs Impact Factor

S No	Journal Title	Number of Papers Published	Impact Factor
1	Journal of Industrial Textiles	1	1.2
2	Chemical Science Review and Letters	1	-
3	Elixir Mechanical Engg	1	-
4	Elixir Chemical Engineering	2	-
5	Elixir Elec. Engg.	2	-
6	Indian Journal of Fibre and Textile Research	4	0.486
7	Research Journal of Recent Sciences	1	-
8	ISRN Chemical Engineering	1	-
9	Journal of Reinforced Plastics and Composites	6	1.188
10	Asian Journal of Microbiology, Biotechnology & Environmental Sciences	1	-
11	Fibres & Textiles in Eastern Europe	1	0.541
12	Journal of the Textile Institute	1	0.770
13	Journal of Textile and Apparel, Technology and Management	1	-

Citation Index

S No	Journal Title	Paper Title	Publication Details	Number of Citations
1	Indian Journal of Fibre and Textile Research	Electromagnetic shielding effectiveness of copper core yarn knitted fabrics	Vol 34 No 2, 149-154, 2009	35
2	Journal of the Textile Institute	Electromagnetic shielding effectiveness of copper core-woven fabrics	Vol 100, No 6, 512-524, 2009	40

S No	Journal Title	Paper Title	Publication Details	Number of Citations
3	FIBRES & TEXTILES in Eastern Europe	Electromagnetic Shielding Effectiveness of Doubled Copper Cotton Yarn Woven Materials	Vol. 18, No. 3 (80) pp. 74-80, 2010	19
4	Journal of Reinforced Plastics and Composites	Nano Silver Finishing of Composite Materials for EMSE	vol. 29 no. 18 2753-2770, 2010	04
5	Journal of Reinforced Plastics and Composites	Copper, Stainless Steel, Glass Core Yarn and Ply Yarn Woven Fabric Properties	vol. 29 no. 20 3074-3082, 2010.	05
6	Indian Journal of Fibre and Textile Research	Electroless nickel plated composite textile materials for electromagnetic compatibility	Vol. 36, March 2011, pp. 35-41.	10
7	Journal of Reinforced Plastics and Composites	Silver-Filled Electrically Conductive Epoxy and Silver Nitrate Plating Textile Composite Materials For EMC	vol. 30 no. 3, 203-215, 2011	02
8	Asian Textile Journal	Electrically conductive polymer materials for EMI shielding	Vol 18 No1, PP 49-57 Jan 2009	05
9	Journal of Reinforced Plastics and Composites	Textile Composite Materials for EMC	Volume 29 Issue 19 October 2010	04
10	Journal of Textile and Apparel, Technology and Management	Tensile Properties of core yarn	Vol.6, No.2 (2009)	04
11	Journal of Reinforced Plastics and Composites	Tensile Properties of Copper Core Yarn	Vol. 29, No. 11, 2010	04
12	Indian Journal of Fibre and Textile Research	Electromagnetic Shielding Tester for Conductive Textile Materials	Vol 35 December 2010	03
13	Journal of Industrial Textile	Single Stage Antimicrobial and Crease Proof Finishing Of Cotton Materials	April 2013, 42 (4) 376-391	02

S No	Journal Title	Paper Title	Publication Details	Number of Citations
14	Elixir Mechanical Engineering Journal	Moisture management properties of polyester with bamboo bipy knitted fabrics	vol. no. 53, December 2012	02

Journal Vs SNIP (Source Normalized Impact per Paper)

S No	Journal Title	Number of Papers Published	SNIP
1	Journal of Industrial Textiles	1	1.173
2	Indian Journal of Fiber and Textile Research	4	1.338
3	Journal of Reinforced Plastics and Composites	6	0.867
4	Fibres& Textiles in Eastern Europe	1	0.874

Journals Vs SJR

(SCImago Journal Rank (SJR) reflects the prestige or status of the citing source: the value represents weighted citations per document.)

S No	Journal Title	Number of Papers Published	SJR
1	Journal of the Textile Institute	1	0.530
2	Journal of Industrial Textiles	1	0.586
3	Indian Journal of Fiber and Textile Research	4	0.475
4	Journal of Reinforced Plastics and Composites	6	0.496
5	Fibres& Textiles in Eastern Europe	1	0.433

Annexure - B

Guest Lectures\ Personality Development\ EDP\ Alumni Lecture (78)				
S. No.	Date	Name of the Speaker Programme	Students Participated	Topic
1.	22.01.10	Martin Antony, Director, Lilyput Kidswear, Tirupur	II, III and IV Year	Social Accountability in Garment Industry
2.	12.02.10	Tim J Mendonsa, -Fashion Designer, Bangalore	II, III and IV Year	Fashion Designing
3.	25.02.10	Dr. V. R. Sai Ganesh, Country Head - Business Development, Dystar, Mumbai.	II, III and IV Year	Textile Finishing
4.	19.08.10	Mr.T.Karthikeyan, Managing Director, V.Thangavelu & Sons (P) Ltd., Committee of Young Directors in SIMA, COA Member in PDEXIL, Erode	II, III and IV Year	Yarn Quality Requirements for Home Furnishing
5.	14.08.10	Dr.S.S.Ramkumar Associate Professor Texas Tech University, USA	II, III and IV Year	Value Addition of Technical Textile
6.	21.08.10	Mr.G.Saravana Balaji Industrial Engineer, SP Apparels, Tirupur	II, III and IV Year	Role of Industrial Engineer
7.	25.08.10	Mr.K.Sheelal Bohra, Manager-Operation, TIME, Erode	II, III and IV Year	MBA as a Career Option for Pre-Final Year Students.
8.	10.02.11	Dr.V.L.Narasimman, Vice President, LMW, Coimbatore	II, III and IV Year	Creative and Innovation in Textile and R&D
9.	25.02.11	Mr.D.Arun, Manager-Business Development Career Zone, Coimbatore - 18	II, III and IV Year	Opportunities Abroad for Higher Studies
10.	26.02.11	M Mahendran, MD, MM Clothings Tirupur	II, III and IV Year	Entrepreneurial Experience
11.	19.03.11	Mr.S.Arunagiri&Mr.BharathKan nan, Voltas Ltd. (Textile Machinery Division), Coimbatore	II, III and IV Year	Workshop on Innovations in Processing and Finishing (Textile Wet processing Machines)

12.	19.03.11	Mr K Ponraj, Former Service Engineer of Voltas Limited (2005 Batch TT)	II, III and IV Year	Industrial expectations and handling interview sessions.
13.	22.03.11	Mr.ArthanareshwaranMD,Tuka Center, Erode	II, III and IV Year	Computer Applications in Textiles and Apparel Industry
14.	23.03.11	Mr J Priyan, Manager- Business Development, Domain Education Consultants India, Coimbatore	II, III and IV Year	Overseas Educatio
15.	25.03.11	Mr R Dhileepan (2010 Batch), Executive (R & D), Shahi Exports, Bangalore	II, III and IV Year	Innovative Concepts in Garment Production
16.	25.03.11	Mr Vijay Anand (2009 Batch)	II, III and IV Year	Entrepreneurial Experiences
17.	28.03.11	Mr Naveen Kumar C.A., (Taxation Consultant), Somanur	II, III and IV Year	Taxation Issues in a Business Enterprises
18.	05.04.11	Mr C. Viswalingam, General Manager (Weaving), NSL Textiles, Inkollu, A.P.	II, III and IV Year	Shuttleless Weaving
19.	06.04.11	Mr M S Karthikeyan, Managing Director, M S World, Avinashi	II, III and IV Year	Valedictory address of the Students Association and narrated the Scope for Fashion Designers in Tirupur& Bangalore
20.	02.07.11	Mr.Lalchand Bhatt, Instructor cum Demonstrator, Mahatma Gandhi handicapped Handicraft Training Centre, Ramdev Nagar, Badarpur, New Delhi - 110044	II, III and IV Year	Workshop & Demonstration on Paper Craft
21.	08.07.11	Mr.N.P.Balasubramanian, Executive Tech., & Sales, Anand Chemical, ChemiColours Co., Hindustan Dye-Stuff Agence, Tirupur	II, III and IV Year	Guest Lecture on Scope and Opportunities available for the Fashion Technologists

22.	08.07.11	Inauguration of Association of Fashion Technologists by Mr.K.V.RaviBalaji Zonal Manager (South), Tirupur, BASF India Ltd., Tirupur.	II, III and IV Year	Change in the Attitude and Aptitude
23.	11.08.11	A Demonstration Programme by Mr.S.Prabhu Service Engineer Usha International Ltd., (Sewing Machines) Coimbatore	II, III and IV Year	Different Types of Fancy Seams & Stitches
24.	23.09.11	Guest Lecture by Mr.R.G.PanneerSelvam Deputy Director Weaver's Service Centre Ministry of Textiles (Govt. of India) Kanchipuram	II, III and IV Year	Merchandising & Marketing
25.	30.12.11	Guest Lecture by Dr.C.Channappa Head & Associate Professor Department of English USMR College Shankaraghatta - 577 451 Shimoga Dt., Karnataka	II, III and IV Year	Importance on Communication
26.	04.02.12	Guest Lecture by Mr.R.Indrajith, Regional Head Textile Engineering Group ATE Enterprises Pvt. Ltd. 32, Race Course Road Coimbatore - 18	II, III and IV Year	Key aspect of Personality Development
27.	08.02.12	Alumni Lecture by Mr.P.Ravin Kumar Admin Executive Bannari Amman Spinning Mills Ltd, Coimbatore	II, III and IV Year	Higher Studies in UK

28.	27.03.12	Valediction of Association of Fashion Technologists by Mr.K.Karthikeyan Tripurg Sports Wear, 28th, 8th Cross, Amar Jothi Garden, AS Nagar, Kangeyam Road, Tirupur - 04. Mo.:9715480876	II, III and IV Year	Fashion Designing
29.	12.07.12	Inauguration of Association of Fashion Technologists by Mr.K.R.Nallusamy, M.D, Orange Impex, Karur	II, III and IV Year	Personality Development
30.	19.07.12	Inauguration of E-cell-BIT & Workshop by Mr.GovindanManikandan, MD, Apparel Global Consulting Tirupur	II, III and IV Year	Entrepreneurship Opportunities
31.	21.07.12	Video Conference by Mr.R.Bharanitharan, Manager Marketing - South India, Reiter India Private Limited, Coimbatore	II, III and IV Year	Developments in Spinning
32.	21.07.12	Video Conference by Mr C. K. Berlin Jinu, Manager (Technical Support), M/s. Veejay Lakshmi Engineering Works Ltd, Coimbatore	II, III and IV Year	Advancements in Twisting
33.	21.07.12	Guest Lecture by Mr.Ebenezer, PSG College of Arts & Science, Coimbatore	II, III and IV Year	Fine Arts - Practical
34.	28.07.12	Video Conference by Mr.S.Kasivishwanathan, Senior Manager, Slaes, Engineering Sales, Coimbatore	II, III and IV Year	Marketing
35.	23.08.12	Leader of the Week by Mr P Kittusamy, Former Director, Kay Tee Corporation, Tirupur	II, III and IV Year	Leadership Qualities & Interactive session with students

36.	23.08.12	Valediction of EDP Programme by Mr P Kittusamy, Former Director, Kay Tee Corporation, Tirupur	II, III and IV Year	Distribution of Certificates
37.	26.09.12	Guest Lecture (Jointly with Textile Department) by Mr K P Janakiraman, Ex Assistant Director, SITRA, Coimbatore Former Director	II, III and IV Year	Best Practices in Textile Wet processing
38.	04.10.12	Alumni Lecture by Mr. Pradeep, Service Engineer, LMW Coimbatore	II, III and IV Year	New Developments in Spinning Machinery
39.	05.10.12	Alumni Lecture by Mr. Shyam, Free Lancer, Shys Media Pvt. Ltd, Coimbatore	II, III and IV Year	Opportunities for Fashion Technologists
40.	03.12.12	Inauguration of EDP program on “Apparel Technology” and Guest Lecture by Mr K S Balasubramaniam, Managing Director, Abirami Textiles, Sathyamangalam	II, III and IV Year	Entrepreneurship Qualities
41.	13.12.12	Guest Lecture by DrNarendra Reddy, Lincoln, University of nebraska	II, III and IV Year	Technical Textiles
42.	13.12.12	Guest Lecture by MrTirupathi, SITRA	II, III and IV Year	Testing
43.	15.12.12	Alumni Interaction by Mr.R.K.Prabhu, Merchandiser, Magnum Clothing Pvt. Ltd, Chennai	II, III and IV Year	Opportunities in Merchandising
44.	18.02.13	Mr.Rajkumar E, Factory Manager, S P Apparels, Sathyamangalam, Unit I	II, III and IV Year	Entrepreneurial Experience
45.	20.02.13	MrKarhik (2012 Batch)	II, III and IV Year	Alumni Lecture on Educational Opportunities in U K

46.	01.03.13	Mr.S.Karthikeyan (2008 Batch) Raymond Uco Denim Ltd. Yavatmal	II, III and IV Year	Alumni Lecture on Apparel Industry – Current Scenario
47.	05.03.13	Mr A Manikandan (2008 Batch) , Indian Navy	II, III and IV Year	Opportunities in Indian Navy
48.	06.04.13	MsSuja, Asst. Store Manager, Ogawa, Chennai	II, III and IV Year	Role of Visual Merchandiser in Fashion Industry
49.	10.04.13	Mr D Saravanan, Managing Director, Grey Field Exports, Tirupur	II, III and IV Year	Present Scenario of Apparel Industry in Tirupur Region
50.	13.04.13	MrVinoth S (Alumni 2012 Batch), Executive, IE Department K Mohan Company, Bangalore	II, III and IV Year	Importance of IE in Apparel Industry
51.	18.06.13	MrHariharasudhan, MS (Management as Textile Trade & Technology), MS NiederrheinMonchenglades University, Germany	II, III and IV Year	Educational Opportunities in Germany
52.	25.06.13	Mr Mohan Cadiyam, Business Manager, TNG Technologies, Bangalore	II, III and IV Year	Demonstration on Fashion CAD Demonstration
53.	29.06.13 & 01.07.13	MrNarutamarao, Fine Arts College, New Delhi	II, III and IV Year	Workshop on Paper Art and Craft
54.	10.07.13	Mr.M.Ganesan General Manager, SCM Garments Pvt. Ltd., Tirupur	II, III and IV Year	Fasbric out sourcing for Garment Manufacturing
55.	17.07.13	Mr.M.Ganesan Planning Manager, Prime tex SRG Apparels (P) Ltd., 10-B, Padmavathipuram, Tirupur	II, III and IV Year	Plan for the Productions

56.	15.07.13	Mr.GilesBrooker Chariman, & Ms.PrabhaGovindasamy Managing Director Giles Brooker Group, Newzealand	II, III and IV Year	Students Training, Exchange Proframme in Newzealand
57.	20.07.13	Mr.S.Ashwanth (2005 Batch Textile)	II, III and IV Year	Opertunities in Non Textile Areas
58.	18.01.10	Mr. M. Karthikeyan,CEO, Winsoft Technologies, Erode	II, III and IV Year	ERP & MIS
59.	09.02.10	Dr Sivaramakumar Parti,Manager, Dystar, Mumbai.	II, III and IV Year	Theory of Dyeing
60.	02.08.10	Mr.A.C.Kalidas, Managing Director, Confident Process, Tirupur	II, III and IV Year	Requirements of Quality Dying Related to Fashion
61.	14.08.10	Mr.T.T.Sathya Prabhu, Sales Executive, Groz-Becket, Tirupur	II and IV Year	Quality & Selection of Sewing Needles
62.	21.08.10	K.R.Arun, Asst. Manager, The Catholic Sirian Bank Ltd., International Banking Division, Kerala	II, III and IV Year	Financial Opportunities for Budding Entrepreneur
63.	10.02.11	Dr.V.L.Narasimman, Vice President, LMW, Coimbatore	II, III and IV Year	Creative and Innovation in Textile and R&D
64.	17.02.11	J.J.Parikh, Vice President sales, RB Electronic, Ahamedabad	II, III and IV Year	Advance in Textile Wet Processing Machines
65.	22.03.11	Mr.ArthanareshwaranMD,Tuka Center, Erode	III and IV Year	Computer Applications in Textiles and Apparel Industry

66.	05.04.11	Mr C. Viswalingam, General Manager (Weaving), NSL Textiles, Inkollu, A.P.	II, III and IV Year	Shuttleless Weaving
67.	06.04.11	Mr M S Karthikeyan, Managing Director, M S World, Avinashi	II, III and IV Year	Valedictory address of the Students Association and narrated the Scope for Fashion Designers in Tirupur& Bangalore
68.	23.08.11	Mr.Christophor S. Karunanithi Managing Partner / Team Head, Tiara Sourcing, Tirupur	II, III and IV Year	Merchandising & Marketing
69.	18.11.11	Ms.DivyaBharathi, Trainer, Madura Garments Bangalore	II, III and IV Year	Placement Preparation for Madura Garment
70.	03.02.12	Dr.V.Subramaniyam Director, Jaya Engineering College Tiruvaniyur, Chennai	II, III and IV Year	Fashion Industries
71.	23.08.12	Mr P Kittusamy, Former Director, Kay Tee Corporation, Tirupur	II, III and IV Year	Current issues in the Garment Industries
72.	09.01.13	Leader of the Week - Mr.Jagannathan Narayanan, MD, GSI Lanka Pvt. Ltd, Srilanka	II, III and IV Year	Apparel Industry - Global Perspective
73.	18.01.13	Alumni Lecture - Mr A Vinoth, MD, Shankar Textiles,Tiruchengodu	II, III and IV Year	Entrepreneurial Experience
74.	22.08.13	Mr.N.Shyam R & D Manager S. Oliver Brand Indonesia	II, III and IV Year	International Scenario on Fashion Designing
75.	24.08.13	Mr.A.Palanivel Deputy Director MSME Branch Development Institute, Coimbatore	II, III and IV Year	Entrepreneurship Development Programme

76.	18.06.13	Mr.Hariharasuthan, Pursuing MS- Management as Textile Trade, NiederrheinMonchengladesh University, Germany	IV Year	Heigher Studies in Germany
77.	22.06.13	Mr.V.Thangapandiyan Pursuing M.Tech., IIT, Delhi	IV Year	Cracking GATE Examination
78.	25.06.13	Mr.C.Vivek, Chemical Processing Executive, Arthi A1 Traders, Karur	III and IV Year	An insight to Textile Industry alumni perspectide

Evaluative Report of the Department

1. Name of the Department & its year of establishment: Biotechnology;
Year of establishment: 2003
2. Names of Programmes / Courses offered
 - B.Tech. Biotechnology
 - M.Tech. Biotechnology
 - Ph.D. Biotechnology
3. Interdisciplinary / Multidisciplinary courses and departments involved :

S.No	Courses	Department Involved
1	Proteomics & Genomics	Computer Science and Engineering/Information Technology
2	Biostatistics	Computer Science and Engineering/Information Technology/Mechanical Engineering/Civil Engineering/Electronics and Instrumentation Engineering/School of Management Studies/Electrical and Electronics Engineering/Mechatronics Engineering/Electronics and Communication engineering
3	Environmental Biotechnology	
4	Waste Management and Power Generation	
5	Bioentrepreneurship	
6	Food Process Engineering	Mechanical Engineering
7	Biofuels	Mechanical Engineering / Automobile Engineering / Electrical and Electronics Engineering
8	Biosensors	Electronics and Communication Engineering/Electrical and Electronics Engineering / Electronics and Instrumentation Engineering / Mechatronics Engineering
9	Biological spectroscopy	Electronics and Communication Engineering / Electronics and Instrumentation Engineering / Electrical and Electronics Engineering / Information Technology
10	Process Instrumentation and Control	Electronics and Instrumentation Engineering/Electronics and Communication Engineering/ Electrical and Electronics Engineering / Mechatronics Engineering

4. Annual/ semester/choice based credit system:
Semester with choice based credit system
5. Participation of the department in the courses offered by other departments: Nil
6. Number of teaching posts sanctioned and filled (Professors/ Associate Professors/ Asst. Professors)

UG:

Category	Sanctioned	Filled
Professors	1	2
Associate Professors	2	-
Asst. Professors	9	13

Total (A) = 15

PG: (1 Programme)

Category	Sanctioned	Filled
Professors / Associate Professors	0	0
Asst. Professors	3	3

Total (B) = 3

Total Faculty Strength = A + B = 18

7. Faculty profile with name, qualification, designation, specialization,(D.Sc./Ph.D. / M. Phil. etc.,)

S. No.	Name of faculty member	Designation	Qualification	Corresponding specialization	No. of Years of Experience	No. of Ph.D. Students guided for last 4 years
1	Dr K Subramanian	Professor	Ph.D.	Polymer Chemistry	34	--
2	Dr K Balakrishnan	Professor	Ph.D.	Biotechnology	15	--
3	Dr G S Murugesan	Assistant Professor (Sl.G)	Ph.D.	Biotechnology	12	--

4	Dr R Ravikumar	Assistant Professor (Sl.G)	Ph.D.	Environmental Biotechnology	13	--
5	Dr B A Gowri Shankar	Assistant Professor (Sl.G)	Ph.D.	Molecular Biology	2	--
6	Dr V Sudharsana Deepa	Assistant Professor (Sl.G)	Ph.D.	Biotechnology	4	--
7	Dr K P Kannan	Assistant Professor (Sr.G)	Ph.D.	Mycology (Fungal Endophytes)	9	--
8	Mr L Vijayakumar*	Assistant Professor (Sr.G)	M.Tech.	Pharmaceutical Chemistry	10	--
9	Dr Arunava Das	Assistant Professor (Sr.G)	Ph.D.	Microbial Biotechnology	6	--
10	Ms M Senthamarai*	Assistant Professor (Sr.G)	M.Tech.	Biotechnology	6	--
11	Mr R Balakrishna raja*	Assistant Professor (Sr.G)	M.Tech.	Biotechnology	5	--
12	Ms S Tamil selvi*	Assistant Professor	M.Phil.	Biochemistry	7	--
13	Mr M Kirupa Shankar	Assistant Professor	M.Tech.	Biotechnology	2	--
14	Ms M K S Pavithra	Assistant Professor	M.Tech.	Biotechnology	1	--
15	Mr Kulandai Arockia Rajesh Packiam	Assistant Professor	M.S.	Chemical Engineering	1	--

16	Dr M S Shahul Hameed	Assistant Professor	Ph.D.	Protein Biophysics	--	--
17	Ms S Vidya	Assistant Professor	M.Tech.	Biotechnology	--	--
18	Mr B V Ranganathan	Assistant Professor	M.S.	Biotechnology	2.5	-

* Pursuing Ph.D.

8. Percentage of classes taken by temporary faculty - programme-wise information : Nil

9. Programme-wise Student Teacher Ratio

Programme	Student-Teacher Ratio
B.Tech. Biotechnology	13:1
M.Tech Biotechnology	12:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled

Staff	Sanctioned	Filled
Technical	07	07
Administrative	02	02

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

Number of Faculty with ongoing projects: 4

a) National funding agencies: 3

S.No	Faculty	Title of the Project	Funding agency	Grants Rs. (Lakhs)
1.	Dr. Arunava Das	Molecular characterization and evaluation of antimicrobial property of novel bacteriocin useful for biopreservation and control of bovine mastitis	AICTE, New Delhi	9.60

2.		Extraction, purification and molecular characterization of Plantaricin: An antimicrobial peptide isolated from <i>Lactobacillus plantarum</i>	AICTE, New Delhi	1.50
3.	Dr K P Kannan	Endophytic fungi from medicinal plants of Sathyamangalam forest as a source of medicinal important biomolecules	DRDO, New Delhi	10.52
4.	Dr. R Ravi Kumar	Development of novel and intensified metabolic bio refinery technology for sustainable ethanol production impregnating societal needs	SERB – DST, New Delhi	41.82
		Development of an intensive and novel technology for ethanol production using fibrous cotton waste from textile mills in and around Coimbatore	TNSCST, Chennai	4.67

Total Grants received (a) =Rs.68.11 Lakhs

b) International funding agencies: 1

S.No	Faculty	Title of Project	Funding Agency	Grants Rs. (Lakhs)
1.	Dr. B.A. Gowri Shankar	Toxin and voltage gated sodium channel interactions: A study on structure activity relationship	DST, New Delhi (Indo – Austria)	3.82
		Toxin and voltage gated sodium channel interactions: A bioinformatics approach of structure activity relationship	DST, New Delhi (Indo – Tunisia)	29.01

Total Grants received (b)=Rs.32.83 Lakhs

c) Total grants received = Rs.68.11 L + Rs.32.83 L =**Rs. 100.94 Lakhs** (a+b)

12. Departmental projects funded by DST; DBT, DRDO, TNSCST, AICTE etc.;

Total grants Received: Rs.12.40 Lakhs

Project Title	Project Duration	Funding Agency	Amount Received Rs. (Lakhs)
Liquid chromatography for biomolecules characterization (MODROB)	1 year 2013 - 2014	AICTE New Delhi	12.40

13. Research facility / centre with

State recognition : Research Center recognized by Anna University, Chennai

National recognition : Funds for Research Projects are received from DST, DBT, AICTE, DRDO

14. Publications:

Publications of the faculty, for the past four years

- Number of papers published in peer reviewed journals:

National: 08

International: 84

- Books with ISBN numbers with details of publishers:2
- Number listed in International Database - 51
- Citation Index – range / average;- 01 to 352; 6.1 (Google Scholar)
- SNIP – Range/ Average:- Min:-, Max: 1.34, Average: 1.34
- SJR – Range / Average:- Min: 0.16, Max: 1.43, Average: 0.46
- Impact factor – range / average: Min:0.153 Max: 2.86 Average: 0.672
- h-index : Min – 1; Max-7

(Refer Annexure - A)

15. Details of patents and income generated: 4 Patents filed

- Cell crowding formulations of bacterial bio-fertilizers / bio-agents supporting agriculture: A revolutionary approach in liquid / gel bio-inoculants preparation, 8th Feb 2013 **(532/CHE/2013)**

- Simulated Earthworm – A Biomimetic modular unit based bio-film assisted bio-degradation system, **531/CHE/2013**; Dated: 08/02/2013
- Twin-impact model of embedded Nutrifilm bioreactor curtailing heat transfer problem during microbial growth, **4752/CHE/2013**; Dated: 22/10/2013.
- Self-safe formulations of sugarcane juice based natural drinks, **4751/CHE/2013**; Dated: 22/10/2013.

Income generated: Nil

16. Areas of consultancy and income generated:

Area of consultancy	Title	Duration	Funding Agency	Amount Received Rs. (Lakhs)
(i) Food Technology	Extraction of lauric acid from virgin coconut oil	2009-2010	Vaama Oil Pvt. Ltd. Coimbatore	0.05
	Yeast production and its growth factor control	2012-2013	West Coast bakery Ooty	0.03
(ii) Bioengineering	Design of Packed bed distillation column	2009-2010	Kovai Glasswares (P) Ltd. Coimbatore	0.03
(iii) Pharmaceutical	Formulation of Dish wash soap from natural materials	2010-2011	Sree Amman Pasumai Angadi Erode	0.10
	Process optimization parameters and improving the efficiency of the evaporator	2012-2013	IndFrag Pvt.Ltd. Hosur	0.50
	To reduce the cycle time and washing with increase in the yield of caffeine in Large scale and Pilot plant	2013-2014	IndFrag Pvt.Ltd. Hosur	0.50
	Increasing the Efficiency of tray dryer and minimizing the cycle time	2012 - 2013	IndFrag Pvt.Ltd. Hosur	1.00
Total Income generated for the year 2009-2014				2.21

17. Faculty recharging strategies

- External experts are invited to give lectures on research oriented, industry oriented, society oriented problems and topics related to emerging areas to motivate the faculty.
- Faculty are deputed to participate in Faculty Development Programmes, STTP, workshop refresher course and personality development course and conferences conducted by BIT and other colleges.
- Faculty deputed to participate in national and international seminars, conferences and present papers.
- Training based on Bloom's taxonomy for improving the student evaluation process.
- Industrial training.

18. Student projects

- Percentage of students who have done in-house projects including inter-departmental

B.Tech. - Biotechnology

S. No	Academic year	Total No. of students strength	Percentage of students project in house
1	2006-2010	28/30	96.4
2	2007-2011	47/60	40.4
3	2008-2012	54/60	68.5
4	2009-2013	47/60	68.1

M.Tech. - Biotechnology

S. No	Academic year	Total No. of students strength	Percentage of students project in house
1	2009-2011	18/18	88.8
2	2010-2012	18/18	55.5
3	2011-2013	13/18	84.6

- Percentage of students doing projects in collaboration with industries / institutes

B.Tech. - Biotechnology

S.No	Academic year	Total No.of students strength	Percentage of students project industries /institute collaboration
1	2006-2010	28/30	3.6
2	2007-2011	47/60	59.5
3	2008-2012	54/60	33.3
4	2009-2013	47/60	31.9

M.Tech. - Biotechnology

S.No	Academic year	Total No. of students strength	Percentage of students project in industries
1	2009-2011	18/18	11.2
2	2010-2012	18/18	44.4
3	2011-2013	13/18	15.4

19. Awards / recognitions received at the national and international level by Faculty

- Faculty : 05
- Students : 06 (National: 4 & International: 2)

Faculty Awards:

- Dr.K.Subramanian, Professor, received Glory of India Award from India International Friendship Society, New Delhi, 2014
- Dr.K.Subramanian, Professor, received Best Citizens of India award from Best Citizens of India Publication, New Delhi, 2014
- Dr.Arunava Das, Assistant Professor (Sr.Gr), received Career Award for Young Teachers Scheme from AICTE (2014-2017)
- Dr.K.P.Kannan, Assistant Professor (Sr.Gr), received Young scientist Award from Padasala Education Today Publication (2013)
- Mr.R.Balakrishnaraja, Assistant Professor (Sr.Gr), received Summer Research Fellowship from Indian Science Academy, Bangalore (2014)

Student Awards:

- Ms.P.Mahalakshmi (2007-2011) received GKD Memorial Award Scholarship during Engineers day Celebration at PSG College of Technology, Coimbatore in 2010.
- Ms.T.Ovia Margaret (2010-2014) received Khorona Fellowship Sponsored by DBT in 2013.
- Mr.K.Chidarth (2010-2014) received Indian Science Academy Fellowship in 2013.
- Mr.K.Chidarth (2010-2014) received summer Internship at University of Queensland, Australia in 2014.
- Ms.M.Vigneswari (2010-2014) received Indian Science Academy Fellowship in 2013.
- Ms.M.Uma (2010-2014) received summer fellowship from Indian institute of Education and Research in 2013.

20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Sl. No.	Topic	Source of funding agency (National)	Organizing Faculty	No. of Participants
1.	One Day Seminar on "Food Technology - Progress and Prospects"	Science City Chennai	Dr.N.S.Vasanthi Dr.K.P.Kannan Ms.S.Tamilselvi	243
2.	National Seminar on "Polymers in Medicine and Biology"	DRDO / ICMR New Delhi & TNSCST Chennai	Dr.K.Subramanian Dr.N.S.Vasanthi Dr.G.S.Murugesan Dr.K.P.Kannan	250
3.	Fifth National Seminar on "Biotech Institute - Industry Interaction" (BIII-2011)	BIT Sathy	Dr.N.S.Vasanthi Mr.L.Vijayakumar Mr.K.Ram	232
4.	National Seminar on "Applications of chromatography and Mass spectrometry in Biotechnology"	DRDO New Delhi	Dr.K.Subramanian Dr.G.S.Murugesan Dr.K.P.Kannan	253
5.	Sixth National Seminar on "Biotech Institute- Industry Interaction" (BIII-12)	CSIR / MoES, New Delhi & Science City Chennai	Dr.N.S.Vasanthi Mr.L.Vijayakumar Mr.B.V.Ranganathan	225
6.	Seventh National Seminar on "Biotech Institute - Industry Interaction: Impact of Biotechnology on Human Welfare" (BIII-13)	DBT New Delhi	Dr.N.S.Vasanthi Mr.L.Vijayakumar Mr.B.V.Ranganathan	230

7.	National Seminar on “Microbial Products in Diverse Sectors: Agriculture, Chemicals, Energy, Enzymes, Healthcare and Polymers” (MPDS-14)	DBT New Delhi	Dr.K.Subramanian Dr.R.Ravikumar Mr.M.Kirupasankar	260
WORKSHOP				
8	Workshop on Computational Protein Docking and Protein Interaction	Jubilant Biosys Bangalore	Dr.B.A.Gowri Shankar	32

21. Student profile course-wise:

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Tech. Biotechnology	270	79	190	98	100
M.Tech. Biotechnology	81	36	45	100	100

22. Diversity of Students

Name of the Course (refer question no. 2)	% of students from the college	% of students from the state	% of students from other States	% of students from other countries
B.Tech. Biotechnology	NA	95	5	0
M.Tech. Biotechnology	10	75	15	0

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

No	Year	GATE/GRE/TOEFL/IELTS		No. of Students
		GATE	GRE/ TOEFL/ IELTS	
1.	2013-14	1	5	6
2.	2012-13	3	-	3
3.	2011-12	1	1	2
4.	2010-11	5	1	6
5.	2009-10	1	8	9

24. Student progression

Student progression	Percentage against enrolled
UG to PG	58
PG to M.Phil	Nil
PG to Ph.D	Nil
Ph.D to Post Doctoral research	Nil
Employed	
• Campus selection	95.74
• Other than campus recruitment	0.05
Entrepreneurs	Nil

25. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	40
from other universities within the State	38
from other universities from other State	22

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

Ph.D. - 2

S.No.	Faculty Name	Year of Award
1	Dr.R.Ravikumar	2013
2	Dr.V.Sudarshana Deepa	2013

27. Present details about infrastructural facilities

- a) Dept. Library : 01
Books : 621
International Journals : 10
National Journals : 19
E-journal : 6000+ E-journals are subscribed as
per AICTE recommendations
- b) Internet facilities for staff and students : Staff: 15 Student:100
(100 Mbps) connectivity
- c) Total number of classrooms : 06 (UG: 4 PG: 2)
- d) Classrooms with ICT facility : 06
- e) Students' laboratories : 07
- f) Research laboratories : 02

28. Number of students of the department getting financial assistance from College: 19

Scholarships by the Management during the year 2008-2014:

- Admission Scholarships (merit) : 7
- Friends of Friendless : 12
- Number of Students benefited : 19
- Total Amount : **Rs. 2.84 Lakhs**

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

Yes, adopting the following methods:

- a. Referring to IITs, NITs, Mc Gill University, Canada, Korea Research Institute of Bioscience and Biotechnology, South Korea etc. to ensure that the curriculum and syllabi meet the industry / research organization requirements
- b. After interactions and collection of comments, feedbacks from experts from industry / research organization, people of academia, alumni, students, members of faculty and materials collected from technical universities - both national and international, the curriculum and syllabi are framed and presented to BOS. The BOS after considerations and modification forwards to the Academic Council which approves with or without modification for implementation.

30. Does the department obtain feedback from

- a. **Faculty on curriculum** as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes, feedback from faculty is obtained on curriculum and modified, if necessary, after due discussion in the Board of Studies Meeting. Feedback on teaching learning process is discussed in Department meetings and then suitable remedial actions are taken, if necessary.

- b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Feedback on Staff: An online feedback is obtained thrice in a semester as per ISO format and maintained. The feedback is also incorporated in updating the 7 points performance indicator for faculty evaluation.

The feedback is analyzed by the Department and corrective actions are taken, if needed.

Feedback on Curriculum: Considered at the departmental meeting and the suggestions are placed with the feedback before the Board of Studies for discussion. The BoS forwards this to academic council for approval with all necessary modification.

Feedback on Teaching Learning Evaluation: Academic Resource Council of Institute obtains feedbacks from students on teaching - learning process and feedback details are sent to HOD's for necessary actions.

- c. Alumni and employers on the programmes and what is the response of the department to the same?

Feedbacks on programme are obtained from alumni, employers and personnel from industries. Their suggestions are included in the agenda of BoS for consideration.

31. List the distinguished alumni of the department (maximum 10)

- **Ms. Shalinikurapati (2003 - 2007)**, Research Scientist, (Microbiology UKAS laboratory supervisor), Leatherhead Food Research, Randall's road, Leatherhead, Surrey
- **Mr. Purusothaman Dhanraj (2004 - 2008)**, Strategic Insights Manager, Roche headquarters, Switzerland, Sperrstrasse, Basel, 4057, Switzerland
- **Mr. Karthikeyan magudeshwaran (2005 - 2009)**, Executive- Production, Plant of Human Insulin (r-DNA), Biocon Ltd., Bangalore
- **Mr. N. Anantharaman (2005 -2009)**, Agricultural Officer, Corporation Bank, Vellore

- **Ms. J. Swetha**, (2005 – 2009), IP Consultant Scope e-Knowledge Centre, Chennai
- **Mr. Ganeshkumar Arumugam**, (2006- 2010), PhD Student at Albert Ludwig's University of Freiburg, Germany, Freiburg im Breisgau, Baden-Württemberg, Germany
- **Ms. Maha Lakshmi (2007 – 2011)**, Assistant Manager, Corporate Research Laboratory, 3 M India Limited, Plot No. 48 - 51, Electronics City, Hosur Road, Bangalore
- **Ms. Brinda Vagadia (2008- 2012)**, MS Student at McGill University, Montreal, Canada
- **Mr. K. Senthilguru (2008- 20012)** (B.Tech) & (2009 – 2011) (M.Tech), Ph.D Scholar at National Institute of Technology, Rourkela
- **Ms. Gaanappriya Mohan (2011 – 2013)**, Scientist - Applied Life Sciences Division, Skin and Hair Biology Division, Department of Applied Life Sciences, CavinKare Research Centre, Chennai
- **Mr. Hemanth Surendran (2011 - 2013)**, Assistant Business Development Manager- Clinical Research Metropolis Healthcare Ltd., Basement, M. S. Ramaiah Memorial Hospital, MSRIT Post., New Bel Road, Bangalore

32. Give details of student enrichment programme (special lectures/ workshops / seminar) with external experts.

- Special lectures : 75
- Workshops : 1
- Seminar : 7

33. List the teaching methods adopted by the faculty for different Programmes:

Both B.Tech. & M.Tech. Programme,

- i) Layer learning / Learning by doing
- ii) Creative Learning Methodology- Scientific Learning Skills (CLM-SLS)
- iii) Development of analytical thinking through project work
- iv) Seminar and Paper presentation

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- a. Feedback obtained from alumni and employers
- b. Performance indicators of students and faculty are defined and reviewed constantly after each periodical test. After review the remedial actions are taken.

- c. As per ISO 9000 Quality Management System, periodic auditing by internal and external auditors is done twice a year. The report is considered by the Department and suitable action is taken to set right the deficiencies.

35. Highlight the participation of students and faculty in extension activities.

Students and Faculty

- a. The students participate in NSS activities and NCC camps and organize socially relevant activities such as construction of toilets, maintaining cleanliness in adopted villages.
- b. Women entrepreneurship and skill enhancement.
- c. Conduct various social awareness programs.
- d. Conducting outreach events such as awareness on entrepreneurship to tribal people, visit to orphanage homes and awareness camps for illiterate women.
- e. Participation of faculty in Training of Rural women from Sathyamangalam Taluk in Biocomposting and Vermicomposting.

36. Give details of “beyond syllabus scholarly activities” of the department.

- One credit course
- Self-study electives
- Leader of the week
- Guest lectures
- National Level Students Technical Symposium and Project Design contest
- Participation and presentation of papers in students seminar
- Publication of bulletin (BIONEWS)-twice a year
- Publication of reports on mini projects of student’s annual magazine NECTAR

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.

Yes. Accredited by NBA, New Delhi for 5 years w.e.f. 13.12.2011

(File No.33-30/2010/NBA; dated: 14.12.2011)

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

Strengths	Weakness	Opportunities	Challenges
<ul style="list-style-type: none"> • Technology Business Incubator • Project funding • Publications • Industry Oriented Curriculum & Syllabi • Specialized research laboratory facilities 	<ul style="list-style-type: none"> • Translational research • Society linked projects • Low collaboration with foreign universities and research institutions 	<ul style="list-style-type: none"> • Biotech Industry-Institute Interaction (BIII) • Leader of The Week - Programme • L-RAMP-My Idea Competition • FUTURA, E-cell • Internship (National /International), Industrial visits 	<ul style="list-style-type: none"> • 100% Placement • High Research grant • Consultancy • Patents filing • Collaborative academic programme with foreign universities

39. Future Plans of the Department

- Establishment of a 'Centre for Excellence' in 'Biomolecules and their applications for human welfare'.
- Establishment of a Biovillage in/around Sathyamangalam.
- Establish interdisciplinary research centre /park to create a meeting ground for the faculty and the entrepreneurs. Considering the availability of qualified faculty conducting sponsored research, well equipped laboratories and an incubation centre, this research park will provide all necessary inputs for entrepreneurs and help bridge the gap between Industry and Institution.
- Introduction and development of visualization techniques for STEM (Science Technology Engineering Mathematics) subjects.

Annexure – A

DETAILS OF FACULTY PUBLICATIONS

Sl. No	Author(s) Name	Article Title	Journal Details with Doi	National/ International
ACADEMIC YEAR: 2014-2015				
1.	Arunava Das Santanu Sasidharan Thejus Achuthan and M.E.Sindhuja	Isolation, characterization and estimation of antimicrobial activity of novel bacteriocin from <i>Lactobacillus plantarum</i>	International Journal of Current Microbiology Applied Sciences, 3(5), 227-232, 2014	International
2.	J. Kumar S.Tamilselvi and K.P. Kannan	Invitro and insilico analysis of potential antioxidant from <i>Berberisaristata</i> and its substitutes	International Journal of Pharma and Biosciences, 5(3), 289-297, 2014	International
3.	V. Dhanapal and K. Subramanian	Recycling of reactive dye using semi-interpenetrating polymer network from sodium alginate and isopropyl acrylamide	Journal of Applied Polymer sciences, 1(5), 2014, DOI: 10.1002/APP.40968.	International
4.	N. Suresh and Arunava Das	Purification and characterization of phosphatases from <i>Aspergillusfumigatus</i> for applications in industrial uses.	Rasayan Journal of Chemistry. 7(2), 118-128, 2014	International
5.	N. Suresh and Arunava Das	Homology modelling and phylogenetic analysis of alkaline phosphatase, acid phosphatase and phytase genes from <i>Aspergillusfumigatus</i> .	Rasayan Journal of Chemistry. 7(2), 118-128, 2014	International
6.	V. Dhanapal and K. Subramanian	Modified chitosan for the collection of reactive blue 4, arsenic and mercury from aqueous media	Carbohydrate polymers, 117: 123-132, 2014 DOI:10.1016/j.carbpol.2014.09.027	International
7.	N. Suresh and Arunava Das	In silico homology sequence analysis of phosphatase genes cloned from <i>Aspergillusfumigatus</i>	International Journal of Pharma and Biosciences, 6(1): B 553-566, 2014	International

8.	Arunava Das Santanu Sasidharan, Thejus Achuthan, and M.E.Sindhuja	Isolation, characterization and estimation of antimicrobial activity of novel bacteriocin from <i>Lactobacillus casei</i> .	World Journal of Pharmaceutical Research. Vol. 3 No. 5, pp. 1272- 1278, 2014	International
9.	K.P.Kannan, D. Madhankumar, P. R. Ramya, S. Madhunika, G. Meenatchi, A. N. Sowmya, S. Bhuvaneswari	Diversity of Endophytic Fungi from Salt Tolerant Plants	International Journal of ChemTech Research, Vol.6, No.9, PP-4084- 4088,(Sep-2014)	International
10.	Balakrishnaraja R, P Ramalingam, M Sankar and L Vijayakumar	Molecular Identification of Novel Yeast Isolate Associated with Xylitol Production and Its Physicochemical Parameters Optimization	Journal of Pure and Applied Microbiology, Volume 8 No. 4 Page No. 3037- 3042	International
11.	Balakrishnaraja R, P. Ramalingam and K. Selvapriya	Molecular identification and factorial Optimization of microbial isolates for polyol Production	Rasayan Journal of Chemistry, 7(3):241 - 245 (2014)	International
12.	Balakrishnaraja R., P. Ramalingam and L Vijayakumar	Investigation on Candida Parapsilosis strain BKR1 for the Production of Xylose reductase enzyme and its Kinetic Parameter Appraisal	International Journal of ChemTech Research, 6(11):4803-4806, (2014)	International
13.	Santanu Sasidharan and R Balakrishnaraja	"Comparison Studies on the Synthesis of Selenium Nanoparticles by Various Micro- organisms"	International Journal of Pure and applied Bioscience, Vol 2; Issue 1 (February 2014)	International
14.	M Kirupa Sankar, K Muthu Kumar and BV Ranganathan	Adsorption of anionic azo dye from aqueous solution using <i>Strychnos potatorum</i> Linn seeds: isotherm and kinetic studies	International Journal of Environmental Science and Technology DOI: 10.1007/s13762- 014-0668-y	International

15.	S. Tamilselvi, S. Padma Venkata subramanian K. P Kannan, and N. S. Vasanthi	Studies on Estimation of Berberine and Antimicrobial Activity of Different Extracts of <i>Berberisaristata</i> DC	Asian Journal of Microbiology, Biotechnology and Environmental Science, 16(3):1- 4, (2014)	National
16.	S. Tamilselvi and K. P. Kannan	Atomic Absorption Spectroscopy for Quantitative Evaluation of Heavy Metals and Trace Elements in Daruharidra: A rapid and Comprehensive restoration Scheme for quality Assurance of Herbal Plants from Market Place	International Journal of Pharma and Biosciences, 5(4), 825-829, (2014)	International
17.	Tamilselvi. S, Padma Venkatasubramanian and Vasanthi N. S	Physico Chemical Characterization and Anti-Inflammatory Activity of Stem Extracts of <i>Berberisaristata</i> DC and <i>Cosiniumfenestratum</i> Linn in Carrageenan Induced Wistar Rats'	Pharmacognosy Journal, 6(4), 72- 77 (2014)	National
18.	Tamilselvi S Padma Venkata subramanian, Vasanthi N S and Manonmani E	Antimicrobial potential of Daruharidra (<i>Berberisaristata</i> DC) against the pathogens causing eye infection	International Journal of Green Pharmacy, 8(3), 153-157 (2014)	International
ACADEMIC YEAR: 2013-2014				
1.	R. Ravikumar, Santanu Sasidharan, Thejus Achuthan,	Desorption Studies of Cr (III) on Non-Living Biomass of Water Hyacinth and Chrome recovery	International Journal of Pure and Applied Bioscience.2(1):1 28-132, (2014)	International
2.	S. Tamilselvi, S. P. Balasubramani Padma Venkata Subramanian and N. S. Vasanthi	A Review on Pharmacognosy and pharmacology of the herbals traded as "Daruharidra"	International Journal of Pharma and Biosciences, 5(1): 556-570, (2014)	International
3.	R. Ravikumar	Effect of transport phenomena of <i>Cladosporiumcladospo</i>	International Journal of Environmental	

		rioideson decolorization and chemical oxygen demand of distillery spent wash	Science and Technology. 1(1): 1-10, (2014)	International
4.	G. S. Murugesan, J. Tharani, I. Vivek and P. Jeyavel Karthick	Bioprocess optimization and evaluation of probiotics efficacy on growth performance of Broilers and Country Chicks	International Journal of Current Microbiology Applied Sciences, 3(2): 575-583, (2014)	International
5.	V. Dhanapal and K. Subramanian	Recycling of textile dye using double network polymer from sodium alginate and superabsorbent polymer	Carbohydrate Polymers, 108: 65-74, (2014)	International
6.	V. Vijayakumar and K. Subramanian	Diisocyanate mediated polyether modified gelatin drug carrier for controlled release	Saudi Pharmaceutical Journal, 22: 43-51, (2014)	International
7.	K. Subramanian, S. Indumathi and V. Vijayakumar	Fabrication and evaluation of chitosan-gelatin composite film as a drug carrier for In Vitro transdermal delivery	International Journal of Pharmaceutical Sciences and Research. 5(2): 438-447, (2014)	International
8.	N. Suresh and Arunava Das	Molecular cloning of alkaline phosphatase, acid phosphatase and phytase genes from <i>Aspergillus fumigatus</i> for applications in biotechnological industries	Journal of Pharmaceutical Sciences and Research. 6(1), 2014, pp. 5-10	International
9.	Nagarajan Anusuya, Rajkumar Gomathi, Jayaprakash Tharani, and G.S. Murugesan	Impact of Polyphenols from Banana Pseudostem on Sunflower Oil	Food Science and Biotechnology, 2013, 22(3): 773 - 780	International
10.	N. Suresh, Arunava Das and N. S. Vasanthi	Isolation and characterization of acid phosphatase, alkaline phosphatase and phytase from <i>Aspergillus fumigatus</i> for uses in industrial application	Rasayan Journal of Chemistry. Vol. 6 No. 4, 2013, pp. 292-299.	International

11.	Arunava Das, S. Hemanth, Ashish Rathore, R. Arvind Balakrishnan, M. Karthikeyan and C.R. Santhosh	Molecular typing of <i>Clostridium perfringens</i> from diarrhoeic cattle in Tamil Nadu.	International Journal of Current Research, 5(6): 1644-1647. (2013)	International
12.	Arunava Das, Ashish Rathore, C. Janani, S. Hemanth and R. Arvind Balakrishnan	Diagnosis of motile <i>Aeromonas sobria</i> from cat fish with septicemia by PCR.	IOSR Journal of Agriculture and Veterinary Science, 2(6):87- 91. (2013). doi: 10.9790/2380- 0268791	International
13.	Arunava Das, M. E. Sindhuja, Ashish Rathore, M. Karthikeyan, C. R. Santhosh and G. S. Murugesan	Diagnosis of virulent strains of motile <i>Aeromonas</i> from commercial food.	International Journal of Current Microbiology Applied Sciences, 2(11): 300-306. (2013)	International
14.	V. Sudarshana Deepa, K. Rajaram and P. Sureshkumar	In vitro and in vivo antidiabetic effect of <i>Andrographis lineata</i> Wall Ex. Nees and <i>Andrographis serpyllifolia</i> Wt. Ic leaf extracts	African Journal of Pharmacy and Pharmacology, 7(29):2112-2121, 2013.	International
15.	V. Sudarshana Deepa, P. Suresh Kumar, B. Vadivukarasi and Florida Tilton	Molecular docking studies on selected phytocompounds from different <i>Andrographis</i> sp against PPAR- γ and C/EBP- α receptors for Type-2- diabetes.	Asian Journal of Clinical and Pharmaceutical Sciences, 7(29): 2112-2121, 2013	National
16.	Malarmathi Kavindapadi Balasubramaniam and R. Ravikumar	Implementation of White rot fungal Pretreated Rice straw for Sustainable Bioethanol Production by <i>Saccharomyces</i> <i>cerevisiae</i>	International Journal of Engineering Research and Technology, 2(11):4047-4053. (2013)	International
17.	P. Janani, J. Sudharsana and R. Ravikumar	Performance of Aqueous Two Phase System for the Extraction of Lipase from Rice Bran	Research Journal of Pharm., Biological & Chemical Sciences, 4(3), 28- 34, (2013)	International

18.	Chitra Devi T, Ravikumar R, Kavitha N and Sudarshana Deepa V	Impact of agitation for the color removal from dye effluent using isolated fungal species	Journal of Env. Research & Development, 7(4):1559-1563, (2013)	International
19.	T. Chitra Devi, K. Prasanth, P. Sathya Prabha and R. Ravi kumar	Enhancement of biogas production using agricultural and aquatic wastes in small scale reactor	Journal of Innovative Research and Solutions, 1(2): 21-25, (2013)	International
20.	V. Sindhu, S. Girija, J. Revathi, R. Govinda Raj and R. Ravikumar	Optimization studies on ethanol production with rice straw as low cost substrate in Rotating Horizontal Biological Reactor	Journal of Innovative Research and Solutions, 1(2):80-84, (2013)	International
21.	R Agalya Devi, Rahul Kumar and K Balakrishnan	Stimulation of extracellular phytase production from <i>Bacillus subtilis</i> by powdered rice bran in slurry fermentation	Asian Journal of Microbiology, Biotech. & Env. Sciences.15(4): 69-75, (2013)	International
22.	K Balakrishnan, Rahul Kumar, R Agalya Devi, S. Jayasri and B. Nisha Balu	Utilization of fortified rice husk for the fermentative production of xylanase by <i>Trichoderma</i> sp.	International Journal of Current Mic. & App. Sci. 2(9): 174-187. (2013)	International
23.	K Balakrishnan, R Agalya Devi, Aishwarya Nair, Rahul Kumar and N K Babu	Ethanol fermentation of Cassava waste by the locally isolated yeast strain from Sugarcane pressmud	Biotechnology Review and Letters. 1(1): 8-12. (2013)	International
24.	Rahul Kumar R, Agalya Devi, Aishwarya Nair and K Balakrishnan	Stimulatory effect of acid hydrolysed okara fortified with L-Asparagine on fungal L-Asparaginase production by <i>Aspergillus terreus</i> MTCC 1782	Research Journal of Pharmaceutical, Biological and Chemical Sciences. 4 (2):1458-1468. (2013)	International
25.	Aishwarya Nair, Rahul Kumar R, Agalya Devi, and K Balakrishnan	Screening of commonly available solid process residues as substrate for L- asparaginase production by <i>Aspergillus terreus</i> MTCC 1782	Research Journal of Pharmaceutical, Biological and Chemical Sciences. 4 (2): 1731- 1737. (2013)	International

26.	K Balakrishnan, Aiswarya Nair and Rahul Kumar	Screening of Microbial Isolates for the Fermentative Production of L- Asparaginase in Submerged Fermentation	Research and Reviews: Journal of Pharmacy and Pharmaceutical Sciences. 2 (3): 95-100. (2013)	International
27.	Balakrishnan K, Tamma R, R Gudapaty	Alcohol production potential of locally isolated yeast strain from toddy sap by using cassava waste	Research Journal of Pharmaceutical Biological and Chemical Sciences. 4(1):405-411 (2013)	International
ACADEMIC YEAR: 2012 – 2013				
1.	K. Subramanian and V. Vijayakumar	Evaluation of isophorondiisocyanate crosslinked gelatin as a carrier for controlled delivery of drugs	Polymer Bulletin, 70: 733- 753, (2012)	International
2.	Arunava Das Vinayasree, C. R. Santhosh and S. SreeHari	Surveillance of <i>Aeromonas sobria</i> and <i>Aeromonas hydrophila</i> from commercial food stuffs and environmental sources	Journal of Experimental Sciences, 3(9): 36- 42. (2012)	International
3.	Arunava Das, S. SreeHari, U. Shalini, A. Ganeshkumar and M. Karthikeyan	Molecular screening of virulence genes from <i>Salmonella</i> <i>enterica</i> isolated from commercial food stuffs	Biosciences Biotechnology Research Asia 9(1):363-369, (2012)	International
4.	Arunava Das and Adarsh Jain	<i>Clostridium perfringens</i> type A from fresh water fishes	International Journal of Advanced Biotechnology and Research 3(3):680-687, (2012)	International
5.	Arunava Das and Adarsh Jain	Genotyping of <i>Clostridium perfringens</i> from fresh water fish and fish pickles	Journal of Microbiology, Biotechnology and Food Sciences 2(1):162- 174, (2012).	International

6.	Arunava Das, S. SreeHari, U. Shalini, A. Ganeshkumar and M. Karthikeyan	Molecular characterisation of <i>Salmonella enterica</i> serovarTyphi isolated from typhoidial humans	Malaysian Journal of Microbiology 8(3):148-155, (2012).	International
7.	Balakrishnaraja R, P Sathishkumar, J Ragupathy, R Boopathy, S Sreehari and N S Vasanthi	Characterization of Algal Oil from <i>Chlorella</i> <i>sp.</i> And its growth optimisation using co- solvent systems	Indian Journal of Science 1(2): 127-129 (2012)	National
8.	Rajarathinam Ravikumar, Budhi Venkatesan Ranganathan, Kanchana Nandan Chathoth and Sriramulu Gobikrishnan	Innovative and intensified technology for the biological pretreatment of agro waste for ethanol production	Korean Journal of Chemical Engineering 30(2): (1-7), (2013) DOI: 10.1007/s11814- 012-0215-9	International
9.	Rahul Kumar and K Balakrishnan	Stimulation of extra cellular invertase production from spent yeast when sugarcane pressmud used as substrate through solid state fermentation.	Springer plus 1(81): 2-6. (2012). doi:10.1186/2193 -1801-1-81	International
10.	Rahul Kumar and K Balakrishnan	Detection and characterization of invertase in sugarcane pressmud and residual spent yeast	Advanced Biotech 12(5):16- 20. (2012)	International
11.	R. Ravikumar, N. S. Vasanthi, and K. Saravanan	Biodegradation and Decolorization of Distillery Spent Wash with Product Release by a Novel Strain <i>Cladosporiumcladosporioi</i> <i>des</i> : Optimization and Biokinetics	Chemical and Biochemical Engineering Quarterly, 27(3): 373-383, 2013	International
12.	Ravikumar R, Renuka K, Sindhu V, and Malarmathi K.B,	Response surface meth- odology and artificial neural network for modeling and optim- ization of distillery spent wash treatment using <i>P.valderianum</i> BDU 140441	Pollish Journal of Environmental Studies 22,4 (20- 28),2013 .	International

13.	Ravikumar R, Sridhar A, Preethi S, Gopalakrishnan Rasika and Vasanthi N.S	Effective utilization of yeast sludge in decolourization of melanoidin pigment modelling, biokinetic and thermodynamic studies	Journal of Environmental Research and Dev elopment 7 (3)15- 23, 2013.	International
14.	Chitra Devi T, Manonmani E and R.Ravikumar	Isolation And Purification Of Proteins From Cow And Buffalo Milk	Internnatioanl Journal of Engineering Research and Applications 6(1), 45-55, 2013.	International
15.	V. Dhanapal, V. Vijayakumar and K. Subramanian	Synthesis and Evaluation of TrimethylolpropaneTri acrylatecrosslinked Superabsorbent Polymers for Conserving Water and Fertilizers	Journal of AppliedPolymer Science, 129 (3): 1350-1361, 2013, DOI: 10.1002/APP.388 26	International
16.	Mohan Gaanappriya and L. Vijayakumar	Extraction of Xylan Degrading Enzyme from Soil Isolates for its Application as Biobleaching Agent in Paper Pulp Processing	Indian Streams Research Journal, 2: 1- 8. (2013)	National
17.	Y. Sai Gopalakrishna, S. Sree Hari, J. Ragupathy, M. Senthamarai, N. S. Vasanthi and K. P. Kannan	Determination of the level of aflatoxin present in the marketed spices	World Journal of Science and Technology. 2(12): 31-34, (2012)	International
18.	K. P. Kannan and J. P. Muthumary	Comparative analysis of endophytic mycobiota in different tissues of medicinal plants	African Journal of Biotech. Research. 6(20): 4219 - 4225, (2012).	International
ACADEMIC YEAR: 2011 - 2012				
1	V. Sindhu, C. N. Kanchana, N. S. Vasanthi and R. Ravikumar	Design and development of novel bioreactor for the production of ethanol from low cost pretreated rice straw	IOSR Journal of Engineering 2(6):1424-1428, (2012)	International
2	Ravikumar R and Saravanan K	Investigation on Biodecolorization and	International Journal of	International

		Molecular Fractionation of Melanoidin Pigment using <i>Cladosporiumcladosporioides</i>	ResearchinChemistryandEnvironment, 2(4)64-68, 2012.	
3	Gaanappriya Mohan, Logambal K, and Ravikumar R	Investigation On The Removal Of Direct Red Dye Using <i>Aspergillus Niger</i> And <i>AspergillusFlavus</i> Under Static And Shaking Conditions With Modeling	International Journal of Science, Environmentand Technology, 1(3)144 - 153, 2012.	International
4	Cecy Francis Alappat, K. P. Kannan and N. S. Vasanthi	Biosynthesis of Au nanoparticles using the endophytic fungi isolated from <i>Bahunia variegata</i> L	IRACST-Engineering Sci. & Tech. 2(3):377-380, (2012)	International
5	R. HariKumar, N. S. Vasanthi and M. Balasubramani	Performance analysis of artificial neural networks and statistical methods in classification of oral and breast cancer stages	International Journal of Soft Computing and Engineering 2(3):263-269, (2012)	International
6	Y. Mazumder, Arunava Das, D. Kar, B. R. Shome, B. K. Dutta and H. Rahman	Isolation of <i>BordetellaBronchiseptica</i> from pigs in North East India	Journal of Animal Science Advances. 2(4): 396-406, (2012).	International
7	Neerupudi Kishore Babu, Botcha Satyanarayana Kesavapillai, Balakrishnan T, Tamanam Raghava Rao, and G S Rao	Study of sugarcane pieces as yeast supports for ethanol production from sugarcane juice and molasses using newly isolated yeast from toddy sap	Mycobiology. 40(1): 35-41, (2012)	National
8	Arunava Das, Y. Mazumder, B. K. Dutta, K. M. Bujarbaruah, and R. Kumar.	Molecular typing of <i>Clostridium perfringens</i> isolated from diarrhoeic cattle	Journal of Animal Science Advances. 2(2): 226-229, (2012)	International
9	A. Amirita, P. Sindhu, J. Swetha, N. S. Vasanthi and K. P. Kannan.	Enumeration of endophytic fungi from medicinal plants and screening of extracellular enzymes	World Journal of Science and Technology. 2(2): 13-19, (2012)	International

10	K. Subramanian and V. Vijayakumar	Synthesis and evaluation of chitosan graft-poly(2-hydroxy ethyl methacrylate-co-itaconic acid) as a drug carrier for controlled release of tramadol hydrochloride	Saudi Pharmaceutical Journal, 20(3):263-271, (2012)	International
11	S. Pavithra, D. Saranya, P.Sankar and G. S. Murugesan	Effect of Tulsi (<i>Ocimum sanctum</i>) as a disinfectant for water treatment	Hitek Journal of Biological Science and Bioengineering. 1(1): 1-7, (2012)	International
12	Kannan K.P, U. VidhyaDevi, A. Brinda, Brinda Vagadia, Anupama Nair, R. Boopathi and N. S. Vasanthi	Enumeration of mycoflora of poultry feeds in Namakkal, Tamil Nadu	International Journal of Applied Biology. 2(3): 12-15, (2011)	International
13	Saravanan D., Sivasaravanan S., Sudarshan Prabu M, Vasanthi N. S., Senthilraja K., Arunava Das and Ramachandran T	One step process for desizing and bleaching of cotton fabrics using the combination of amylase and glucose oxidase enzyme	Journal of Applied Polymer Science. 123(4): 2445-2450, (2011)	International
14	K. Balakrishnan	Enhanced ethanol production incorporating process improvement strategies in molasses fermentation	Research Journal of Pharmaceutical Biological and Chemical Sciences. 2(4):655-661, (2011)	International
15	K. Senthilguru, Tanya Susan George, N. S. Vasanthi and K. P. Kannan	Ethanol production from lignocellulosic waste	World Journal of Science & Technology. 1(11):12-16, (2011)	International
16	K. Subramanian and K. Ram	Biochemical conversion of rice straw into bioethanol- An exploratory investigation	Journal of Biofuel. 2(1):33-41, (2011)	National

ACADEMIC YEAR: 2010 – 2011				
1	Kannan K.P, and Muthumary J.	Development of conidiomata in <i>Camarosporium palliatum</i> Kohlmeyer and Kohlmeyer an endophytic Coelomycete	International Journal of Applied Biology. 2(1): 57– 63, (2011)	International
2	K.P. Kannan, D. Madhan kumar, N.K. UdayaPrakash, R. Muthezilan, G. Jamuna, N. Parthasarathy and S. Bhuvaneswari	Fungal endophytes: A preliminary report from marketed flowers	International Journal of Applied Biology. 2(1): 14–18, (2011)	International
3	Tanya S.G, Senthil Guru K.S, Vasanthi, N.S, and Kannan K.P	Extraction, purification and characterization of Chitosan from endophytic fungi isolated from medicinal plants	World Journal of Science and Technology. 1(4): 43-48, (2011)	International
4	Ravikumar R, Vasanthi N.S, and Saravanan K	Single factorial experimental design for decolorizing anaerobically treated spent wash using <i>Cladosporium</i>	International Journal of Environmental Science and Technology. 8(1): 97-106, (2011)	International
5	Subramanian K and V. Vijayakumar	Characterization of crosslinked poly (2-hydroxyethyl methacrylate-co-N-vinyl-2pyrrolidone as a carrier for controlled drug delivery	Journal of Pharmacy Research. 4(3): 743-747, (2011)	International
6	Shome B.R, Bujarbaruah K.M, Arunava Das, Rahman H, Sharma G.D. and Dutta B.K	Investigation of haemorrhagic enteritis in pygmy hogs (<i>Sussalvanus</i>) from India	Scientific and Technical Review – Int. Office of Epizootics. 29(3): 687-693, (2010)	International
7	Ganeshkumar A., Shalini U., Vaishnavi K., Remya Ismail, Lakshmanswamy A, Vasanthi N. S and Arunava Das	Rapid detection of <i>Salmonella enteric</i> , <i>Serovar Typhi</i> from humans	Journal of Pure and Applied Microbiology. 4(2): 837-841, (2010)	International

8	Lakshmanswamy A., Karthikeyan M., Kiruba Shankari A, C., Nancy Sylviya S. Christina, Vasanthi N. S., and Arunava Das	Virulence determinants of <i>Aeromonashydrophila</i> isolated form <i>Aeromonas</i> <i>septicaemia</i>	Journal of Pure & App. Microbiology. 4(2): 749-753, (2010)	International
9	Subramanian K., Narmatha S., Vishnupriya U and V. Vijayakumar	Release characteristics of Aspirin and Paracetamol drugs from tablets with <i>Aloe Vera</i> gel powder as a drug carrier	Drug Invention Today. 2(9): 424- 428, (2010)	International
10	D Saravanan, N. S. Vasanthi, K. Senthil Raja, Arunava Das and T. Ramachandran	Bleaching of cotton fabrics using hydrogen peroxide produced by glucose oxidase	Indian Journal of Fibre and Textile Research. 35: 281-283, (2010)	National
11	Ravikumar R, Monash P, J.C.D. Chan, and Saravanan K	Microbial decolorization of biomethanate distillery spentwash using <i>Aspergillusnidulans</i>	Asian Journal of Microbiology, Biotech. & Env. Science. 12(2): 337-342, (2010)	International
12	Neelakantan Suresh and Vasanthi N S	Pharmacophore modeling and virtual screening studies to design potential protein tyrosine phosphatase 1B inhibitors as New Leads	Journal of Proteomics and Bioinformatics. 3: 20- 28, (2010) Doi:10.4172/jpb. 1000117.	International
13	Kannan K.P, K. Srilekha, S. Bhuvaneswari, N.S.Vasanthi, T. Saravanan and N. K.UdayaPrakash	Biodiversity of mesophilic and halotolerant Microfungi in waters of mangrove in Pitchavaram, Tamil nadu.	International Journal of Applied Biology.1(1): 41- 26. (2010)	International

Total number of Publications: 92

Evaluative Report of the Department

1. Name of the Department & its year of establishment : Computer Applications
Year of establishment: 2000
2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):
 - M.C.A.
 - Ph.D in Applied Sciences (Computer Applications)
3. Interdisciplinary courses and departments involved : Nil
4. Annual/ semester/choice based credit system:
Semester system with choice based credit system
5. Participation of the department in the courses offered by other departments : Nil
6. Number of teaching posts sanctioned and filled (Professors/ Associate Professors/ Asst. Professors)

Position	Sanctioned	Filled
Professor	02	02
Associate Professor	06	06
Assistant Professor	24	24
Total	32	32

7. Faculty profile with name, qualification, designation, specialization:

Sl. No	Name of the Faculty	Designation	Qualification	Corresponding specialization	No. of Years of Experience (Teaching)	No. of Ph.D. Students guided for last 4 years
1.	Dr. B. Nagarajan	Director	Ph. D.	Pattern Recognition	16	07
2.	Dr. K. Sangeetha	Professor	Ph.D.	Image Processing	14	-
3.	Mr. S. Mahesh Kumar	Associate Professor	M.C.A.	Computer Applications	16	-
4.	Mr.B.Gopalakrishnan*	Associate Professor	M. E.	Computer Science & Engineering	14	-
5.	Dr.M.Gunasekaran	Associate Professor	Ph. D	AdHoc Networks and Security	15	-
6.	Dr.K.Anandakumar	Associate Professor	Ph. D	Data Mining	16	03

Sl. No	Name of the Faculty	Designation	Qualification	Corresponding specialization	No. of Years of Experience (Teaching)	No. of Ph.D. Students guided for last 4 years
7.	Dr.P. Murugesan	Associate Professor	Ph. D.	Networks	14	-
8.	Mr. E. Balamurugan*	Associate Professor	M. Phil	Computer Science	14	-
9.	Mr. P. Sathish Kumar	Assistant Professor	M. Phil.	Computer Science	8	-
10.	Mr. S.Senthilnathan	Assistant Professor	M. Phil.	Computer Science	14	-
11.	Mrs. D. Malathi*	Assistant Professor	M. Phil.	Computer Science	11 Industry:01	-
12.	Mr. T. N. Thangavelu*	Assistant Professor	M. Phil.	Computer Science	8	-
13.	Mr. V. S. Prakash*	Assistant Professor	M. Phil.	Computer Science	11	-
14.	Mr. M. Thiruvavutselvi	Assistant Professor	M.E.	Computer Science and	8	-
15.	Ms. S. Sangeetha	Assistant Professor	M. Phil	Computer Science	8	-
16.	Mrs. M. Kothainayaki	Assistant Professor	M.E.	Computer Science and Engineering	8	-
17.	Mr. Ra. Paarivallal*	Assistant Professor	M. Phil.	Computer Science	16	-
18.	Mrs. S. Jayasudha*	Assistant Professor	M. Phil.	Computer Science	8	-
19.	Mrs. J. Sumathi	Assistant Professor	M.C.A.	Computer Applications	6	-
20.	Ms. S. Amirtham	Assistant Professor	M. Phil.	Computer Science	6	-
21.	Mr. S. S. Rajasekar*	Assistant Professor	M.E.	Computer Science & Engineering	3	-
22.	Mrs. S.Bhuvaneshwari	Assistant Professor	M.Phil.	Computer Science	6	-
23.	Mrs. V. Suganya	Assistant Professor	M.E.	Software Engineering	3	-

Sl. No	Name of the Faculty	Designation	Qualification	Corresponding specialization	No. of Years of Experience (Teaching)	No. of Ph.D. Students guided for last 4 years
24.	Mr. T. Prasanth	Assistant Professor	M.Tech.	Information Technology	2	-
25.	Mr. P. S. Prabhu	Assistant Professor	M.E.	Computer Science and Engineering	2	-
26.	Ms. A. Kanimozhi	Assistant Professor	M.C.A.	Computer Applications	2	-
27.	Mr. P. Ganesh	Assistant Professor	M.C.A.	Computer Applications	2	-
28.	Mr. S. Ramachandran	Assistant Professor	M.E.	Software Engineering	2	-
29.	Mr.P.M. Balasubramaniam	Assistant Professor	M.C.A.	Computer Applications	2	-
30.	Ms. B. Gokila	Assistant Professor	M.C.A.	Computer Applications	2	-
31.	Mr. M.Rajendran	Assistant Professor	M.E.	Computer Science and Engineering	-	-
32.	Mr. K. Parthiban	Assistant Professor	M.E.	Software Engineering	-	-

* denotes pursuing Ph.D

8. Percentage of classes taken by temporary faculty - Programme-wise information:Nil

9. Programme-wise Student Teacher Ratio :

S.No	Programme	Student - Teacher ratio
1.	PG	15:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

S.No	Staff Category	Sanctioned	Filled
1.	Academic Support Staff	02	02
2.	Administrative staff	03	03

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

a) National Funding Agencies :

- Number of Faculty involved : 02
- National Agencies : AICTE, DST

b) International Agencies : Nil

c) Ongoing project - Total Grants Received : Rs. 5.83 Lakhs

Sl. No	Title of the Project/Event	Principal Investigator	Funding Agency	Amount (Rs.in Lakhs)
1	Knowledge Pattern Extraction Using Spatial Data Mining for Entrepreneur	Mr. Ra. Paarivallal	DST - NRDMS New Delhi	5.83

d) Completed project -Total grant received: Rs. 4.60 Lakhs

S.No	Title of the Project/Event	Principal Investigator	Funding Agency	Amount (Rs. in Lakhs)
1	An Analysis on Vehicle Classification using various feature Extraction Methods.	Dr. B. Nagarajan	AICTE- RPS New Delhi	4.60

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.

Total grants received:Rs.15.5 Lakhs

S.No	Project Title	Project Duration	Funding Agency	Amount Received (Lakhs)
1	Modernization of Digital Image Processing Lab	1 Year (March 2013-March 2014)	AICTE MODROB New Delhi	8.75
2	Modernization of Digital Forensics Lab	1 Year (November 2013-November 2014)	AICTE MODROB New Delhi	6.75

13. Research facility / centre with

- State recognition:Research Center approved by Anna University Chennai.

14. Publications:

* Number of papers published in peer reviewed journals:

National :24 & International : 53

- * Number of papers published in conferences:
National :46 & International : 25
- * Impact factor – range / average :Min: 1 ,Max:15, Avg: 7
- * Citation Index– range / average : Min: 1 ,Max:15, Avg: 7
- * SNIP – range / average : Min: 0.03 ,Max:2.04, Avg: 0.75
- * SJR – range / average : Min: 0.071 ,Max:0.073, Avg: 72
- * h-index– range / average : Min: 7 ,Max:24, Avg: 13.5

15. Details of patents and income generated / Filed and income generated: Nil

16. Areas of consultancy and Income generated:

S.No	Nature of Consultancy Work	Revenue Generated	Mutual benefits (Interaction between Industries and Institutes, Knowledge Transfer)
1.	Web based projects - E-Governance	-	Coimbatore Corporation, Coimbatore
2.	E-Auction	-	Coimbatore Corporation, Coimbatore
3.	Inventory management system for rice mill	-	M/s Sivasakthi rice Mill, Kangeyam
4.	Resume Parser	-	M/s Redleaf Technologies, Coimbatore

17. Faculty recharging strategies

- External experts are invited to give lecture on research oriented, industry oriented, society indicated problems and on topics oriented to emerging areas
- Training based on Bloom's Taxonomy way of teaching.
- Faculty members are deputed to undergo industrial training to know about the contemporary practices.
- Faculty members are deputed to participate in FDP conducted by other institution and external agencies.

18. Student projects

- Percentage of students who have done in-house projects including inter-departmental
- Percentage of students doing projects in collaboration with industries/ institutes

S.No	Name of the Program	In house and Interdepartmental	Collaboration with Industries / Institutes
1.	M.C.A.	15%	85%

19. Awards / recognitions received at the national and international level by

Faculty: 02

1. Dr. B. Nagarajan received Shri P. K. Das Memorial Best Faculty Award during 2011, from Nehru Group of Institutions, Coimbatore
2. Dr. B. Nagarajan received Association of Scientists, Developers and Faculties (ASDF), Techno Forum Group awards, Pondicherry forbest Computer Science faculty – 2012.

20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

S. No.	Event	Title	Source of fund	No. of Participants	Duration From – To
1.	Training programme for the Staff Members of Sub Registrar's Office, Gobichettipalayam	Basics of Computers	Self support	25	09.10.2010
2.	Workshop	Web Technology, J2EE and Multimedia	Self support	120	18.03.2011 to 20.03.2011
3.	Workshop	Android	Self support	95	09.09.2011
4.	Workshop	Android	Self support	95	09.09.2011
5.	Workshop by M/s. Payoda Technologies, Coimbatore	Android OS	Self support	105	28.07.2012
6.	Workshop	HTML 5	Self support	150	21.01.2013
7.	Workshop	SPARK'13 TANCET	Self support	350	10.03.2013
8.	National Conference	Issues and Trends in Advanced Computing NITAC 2012	CSIR New Delhi	56	17.03.2012
9.	Workshop by PAYODA Systems, Coimbatore	Cloud Computing	Self support	120	16.03.2013
10.	Workshop	Open source tools for computer forensics	AICTE New Delhi	67	12.07.2013 – 13.07.2013

11.	Faculty Development Programme	FDP on Cyber Forensic and Information Security	AICTE New Delhi	60	17.10.2013 to 30.10.2013
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21. Student profile course-wise:

Name of the Course	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MCA (2010-11)	105	67	38	95.52	97.37
MCA(2011-12)	110	74	36	100	100
MCA(2012-13)	112	71	41	96.92	100

22. Diversity of Students

Name of the Course	% of students from the college	% of students from the state	% of students from other States	% of students from other countries
MCA (2010-11)	5 %	100%	-	-
MCA(2011-12)	5 %	100%	-	-
MCA(2012-13)	24 %	100%	-	-

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? : Nil

24. Student progression (last 5 years)

Students Progression	2009-10	2010-11	2011-12	2012-13
UG to PG	NA	NA	NA	NA
PG to M. Phil.	1%	2%	Nil	Nil
PG to Ph. D	Nil	Nil	Nil	Nil
Ph. D to Post Doctoral	Nil	Nil	Nil	Nil
Employed	45%	47%	58%	25%
• Campus Selection				
• Other than campus recruitment	7%	10%	15%	8%
Entrepreneurs	Nil	Nil	Nil	Nil

25. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	50%
from other universities within the State	50%
from other universities from other States	Nil

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. Ph.D.:05

S.No	Faculty Name	Year of Award (Ph.D)
1.	Mr. B. Nagarajan	2010
2.	Mr. K. Anandakumar	2012
3.	Mrs. K. Sangeetha	2014
4.	Mr. M. Gunasekaran	2014
5.	Mr. P. Murugesan	2014

27. Present details about infrastructural facilities:

- Department Library : 1800 Volumes, 608 Titles, 15 National and 7 International Journal and e-Journals (As per mandatory subscription of e-Journal packages for MCA Course by AICTE)
- Internet facilities for staff and students :
All computers used by faculties and students are connected with high speed internet connections with 100Mbps (shared)
- Total number of classrooms : 11
- Classrooms with ICT facility : 11
- Students' laboratories : 04
- Research laboratories : 02

28. Number of students of the department getting financial assistance from College:

Year	No. of Students getting financial assistance
2010-2011	5
2011-2012	4
2012-2013	9

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology

Yes, to develop a new program, suggestions are obtained from the industry, alumni and experts in industry. These feedbacks are discussed in Board of Studies, forwarded to Standing Committee and approved by Academic Council for the implementation.

30. Does the department obtain feedback from

- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

The process for curriculum design, evaluation and update of the syllabi are standardized. The proposals with proper and sufficient justification are

deliberated in the Board of Studies before accepted for inclusion in the syllabi .Feedback on teaching learning process is discussed in departmental meetings and then suitable remedial actions are taken if necessary.

- b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?
 - o **Feedback on Staff:** Online Student feedback on Faculty is obtained after every periodical test as per the ISO format and discussed in departmental meetings and then suitable remedial actions are taken if necessary.
 - o **Feedback on Curriculum:** Feedback regarding the curriculum is obtained from the students and faculty. The same is presented in BoS meeting and if necessary, changes are made in the syllabi.
 - o **Feedback on teaching learning process:** Feedback is obtained from students on teaching-learning and the feedback details are circulated among the faculty for improvement.
- c. Alumni and employers on the programmes and what is the response of the department to the same?
 - o **Alumni Survey:** The alumni feedback is obtained at the end of graduation and thereafter when alumni visit the institution and online and the suggestions are obtained and included in the agenda of BoS for consideration.
 - o **Employer Survey:** Feedback is received from the employers through emails and responses are included in the agenda for BoS for consideration.

31. List the distinguished alumni of the department

S. No.	Name of Alumni	Designation	Batch	Current Employment
1.	Mr. D. Ashok	Project Associate	2006	M/s. Cognizant Technology Solutions, Coimbatore
2.	Mr. S. Saravanakumar	Project Associate	2006	M/s. Cognizant Technology Solutions, Coimbatore
3.	Mr. E. Ilango	Project Lead	2007	M/s. UST Global , Trivandrum
4.	Mr. N. Senthilnathan	Project Lead	2009	M/s. Accenture, Chennai
5.	Mr. TamaraiSelvan	Team Lead	2011	M/s. Cognizant Technology Solutions, Coimbatore
6.	Mr. K. Ravindar	Team Lead	2011	M/s. Polaris Software Solutions, Chennai
7.	Mr. Vijikumar	Team Lead	2011	M/s. Qualian, Chennai

S. No.	Name of Alumni	Designation	Batch	Current Employment
8.	Mr. P. Ranjith	Program Analyst	2014	M/s. Robert Bosch, Coimbatore
9.	Mr. V. Nishanthini	Program Analyst	MCA 2014	M/s. Cognizant Technology Solutions, Coimbatore

- 32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts :**

Year	No. of Students enrichment programme with external experts
2010-2011	16
2011-2012	23
2012-2013	21

- 33. List the teaching methods adopted by the faculty for different programmes.**

- Layer – learning / Learning by doing
- Creative Learning Method with Scientific Learning Skill
- Blackboard and Multimedia in each class room.
- Conducting tutorials for analytical subjects.
- Final year projects are industry oriented and the students spend about six months in the industries.
- Interactive sessions with invited resource persons (Leader of the week/Guest Lectures).
- Workshops for better understanding of the practices

- 34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

- a) Two periodical and one model examinations are conducted prior to the end semester examinations to continuously monitor the learning depth of the students.
- b) Mini project, participation in seminar and presentation of papers are made mandatory to check and analyze the learning outcome.
- c) Mock interview and group discussions are organized to the pre-final year and final year students to measure their performance.
- d) Performance indicators of students and faculty are defined and reviewed constantly after each periodical test. After review the remedial action is taken.
- e) As per ISO 9000 periodic auditing, done by internal and external audit teams twice a year is considered by the department and suitable action is taken to set right any deficiencies.

35. Highlight the participation of students and faculty in extension activities.

Students

- Students participate in Industry Defined Problems.
- Students update their knowledge on latest technologies by attending workshops.
- Faculty members are doing consultancy services and research on social issues like entrepreneur development and security.
- Conducted workshop on basics of computers for staffs of Registrar Office and Police Department.

36. Give details of “beyond syllabus scholarly activities” of the department.

Scholarly activities are undertaken, beyond the syllabi, to inculcate research and industry orientation by the students with the help of faculty members. Some of the initiatives are

- One Credit Courses
- Self-study Electives
- Value Added Courses
- Technical Seminars
- Workshops and Expert’s Lectures
- Internships
- Industrial Visits
- Preparation of Displays on New Technology / Products
- Entrepreneurship Development Programme
- Solving Industry Defined Problems
- Students’ Association for Co-curricular Activities

37. State whether the programme/ department is accredited/ graded by other agencies. Give details: Nil

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strengths	Weakness	Opportunities	Challenges
<ul style="list-style-type: none"> • Research & Development to a tune of 38 Lakhs. • Centre of Excellence – Digital Forensics Laboratory • Experts' availability in the field of Digital Image Processing to carry out research work. • Excellence in students team work. 	<ul style="list-style-type: none"> • Research oriented software to be upgraded • Less number of students are opting for MCA course 	<ul style="list-style-type: none"> • Small and Medium Scale Industry Linkage • Students are encouraged to do hardware oriented projects during FUTURA. • Industry driven one credit course are offered to students. • Aptitude Training and Soft Skill Training are given to the students during holidays. 	<ul style="list-style-type: none"> • M.C.A programme is being run by Arts and Science colleges • Lateral entry system with 2 years of duration is introduced in the MCA programme

39. Future plans of the department.

- Planning for Establishment of Wireless Networks Laboratory.
- To establish “Interdisciplinary Research Centre/Park” in partnership preferably with alumni entrepreneurs providing meetings ground for Faculty, Students and Industrialists to interact for innovation, creativity, technology generation and product process development.
- Introduction and development of visualization techniques in STEM (Science, Technology, Engineering and Mathematics) subjects to improve effectiveness in Teaching-Learning process. It will be useful for bridging the gap between knowledge and application.

Evaluative Report of the Department

1. Name of the Department & Year of establishment: **School of Management Studies, Year of establishment: 2008**
2. Names of Programmes / Courses offered :

PG : **MBA**

Research : **Ph.D.**
3. Interdisciplinary/ co-disciplinary courses and departments : 1

S No	Course Offered	Name of the Department involved
1	Statistics for Management	Mathematics

4. Annual/ semester/choice based credit system :
Semester system with choice based credit system.
5. Participation of the department in the courses offered by other departments:

Name of the Department	Course
All Engineering Department	Engineering Economics
Textile Technology	Entrepreneurship Development

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

Cadre	Sanctioned	Filled
Professor Emeritus	0	1
Professors	1	2
Associate Professors	2	0
Asst. Professors	5	7
Total	8	10

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

S.No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD students guided for the last 4 years
1.	Mr.K.S. Vijayaraghavan	M.B.A.	Professor Emeritus	Finance Management and Project Management	54	Nil
2.	Dr.P.Rajkumar	Ph.D.	Professor	Operations and System	35	7
3.	Dr. S. Murugappan	Ph.D.	Professor	Finance & Marketing	22	4
4.	Mr. R. Balakrishnan *	M.B.A.	Assistant Professor (Selection Grade)	Marketing & Operations	22	Nil
5.	Dr. G. Natarajan	Ph.D.	Assistant Professor (Selection Grade)	Spiritual Intelligence & Marketing	9	Nil
6.	Mr. D. David Winster Praveenraj *	M.B.A.	Asst Prof (Sr Gr)	Marketing	9	Nil
7.	Mr. A. Rajesh *	M.B.A.	Assistant Professor	Marketing and Systems	6	Nil
8.	Mr. L.Karthikeyan	M.B.A.	Assistant Professor	systems and Finance	4.5	Nil
9.	Dr.R.Ravikumar	Ph.D.	Assistant Professor	Finance and HRD	0.5	Nil
10.	Ms.C.Aarthy	M.B.A.	Assistant Professor	International Business	0.5	Nil

* Pursuing Ph.D.

8. Percentage of classes taken by temporary faculty – programme-wise information: Nil

9. Programme-wise Student Teacher Ratio:

Sl.No	Programme	Student-Teacher Ratio
1	MBA	12:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled

Sl.No	Staff category	Sanctioned	Filled
1	Academic support staff (technical)	1	1
2	Administrative staff	2	2

11. Number of faculty with ongoing projects from national funding agencies : Nil

12. Departmental projects funded by DST – FIST; DBT, ICSSR, etc. : Nil

13. Research facility / centre with

- State recognition:

1. Research Centre approved by Anna University, Chennai for Doctoral Programme in Management Science
2. The department has been recognized as Skill Training Center by DIET-(District Institute of Educational and Training, Government of Tamilnadu).

14. Publications:

- Number of papers published in peer reviewed journals:
 - National : 7
 - International : 31
- Monographs : 8
- SJR : 0.23
- Impact factor – range
 - Minimum : 0.165
 - Average : 0.375
 - Maximum : 0.675
- H index : 5

15. Details of patents filed and income generated : Nil

16. Areas of consultancy and income generated

Areas of consultancy	Income generated for 3 years (2011-2014) in Rs. In Lakhs
Finance Management	1.20
Market Analysis	7.25
Project Management	0.50
Human Resource Management	22.10
Total for 3 years	31.05

17. Faculty recharging strategies

- i. Deputation of faculty members to attend conferences , seminars, and Winter/Summer schools
- ii. Attending Faculty Development Programmes sponsored by AICTE, AIMA, ISTE and In-house Faculty Development Programme (minimum 3 per year)
- iii. External experts are invited to deliver lectures on emerging trends in the areas of HRD, Finance and Marketing management.

18. Student projects

- Percentage of students doing projects in collaboration with industries/institutes

Sl. No	Name of the Program	In house and interdepartmental	Collaboration with industries/Institutes
1	MBA	0 %	100 %

19. Awards / recognitions received at the national and international level by

- Faculty
 1. Dr. J. Ashok, Professor, School of Management Studies was awarded – “Best Professor in Marketing Management” by Bloomberg UTV B-School Excellence Awards
- Students : Nil

20. Seminars/ Conferences/Workshops organized and the source of funding national / International with details of outstanding participants:

Total number of events : 6

Sl. No.	Name of the program	Source of Fund	Amount (Rs.)	Faculty Coordinator	No.of Participants
1	AICTE sponsored Staff Development Programme on “Infrastructure Finance”	AICTE, NewDelhi	7,00,000	Dr. P. Suresh Kumar and Dr.V.Kannan	50
2	AICTE sponsored workshop on “Application of Research Methods in Business and Engineering”	AICTE, NewDelhi	2,00,000	Dr. P. Suresh Kumar, Dr. D. Sharmila and Dr. J. Ashok	50
3	International Convention cum Pre-Conference Workshop on Innovations in Engineering and Technology for Sustainable Development - Technology in Financial Institutions	Self-Supporting	36,000	Dr.P.Sureshkumar	24

Sl. No.	Name of the program	Source of Fund	Amount (Rs.)	Faculty Coordinator	No.of Participants
4	Workshop on “Research Analysis using Pivot Table” - under C.K.Prahalad Research chair”	Self-Supporting	15,000	Dr.S.Murugappan	30
5	Workshop on “Issues in Sample Design for Business Research” - under C.K.Prahalad Research chair	SreeAnnapoornaSreeGowrishankar Group, Coimbatore	20,000	Dr.S.Murugappan	25
6	Workshop on “Exploring Data through Pivot Table” under C.K.Prahalad Research chair	Self-Supporting	15,000	Dr.S.Murugappan	25

21. Student profile course-wise:

Name of the Course (refer question no. 2)		Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
MBA	2009 – 2011	153	27	28	96%	100%
	2010 – 2012	220	30	23	97%	100%
	2011 - 2013	295	33	22	75%	100%

22. Diversity of Students

Name of the Course (refer question no. 2)		% of students from the college	% of students from the state	% of students from other States	% of students from other countries
MBA	2010-2011	1.8	96.2	0	0
	2011-2012	0	100.0	0	0
	2012-2013	3.3	98.0	0	0
	2013-2014	3.4	98.3	0	0

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

Civil services, defense services	-	Nil
NET, SLET	-	Nil
GATE	-	Not Applicable

24. Student progression:

a. Higher Studies

Academic Programme	Percentage against enrolled			
	2009-2010	2010-2011	2011-2012	2012-2013
UG to PG	Not Applicable	Not Applicable	Not Applicable	Not Applicable
PG to M.Phil.	0	0	0	0
PG to Ph.D.	-	1	-	-
Ph.D. to Post-Doctoral	0	0	0	0

b. Employment

Selection Process	2009-2010	2010-2011	2011-2012	2012-2013
I. Campus selection	83 %	72 %	81 %	77 %
II. Other than campus recruitment	0 %	6 %	4 %	0 %

c. Entrepreneurship

Selection Process	2009-2010	2010-2011	2011-2012	2012-2013
Entrepreneurs	0 %	0 %	6 %	0 %

25. Diversity of staff:

Percentage of faculty who are graduates of the same parent university	20%
From other universities within the State	80%
From other universities from other States	0

26. Number of faculty who were awarded Ph.D.during the assessment period. : 1

Sl. No	Faculty name	Year of Award
1	Mr. G. Natarajan	2012

27. Present details about infrastructural facilities

a) Department library

- i. Books : 700 books
- ii. Journals- National : 15
- iii. Journals - International : 15

b) On line journal :1918 EBSCO (Approved by AICTE)

- c) Internet facilities for staff and students :100 Mbps bandwidth
- d) Total number of classrooms : 4
- e) Classrooms with ICT facility : 4
- f) Students' laboratories (Communication Lab) : 1
- g) Research laboratories (Business Application Lab) : 1

28. Number of students of the department getting financial assistance from College:

- Admission Scholarship : 39

29. Was any need assessment exercise undertaken before the development of new program(s)?

If so, give the methodology.

- The process starts with interactions and collection of comments, suggestions from experts from industry / business organization, people of academia, alumni, members of faculty and materials collected from business school - both national and international (IIM, Harvard, Stanford etc.) to ensure that the curriculum and syllabi meet the industry / business organization requirements.
- The inputs thus collected from the stakeholders are taken into consideration in the design and development of the regulation and curriculum.
- The curriculum and syllabi thus developed are presented to the Board of Studies and with their recommendation, placed before the Academic Council for final approval and implementation.

30. Does the department obtain feedback from

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes - Feedback is obtained from the faculty on the curriculum as well as the teaching-learning-evaluation. Feedbacks are collected; suggestions are compiled and taken for discussion in Board of Studies. These Suggestions are incorporated in the curriculum and syllabi after approval with or without modification by the Academic Council.

- b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

- Feedback from students on staff and curriculum are obtained on class - time management, knowledge sharing, relationship and effectiveness on lecture delivery, students' participation in class room and methodology adopted in delivering the lecture. The Director discusses these inputs with faculty and wherever improvement is needed, the concerned faculty is suitably advised and remedial actions promptly taken.
- This exercise is carried out at least thrice a semester.
- These inputs are compiled and a consolidated report is prepared and forwarded to the board of studies for enabling necessary revision in the curriculum and syllabi.

c. Alumni and employers on the programmes and what is the response of the department to the same?

- Feedback from alumni is obtained at regular intervals through the specific format and their opinions are taken into consideration while making revisions in the curriculum and syllabi, delivery of the course.
- Feedback from employers is collected at regular intervals both formally and informally. Informal feedbacks are collected during the visits of employers to the department on the various occasions like Board of Studies, CEO of the week programmes and when the people from industry come as visiting faculty.

31. List the distinguished alumni of the department (maximum 10)

S. No	Name	Batch (Year wise)	Current Position	Contact Details
1.	Omprakash D	2009-2011	Assistant Manager, KarurVysya Bank, Chennai	oms_86@yahoo.com, 9600900658
2.	Reshmi M.S	2009-2011	HR Executive, Madhura Garments, Bangalore	reshmi_hameed@yahoo.com, resh06@gmail.com, 9790226769
3.	SaiVignesh Prabhu R	2009-2011	Academic Coordinator Sri Sai Matriculation School, Tirupur	saivignesh17@yahoo.com, 9025950205
4.	Felix Raja S V	2010-2012	Assistant Manager, Axis Bank, Erode	svfelixraja@yahoo.co.in 9487220590
5.	Sandeep R	2010-2012	Executive Director, Vaikunth Paper Mills, Sirumugai	sandeey66@yahoo.com 9715560000
6.	Karthik P	2010-2012	BNP Paribas, Chennai	Simam.karthik@gmail.com 9789740143
7.	Mathan Kumar N	2010-2012	Assistant Manager, Bank of Baroda, Coimbatore	mathan3288@live.com 9442633288
8.	Praseedha D	2010-2012	Indian Bank, Coimbatore	dpraseedha@gmail.com 9994228785
9.	Nithya E	2011-2013	Seshasayee Paper and Boards Ltd, Erode	nithyaaeswaran89@gmail.com 9659529696
10.	Rangarajan L	2011-2013	GM Pens International P Ltd, Chennai	rangaraj568@gmail.com 9894700568

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

Special Lectures	: 106
Workshops	: 13
Seminars	: 22
Total Number of Events	: 141

33. List the teaching methods adopted by the faculty for different programmes

The members of faculty frequently discuss, deliberate and arrive at innovative pedagogy to ensure a complete transformation of students. The various teaching methodologies adopted for specific programmes are:

Programme	Methodologies adopted
Finance Management, Project Finance and related electives	<ul style="list-style-type: none"> • Internet based exercises • Case studies and brain storming • Seminars • Business News Analysis and Book Reviews • Class Quiz programmes
Human Resource Management, and related electives	<ul style="list-style-type: none"> • Role plays • Case Study and brain storming • Teaching by students • Seminars • Personality Development Programmes • Industrial Visits
Marketing Management, Consumer Behavior, Rural Marketing and related electives	<ul style="list-style-type: none"> • Internet based exercises • Field Survey Exercise • Case studies and brain storming • Seminars • Industrial Visits • Business News Analysis and Book Reviews

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- Continuous internal assessment
- Students seminar
- Classroom quiz programme
- Role play
- Group discussion
- Specific assignments

35. Highlight the participation of student and faculty in extension activities

Students

- Students are involved in rural market behavior survey in nearby villages and offer useful suggestion.
- Department “Management Association” activities.

Faculty

- The faculty of the School of Management Studies conducts Management Development Programmes and offer consultancy work to industries. The following are some of the industries that availed the consultancy services
 1. Suguna Poultries, Coimbatore
 2. Sree Annapoorna Sree Gowrishankar caterers, Coimbatore
 3. Sreenivasa Associates, Erode
- The School of Management Studies has established an outreach centre and an exclusive full time faculty is in-charge as coordinator. He develops industry institute partnership, and arranges internships and projects.
 - Faculty training activities
 - Staff training

36. Give details of “beyond syllabus scholarly activities” of the department

- Self Development Activity
- Research paper reading and presentation of new ideas in the seminar
- Business News Analysis
- Guest lectures by Executives from industry
- Management association activities
- Simulated Business Games

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.

- Approved as Training Centre by State Institute of Educational Management and Training (SIEMAT), Tamil Nadu.
- Ranked 34th amongst India’s best B-Schools in the Business world – Ipsos B-School survey 2013
- Ranked 16 amongst all private B-schools in South India by Careers 360 Magazine
- Graded “A” in the B-School review and ranking by AIMA, New Delhi

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strengths	Weakness	Opportunities	Challenges
<ul style="list-style-type: none"> • Infrastructure facilities with smart classrooms. • 70% of the faculties have significant industrial / Corporate exposure • Ranked by Business World – Ipsos B-School survey ,AIMA, New Delhi and Careers 360 • CEOs, CFOs, and COOs from industry and business organization come to share their experience 	<ul style="list-style-type: none"> • Heterogeneous students (Graduates of B.A. (English), B.E., B.Com. etc.) 	<ul style="list-style-type: none"> • Increasing employment opportunities in <ol style="list-style-type: none"> 1. Rural marketing, 2. Energy management, 3. Financial services. • Availability of competent faculty to offer courses in <ol style="list-style-type: none"> 1. Energy Management 2. Cost control 3. Financial services 	<ul style="list-style-type: none"> • Competition from other colleges, online programs and distance education programmes

39. Future plans of the department.

- Establishing “Interdisciplinary Research Park” which will create a meeting ground for the faculty and the entrepreneurs. Considering the availability of qualified faculty conducting sponsored research, well-equipped laboratories and an incubation centre, this research park will provide all necessary inputs for entrepreneurship.
- Promoting industrial cluster for micro and small industrial units. These units will provide opportunities for technical and management graduates to become entrepreneurs and create job opportunities.
- Conduct programmes for women empowerment.
- Promoting skill enhancement programmes and techniques.
- Establish duly approved energy audit centre to conduct energy audit in industry and bring about efficient energy management. This center will function as an interdisciplinary entity wherein the Departments of Electrical and Electronic Engineering, Mechanical Engineering and School of Management Studies function in unison.
- Establish centre for ‘Renewable Energy Management’ wherein the Department of Electrical and Electronic Engineering, and School of Management Studies function in unison.
- Provide consultancy services to the industry / business organisation in
 1. Value engineering in manufacturing
 2. Cost control of products
 3. Total maintenance management to enhance productive life of capital machinery and plant.

Evaluative Report of the Department

1. **Name of the Department & its year of establishment - English**
Year of establishment - **1996**
2. **Names of Programmes /Courses offered** - Support to all UG programs and Ph.D. in English
3. **Interdisciplinary courses and departments involved** - Nil
4. **Annual/ semester/choice based credit system** - Semester System with Continuous Assessment
5. **Participation of the department in the courses offered by other departments -**

S.No.	Department	Courses offered
1.	All Engineering and Technology Departments	Basic English/ Communicative English , Advanced Communicative English/ German/ Japanese/ Hindi

6. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)**

Designation	Sanctioned	Filled
Professors	-	2 + 1 (Visiting Professor)
Associate Professors	-	0
Asst. Professors	14	14
Total	14	17

7. **Faculty profile with name, qualification, designation, specialization.**

Sl. No	Name	Quali- fication	Desig- nation	Speciali- zation	No. of years of Experience	No. of Ph.D. Students guided for last 4 years
1	Dr. Shakila Mathew	Ph.D.	Prof. & Head	English Literature	20 Years 8 Months	-
2	Dr. V. Thiyagarajan	Ph.D.	Prof.	Translation	26 Years 6 Months	2
3	Dr. D. Martin Luthar	Ph.D.	Asst. Prof. (Sr.gr)	English Literature	15 Years 2 Months	-

Sl. No	Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for last 4 years
4	Mr. K. Jayakumar	M.Phil.	Asst. Prof. (Sr.gr)	English Literature	14 Years 7 Months	-
5	Ms. D. Nivetha	M.Phil.	Asst. Prof.	English Literature	6 Years 7 Months	-
6	Ms. A. Anne Dorathy*	M.Phil.	Asst. Prof.	English Literature	8 Years 1 Month	-
7	Ms. G. Lavanya	M.Phil.	Asst. Prof.	English Literature	12 Years 2 Months	-
8	Ms. N. Ramya	M.Phil.	Asst. Prof.	English Literature	1 Years 3 Months	-
9	Ms. S. Yasmin	M.Phil.	Asst. Prof.	English Literature	3 Years 10 Months	-
10	Ms. E. Priscilla	M.Phil.	Asst. Prof.	English Literature	4 Years 10 Months	-
11	Dr. Sreeja Balakrishnan	Ph.D.	Asst. Prof.	English Literature	1 Year 1 Month	-
12	Ms. B. Sreela*	M.Phil.	Asst. Prof.	English Literature	2 Years 3 Months	-
13	Mr. R. Saravanan*	M.Phil.	Asst. Prof.	English Literature	6 Years 2 Months	-
14	Dr. J. P. Vandhana	Ph.D.	Asst. Prof.	English Literature	1 Year 4 Months	-
15	Mr. A. Ranganathan	Hindi Praveen	Hindi Teacher	Hindi	5 Years 6 Months	-
16	Dr Abraham Benjamin Samuel	Ph.D.	Visiting Prof. - German Language	German	24 Years 4 Months	-
17	Ms. Ikuko Devadas	B.A.	Japanese Teacher	Japanese	24 Years	-

* Pursuing Ph.D.

8. Percentage of classes taken by temporary faculty-programme-wise information:

Nil

9. Programme-wise Student Teacher Ratio - Not Applicable

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Sanctioned	Filled
Administrative Staff	1	1
Lab Assistants	1	1

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

- a) National funding Agencies : Nil
b) International funding Agencies : Nil
c) Total Grants Received : Nil

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; - Nil

13. Research facility / centre with

- State recognition
Recognized Research Centre for Ph.D. - Anna University, Chennai
- National recognition: Nil
- International: DOTE - British Council recognized training centre for Cambridge English Language Assessment's (CELA) Business English Certificate (BEC) Examinations.

14. Publications:

- Number of papers published in peer reviewed journals:
 - International : 5
 - National : 4
- Monographs : Nil
- Chapter(s) in Books - Nil
- Editing Books - Nil
- Books with ISBN numbers with details of publishers -Nil
- Number listed in International Database - Nil
- Citation Index - range / average: 0
- SNIP - Range/ Average:- Min: 0, Max: 0, Average: 0
- SJR - Range / Average:- Min: 0, Max: 0, Average: 0
- Impact factor - range / average: Min: 0 Max: 0 Average: 0
- h-index : Min - 0; Max - 0

15. Details of patents and income generated : Nil

16. Areas of consultancy and income generated : Nil

17. Faculty recharging strategies:

- Participating in conferences/seminars/workshops/Personal Effectiveness Programme
- Depute the faculty members to participate in Faculty Development Programmes organized by other Institutions and external agencies
- Interaction with Experts from other Institutions

18. Student projects: Not Applicable**19. Awards / recognitions received at the national and international level by**

- Faculty : Nil
- Doctoral / post-doctoral fellows : Nil
- Students Awards : 1

1. Mr. B. Aravindth Sudthan, B.E. ECE student (2010-13) who figured in the top 20 List in the BEC Higher Examination conducted during March 2013, was the runner up in the BEC candidate competition 2013 to win a trip to Cambridge on a one to one Language Course. He was awarded with an IPAD by the Cambridge English on 7 May 2014.

20. Seminars/ Conferences/Workshops organized and the source of funding (national / International) with details of outstanding participants, if any.

- a) Conducted the Seventh International conference on English Grammar (ICEG 2011) during 28-30 December 2011.
- b) Conducted a One-Day International Seminar on Gender Mainstreaming in Engineering Education on 20 January 2014.

21. Student profile course-wise: Not Applicable**22. Diversity of Students: Not Applicable****23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?**

Examination	Total Number of Students Qualified
BEC (Business English Certification)	Vantage – 1954 candidates Higher – 39 candidates
German (German Language Proficiency Test)	37 (A1 & A2)
Japanese (Japanese Language Proficiency Test)	5

24. Student progression: Not Applicable

25. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	Nil
from other universities within the State	91.66%
from other universities from other States	8.34%

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:

Ph.D.: 2

S.No.	Name of the Faculty	Month & Year
1	Shakila Mathew	Sep.2010
2	D Martin Luthar	Mar. 2012

27. Present details about infrastructural facilities

- a) Library : Books : 640
Journals : 4
(National : 4 & international: 0)
e-Journals: 81(As per AICTE recommendation)
Audio/Video packages : 29
- b) Internet facilities for staff and students : All Staff & Students (100Mbps)
- c) Total number of classrooms : 27
- d) Classrooms with ICT facility : 27
- e) Students' laboratories : Language Lab
- f) Research laboratories : Nil

28. Number of students of the department getting financial assistance from College:

Not Applicable

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

Yes. For revising the regulations and curriculum, suggestions are obtained from Industry, Alumni, Students, Employers, Members of Faculty, Professors of other universities.

30. Does the department obtain feedback from

- a. **Faculty on curriculum** as well as teaching-learning-evaluation? If yes, how does the department utilize it?

The feedbacks on curriculum, evaluation and update of the syllabi are obtained. These are deliberated in the Board of Studies before accepting for inclusion in the syllabi after following the procedure. Feedback on teaching-

learning process is discussed in departmental meetings and then suitable remedial actions are taken, if necessary.

- b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?
- **Feedback on Staff:** Online Student feedback on Faculty is obtained after every periodical test as per the ISO format and discussed in departmental meetings and then suitable remedial actions are taken if necessary.
 - **Feedback on Curriculum:** Feedback obtained is submitted for approval to the Academic Council after necessary modifications are made based on the suggestions provided during BoS.
 - **Feedback on Teaching Learning Evaluation:** Regular feedback on teaching and learning process is obtained from students and the same is considered in the departmental meeting and then suitable remedial actions are taken, if necessary.
- c. Alumni and employers on the programmes and what is the response of the department to the same?
- Regular feedback is obtained from Alumni and employers and considered in the BoS meeting, and good suggestions are included for implementation after due approval of the Academic Council.

31. List the distinguished alumni of the department (maximum 10) -

Not Applicable

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

- Students are trained to take up Business English Certificate Examinations twice in a year.

33. List the teaching methods adopted by the faculty for different programmes.

- Students centric activity based teaching methods are followed in the language classes with special focus on improving reading, listening, writing, speaking and presentation.

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- Achievements of Learning Outcomes are measured through tests to evaluate the language skills - Listening, Speaking, Reading and Writing.
- Based on the internal/ external audit findings suitable corrective actions are taken.

35. Highlight the participation of students and faculty in extension activities.

Students are encouraged to participate in the Extension Activities through NSS. Faculty Members of the Department are actively involved in the extension activities individually or jointly with other Departments.

- “Two-week Training Programme on Professional English Skills” for 40 Commandos of the Tamil Nadu Special Task Force (STF) from 15 February 2009 to 02 March 2009.
- 5-day “Professional English Training Programme” for the Tamil Nadu Special Task Force (STF) Instructors during 07 – 12 August 2009, in which about 45 members of Special Task Force Instructors participated.
- “One-week Professional English Training Programme” for the Tamil Nadu Special Task Force (STF) Instructors during 08 -15 February 2010.

36. Give details of “beyond syllabus scholarly activities” of the department.

Extension Activities:

- Special Lectures
- Business English Certificate Training

37. State whether the programme/ department is accredited/ graded by other agencies. Give details. - Not Applicable

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

STRENGTH	WEAKNESS	OPPORTUNITIES	CHALLENGES
<ul style="list-style-type: none"> • 5 Doctorates & 3 are pursuing doctorate • Six British Council authorized BEC Trainers & four CELA Accredited Speaking Examiners • Offering other languages (German, Japanese & Hindi) & Native Speaker for teaching Japanese • Conducting Extension Activities • Flexible curriculum/ methodology for language improvement 	<ul style="list-style-type: none"> • Insufficient publications in Journals with impact factor 	<ul style="list-style-type: none"> • Research Prospects • Training for BEC Exams & Competitive Exams • Training for different levels of Examination in other Languages (German, Japanese & Hindi) 	<ul style="list-style-type: none"> • Larger Classes of heterogeneous group of students • Students from Regional Medium • Reluctance to indulge in communicating in English beyond the class hours • Lack of exposure for students to improve their aural and oral skills outside the classroom

39. Future plans of the department

- a. Inclusion of Mandarin language in the list of other languages offered to students.
- b. Expansion of the multimedia lab to accommodate 120 students.

Evaluative Report of the Department

1. Name of the Department & its year of establishment : Mathematics
Year of establishment : 1996
2. Names of Programmes / Courses offered : Support to all UG and PG programs
3. Interdisciplinary courses and departments involved : Nil
4. Annual/ semester/choice based credit system : Semester System with Choice Based Credit System
5. Participation of the department in the courses offered by other departments :

Sl.No	Department	Courses offered
1.	All Engineering and Technology Departments	Engineering Mathematics- I, II and III, Numerical Methods and Statistics, Numerical and Statistical Methods, Numerical Methods, Numerical Methods and Linear Programming, Probability and Random Processes, Probability and Statistics, Discrete Mathematics, Applied Mathematics, Theoretical Foundations of Computer Science, Graph Theory and Optimization Techniques, Applied Probability and Operations Research, Computational Methods, Discrete Mathematics and Automata Theory, Linear Algebra

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

Designation	Sanctioned	Filled
Professors	-	-
Associate Professors	1	1
Asst. Professors	21	21
Total	22	22

7. Faculty profile with name, qualification, designation, specialization :

Sl. No.	Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for last 4 years
1	Dr. K. Megalai	Ph. D.	Asso. Prof.& Head i/c	Fuzzy Algebra	21 Years	-

Sl. No.	Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for last 4 years
2	Dr. P. Geetha	Ph. D.	Asst. Prof. (Sl.G)	Fluid Dynamics	17 Years	-
3	Ms. D. Jayanthi	M.Phil.	Asst. Prof. (Sr.G)	Queuing Theory	15 Years	-
4	Dr. T. Thulasimani	Ph.D.	Asst. Prof. (Sr.G)	Operator Theory	16 Years	-
5	Ms. V. R. Vinothini*	M.Phil.	Asst. Prof. (Sr.G)	Image Processing	12 Years 11 Months	-
6	Dr. P. Saravanamoorthi	Ph. D.	Asst. Prof. (Sr.G)	Optimization Techniques	12 Years 9 Months	-
7	Mr. P. Gunasekaran*	M.Phil.	Asst. Prof. (Sr.G)	Queuing Theory	19 Years	-
8	Ms. C. Indirani*	M.Phil.	Asst. Prof. (Sr.G)	Differential Equations	12Years	-
9	Ms. K. Prabhavathi*	M.Phil	Asst. Prof. (Sr.G)	Numerical Methods	12 Years 10 Months	-
10	Dr. M. Parimala	Ph. D.	Asst. Prof. (Sr.G)	General Topology	7 Years 6 Months	-
11	Mr. R. Sathishkumar*	M.Phil.	Asst. Prof.	Image Processing	9 Years	-
12	Mr. K. Prakash*	M.Phil.	Asst. Prof.	Image Processing	13 Years	-
13	Ms. B. Kalaivani	M.Phil.	Asst. Prof.	Differential Equation	9 Years 6 Months	-
14	Ms. D. Umamageswari	M.Phil.	Asst. Prof.	Topology	5 Years 10 Months	-
15	Ms. S. Krishnaveni	M.Phil.	Asst. Prof.	Fuzzy Graphs	6 Years 2 Months	-
16	Ms. S. Suganya	M.Phil.	Asst. Prof.	Graph Theory	3 Years	-

Sl. No.	Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for last 4 years
17	Ms. K. Sugapriya	M.Phil.	Asst. Prof.	Optimization Technique	3 Years	-
18	Dr. V. Parthiban	Ph. D.	Asst. Prof.	Fractional Differential Equations	1 Year	-
19	Mr. Y. L. Sivachandran	M.Phil.	Asst. Prof.	Functional Analysis and Topology	3 Years 7 Months	-
20	Ms. R. Preetha	M.Phil.	Asst. Prof.	Statistics	1 Year	-
21	Ms. K. Gayathri	M.Phil.	Asst. Prof.	Graph Theory	3 Years 3 Months	-
22	Mr. A. Manivannan*	M.Phil.	Asst. Prof.	Stability Analysis of Dynamical Systems	-	-

* Pursuing Ph. D.

8. Percentage of classes taken by temporary faculty-programme-wise information - Nil

9. Programme-wise Student Teacher Ratio - Not Applicable

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Sanctioned	Filled
Administrative Staff	2	2
Total	2	2

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise : Nil

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc. : Nil

13. Research facility / centre with

- State recognition : Nil
- National recognition : Nil

14. Publications:

- Number of papers published in peer reviewed journals : 28
- Monographs : Nil
- Chapter(s) in Books : 9
- Editing Books : 1
- Books with ISBN numbers with details of publishers : 6

Sl. No.	Title of the Book	Author	ISBN	Year of Publication	Publisher
1	Applied Discrete Structure for Computer Applications	Dr. P. Geetha	978-81-8371-196-8	2009	SciTech
2	Discrete Mathematics for Engineers	Dr. P. Geetha	978-81-8371-284-2	July 2010	SciTech
3	Mathematics for Engineers- Volume 2	Prof. K.A.Lakshminarayanan Dr. K. Megalai Dr. P. Geetha Ms. D. Jayanthi	978-81-259-3084-6	2009	Vikas
4	Mathematics for Engineers- Volume 3	Dr. K. Megalai Dr. P. Geetha Ms. D. Jayanthi	978-81-259-31362	2009	Vikas
5	Mathematics II	Dr. K. Megalai Dr. P. Geetha Ms. D. Jayanthi	978-812-594-2344	2010	Vikas
6	Mathematics III	Dr. K. Megalai Dr. P. Geetha Ms. D. Jayanthi	978-812-593-9344	2010	Vikas

- Number listed in International Database : 3
- Citation Index - range / average : 1 to 6 / 2 (Google Scholar)
- SNIP - Range/Average : Min: 0.123 Max: 1.328 Average: 0.7627

- SJR – Range / Average : Min: 0.112 Max: 22.315 Average: 0.3023
 - Impact factor–range/average : Min: 0.250 Max: 2.315 Average: 0.9809
 - h-index : Min: 1 Max: 2
15. Details of patents and income generated : Nil
16. Areas of consultancy and income generated : Nil
17. Faculty recharging strategies:
- Participating in conferences/seminars/workshops/ Personal Effectiveness Programme
 - Depute the faculty members to participate in Faculty Development Programmes organized by other Institutions and external agencies
 - Interaction with Experts from other Institutions
 - Training on Mathematical Softwares
18. Student projects: Not Applicable
19. Awards/recognitions received at the national and international level : Nil
20. Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of outstanding participants, if any.
- a) Conducted a One-Day self supporting Seminar on Applications of Mathematics in Engineering Discipline on **21 October 2010**.
- b) Conducted a One-Day self supporting Workshop on Applications of Mathematics in Mechanical Engineering: Methods and Tools on **22 November 2014**.
21. Student profile course-wise : Not Applicable
22. Diversity of Students : Not Applicable
23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? -- Not Applicable
24. Student progression : Not Applicable
25. Diversity of staff

Percentage of faculty who are graduates	Mathematics
of the same parent university	Nil
from other universities within the State	95.45%
from other universities from other States	4.55%

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:

Ph.D.: 5

Sl. No.	Name of the Faculty	Month & Year
1	Mrs. K. Megalai	May 2013
2	Mrs. P. Geetha	Mar. 2013
3	Ms. T. Thulasimani	June 2013
4	Mr. P. Saravanamoorthi	Aug. 2014
5	Mrs. M. Parimala	Feb. 2012

27. Present details about infrastructural facilities

- a) Library : Books : 302
Journals : 12 (National: 4 & international: 8)
e-journals recommended by AICTE
- b) Internet facilities for staff and students :All Staff & Students (100mbps)
- c) Total number of classrooms : 27
- d) Classrooms with ICT facility : 27
- e) Students' laboratories : Nil
- f) Research laboratories : Nil

28. Number of students of the department getting financial assistance from College : Not Applicable

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

New courses are introduced as per the suggestions given by concerned Engineering Departments and Alumni.

30. Does the department obtain feedback from

- a. **Faculty on curriculum** as well as teaching-learning-evaluation? If yes, how does the department utilize it?

The feedbacks on curriculum, evaluation and update of the syllabi are obtained. These are deliberated in the Board of Studies before accepting for inclusion in the syllabi after following the procedure. Feedback on teaching-learning process is discussed in departmental meetings and then suitable remedial actions are taken if necessary.

- b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Feedback on Staff: Online Student feedback on Faculty is obtained after every periodical test as per the ISO format and discussed in departmental meetings and then suitable remedial actions are taken if necessary.

Feedback on Curriculum: Feedback obtained is submitted for approval to the Academic Council after necessary modifications are made based on the suggestions provided during departmental meetings and BoS.

Feedback on Teaching Learning Evaluation: Regular feedback is obtained from

students on teaching and learning process and the same is considered in the departmental meeting and then suitable remedial actions are taken if necessary.

- c. Alumni and employers on the programmes and what is the response of the department to the same?

Regular feedback is obtained from Alumni and employers and considered in the BoS meeting, and good suggestions are included for implementation after due approval of Academic Council.

31. List the distinguished alumni of the department (maximum 10) : Not Applicable

32. Give details of student enrichment programmes (special lectures/workshops/seminar) with external experts : Nil

33. List the teaching methods adopted by the faculty for different programmes.

- Creative Learning Methodology is followed in theory courses with focus on improving reading, listening, presentation and problem solving skills.

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- Achievements of Learning Outcomes are measured through tests, assignments and innovative practices.
- Based on the internal/ external audit findings suitable corrective actions are taken.

35. Highlight the participation of students and faculty in extension activities.

Students are encouraged to participate in the Extension Activities through NSS.

Faculty Members of the Department are actively involved in the extension activities individually or jointly with other Departments.

36. Give details of “beyond syllabus scholarly activities” of the Department.

- Math club provides opportunities to the students to improve their knowledge and enhance their analytical skill in mathematics and the relevant areas.

37. State whether the programme/ department is accredited / graded by other agencies. Give details. : Not Applicable

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department

STRENGTH	WEAKNESS	OPPORTUNITIES	CHALLENGES
<ul style="list-style-type: none"> • 6 Doctorates & 7 are pursuing Doctorate • Conducting bridge courses for lateral entry students and special classes for slow learners 	<p>The department of Mathematics has to get research center approval for carrying out research work</p>	<ul style="list-style-type: none"> • Research Prospects • Training on Mathematical Softwares 	<ul style="list-style-type: none"> • Heterogeneous group of students • Students from Regional Medium / Vocational Background • Inadequate knowledge in basic concepts

39. Future plans of the Department

- To Establish a Math Lab.
- Introduction and development of visualization techniques (STEM) in mathematics to improve effectiveness in the teaching learning process. It will be useful for bridging the gap between the knowledge and applications.

Evaluative Report of the Department

1. Name of the Department & its year of establishment: Physical Sciences (Physics and Chemistry) & Year of Establishment : 1996
2. Names of Programmes / Courses offered:
 - Service papers to all UG Programmes
 - Doctoral Programme (Ph.D.) in Physics
 - Doctoral Programme (Ph.D.) in Chemistry
3. Interdisciplinary courses and departments involved - Nil
4. Annual / semester/choice based credit system -
Semester System with Choice Based Credit System
5. Participation of the department in the courses offered by other departments – Nil
6. Number of teaching posts sanctioned and filled (Professors / Associate Professor / Assistant Professor)

Position	Sanctioned	Filled
Professor	0	0
Associate Professors	2	2
Assistant Professors	23	23
Total	25	25

7. Faculty profile with name, qualification, designation, specialization

Sl. No.	Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for last 4 years
1	Dr.R.Jayapraksam	Ph.D.	Assoc. Prof.	Organic Chemistry	18 Years	1
2	Mr.V.Dhanapal*	M.Phil.	Asst. Prof.	Polymer Chemistry	8 Years 2 months	-
3	Dr.P.Subhapriya	Ph.D.	Asst. Prof.	Liquid Crystals	6 Years	-
4	Dr.P.S.Vijayanand	Ph.D.	Asst. Prof.	Polymer Chemistry	8 Years 10 months	4
5	Dr.R.Praveena	Ph.D.	Asst. Prof.	Organic Chemistry	8 Years	-

Sl. No.	Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for last 4 years
6	Mrs.C.Kavitha*	M.Phil.	Asst. Prof.	Liquid Crystals	5 Years 6 months	-
7	Dr.Malathi Mahalingam	Ph.D.	Asst. Prof.	Organic Chemistry	4 Years 1 month	1
8	Mr.V.Vijayakumar*	M.Phil.	Asst. Prof.	Polymer Chemistry	2 Years 3 months	-
9	Ms.R.Divya	M.Phil.	Asst. Prof.	Corrosion Science	2 Years 3 months	-
10	Dr.M.Venkatesh Perumal	Ph.D.	Asst. Prof.	Organic Chemistry	2 Years 4 months	-
11	Dr. B.Palanisamy	Ph.D.	Asst. Prof.	Environment -al Science	1 Year 3 months	-
12	Dr.V.Sathish	Ph.D.	Asst. Prof.	Organic Chemistry	-	-
13	Ms.S.Jenisha	M.Phil.	Asst. Prof.	Organic Chemistry	5 Years 2 months	
14	Dr.K.Sadasivam	Ph.D.	Asst.Prof. (Sl.G) & Head	Physics	18 Years	3
15	Dr.K.Senthil	Ph.D.	Assoc. Prof.	Thin films	4 Years 3 months	-
16	Dr.V.N.Vijayakumar	Ph.D.	Asst. Prof. (Sr.G)	Liquid Crystals	13 Years	-
17	Mr.J.Vivekanandan*	M.Phil.	Asst. Prof.	Conducting Polymers	6 Years 1 Month	-
18	Dr.N.Pongali Sathya Prabu	Ph.D.	Asst. Prof.	Liquid Crystals	5 Years 2 Months	-
19	Mr.A.Mahudeswaran*	M.Phil.	Asst. Prof.	Conducting Polymers	4 Years 11 months	-
20	Mr.R.Rajanandkumar	M.Phil.	Asst. Prof.	Nano science	4 Years 1 Month	-

Sl. No.	Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for last 4 years
21	Mr.V.Hariharan	M.Phil.	Asst. Prof.	ESR Spectroscopy	2 Years 5 months	-
22	Ms.P.Rohini	M.Phil.	Asst. Prof.	Crystal Growth	2 Years 4 months	-
23	Dr.D.Prakash	Ph.D.	Asst. Prof.	Solid State ionics	1 Year 4 months	-
24	Dr.K.Saravanakumar	Ph.D.	Asst. Prof.	Rheological Studies	3 Years 2 months	-
25	Mrs.M.Shobana	M.Phil.	Asst. Prof.	Plasma Physics	5 Years 2 months	-

* -Pursuing Ph.D.

8. Percentage of classes taken by temporary faculty – programme-wise information – Nil
9. Programme-wise Student Teacher Ratio – Not Applicable
10. Number of academic support staff (technical) and administrative staff:

Staff	Sanctioned	Filled
Technical	4	4
Administrative	1	1
Total	5	5

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

Number of faculty members involved: 3

a) National Funding Agencies:

Sl. No	Name of the faculty	Title of the Project	Funding Agency	Grant received (Rs in Lakhs)
1	Dr. P.S.Vijayanand	Synthesis and characterization of novel conducting polymer as energy efficient materials	CSIR New Delhi	11.40
2	Dr. Malathi Mahalingam	Dipod, tripod and tetrapod quinoline fluorescence chemosensor for transition metal ions-preparation, characterization and binding analysis	DST New Delhi	25.25
3	Dr.V.N.Vijayakumar	Efficient Optical and Energy Storage Assets of Hydrogen Bonded Supramolecular Liquid Crystals	DST New Delhi	19.15

b) International funding agencies: Nil

c) Total grants received: **Rs. 55,80,000/-**

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.- Nil

13. Research facility / Centre with

- State recognition

Department of Physical Sciences is recognized as research centre by Anna University, Chennai.

- National recognition: Funded projects from CSIR and DST, New Delhi.

14. Publications:

- Number of papers published in peer reviewed journals : 81

National : 0

International : 81

- Monographs - Nil
- Chapter(s) in Books – 3
- Editing Books - Nil

- Books with ISBN numbers with details of publishers - 7
 - i. R. Sivakumar, 'Principles of Environmental Science and Engineering', Thomson Learnings, Singapore, ISBN- 981-24-288-4, 2004.
 - ii. R. Sivakumar 'Introduction to Environmental Science and Engineering', Tata mcGrw Hill International, New Delhi, ISBN - 81-8209-075-X, 2005.
 - iii. R. Sivakumar and R. Jayaprakasam, 'Laboratory Manual for Engineering Chemistry', Tata McGraw Hill International, New Delhi, ISBN -13-978-81-8209-056-9, 2008 - 09.
 - iv. R. Sivakumar and N. Sivakumar, 'Engineering Chemistry', Tata McGraw Hill International, New Delhi, ISBN- 13-978-0-07-026101-3, 2008.
 - v. R. Sivakumar, 'Energy, Environment, Ecology and Society', Tata McGraw Hill Education Private limited, New Delhi, ISBN - 978-0-07-107278-6, 2010.
 - vi. R. Sivakumar, R. Jayaprakasam, N. Sivakumar, Engineering Chemistry I', Tata McGraw Hill Education Private limited, New Delhi, ISBN 978-0-07-133315-3, 2011.
 - vii. J. William Charles and K. Sadasivam, 'A concise Laboratory Manual for Engineering Physics', Tata McGraw Hill International, New Delhi, ISBN -13:978-81-8209-054-5, 2010.
- Number listed in International Database - 81
- Citation Index - range / average;- 01 to 199; 8 (Google Scholar)
- SNIP - Range/Average:- Min:0.03, Max: 1.58, Average:0.221
- SJR - Range / Average:- Min: 0.100, Max: 1.254, Average: 0.147
- Impact factor - range / average: Min:0.253 Max: 3.49 Average: 0.97
- h-index : Min - 1; Max - 16

15. Details of patents and income generated:

Patent Registered - 1 Income generated - Nil

16. Areas of consultancy and income generated: Nil

17. Faculty recharging strategies:

- Participating in conferences/seminars/workshops
- Depute the faculty members to participate in Faculty Development Programmes organized by other Institutions and external agencies
- Interaction with Experts from Academia
- Participation in Personal Effectiveness Programme

18. Student projects: Not Applicable

19. Awards/recognitions received at the national and international level by

➤ Faculty: 3

- Dr.V.N.Vijayakumar - Young Scientist Fellowship from TNSCST in 2011
- Dr.V.N.Vijayakumar - DST Project Fast track Young Scientist Fellowship in 2014
- Dr.Malathi Mahalingam - DST Project Fast track Young Scientist Fellowship in 2012
- Mrs.C.Kavitha - Young Scientist Fellowship from TNSCST - 2014

➤ Doctoral / Post-Doctoral fellows : Nil

➤ Students Awards : Nil

20. Seminars/ Conferences/Workshops organized and the source of funding (National/International) with details of outstanding participants, if any.

- a) Conducted a Two-Day Workshop on Advanced Instrumental Methods for Engineering Materials (AIMEM-2014) during 18-19 October 2014.

21. Student profile course-wise: Not Applicable

22. Diversity of Students : Not Applicable

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?- NA

24. Student progression : Not Applicable

25. Diversity of staff -

Percentage of faculty who are graduates	Physical Sciences
of the same parent university	Nil
from other universities within the state	100%
from other universities from other states	Nil

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period

Ph.D.: 5

S.No.	Name of the Faculty	Month & Year
1	Mr. K. Sadasivam	Dec. 2011
2	Mr. V. N. Vijayakumar	Mar. 2013
3	Mr. N. Pongali Sathya Prabu	Jun. 2014
4	Ms. R. Praveena	Sept. 2014
5	Ms. P. Subhapriya	Nov. 2014

27. Present details about infrastructural facilities

a) Library:

Books : 530 volumes

Journals : 11 (National: 7 & International: 4)

e journals : 6000 + as per AICTE recommendation

b) Internet facilities for staff and students: All Staff & Students (100 Mbps)

c) Total number of classrooms : 27

d) Classrooms with ICT facility : 27

e) Students' laboratories : Engineering Physics &
Engineering Chemistry

f) Research laboratories : 3 (Supramolecular Research Lab,
Conducting polymer research lab and Synthetic Organic Chemistry Lab)

28. Number of students of the department getting financial assistance from College:
Not Applicable

29. Was any need assessment exercise undertaken before the development of new program(s)?

Yes, considering the suggestion given by the Stake-holders, new courses are developed.

30. Does the department obtain feedback from

a. **Faculty on curriculum** as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes. Suggestions of the staff members on syllabus and curriculum are discussed in the BoS meeting and forwarded to Academic council for approval with or without modification for implementation.

b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Feedback on Staff: An online feedback is obtained thrice per semester and maintained as per ISO format. The feedback is reviewed by the Head of Department for counseling the faculty members.

Feedback on Curriculum: Included in the BoS agenda and put for discussion and incorporation.

Feedback on Teaching Learning Evaluation: Feedbacks from students on teaching learning process is obtained. The feedbacks are sent to the Head of the Department for counselling the concern faculty members.

- c. Alumni and employers on the programmes and what is the response of the department to the same?

Regular feedback is obtained from Alumni and employers and considered in the BoS meeting and good suggestions are included for implementation after due approval of the Academic Council.

31. List the distinguished alumni of the department (maximum 10): NA
32. Give details of student enrichment programmes (special lectures/workshops/seminars) with external experts:
- Bridge courses are conducted for first year B.E/B.Tech students
 - Extra coaching are offered to weaker sections of students
33. List the teaching methods adopted by the faculty for different programmes.
- Creative Learning Methodology is followed in theory courses with focus on improving reading, listening, presentation and problem solving skills.
 - Layer - learning concepts
34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?
- Assessment of the students is carried out using periodical tests for internal assessment both in practical and theory courses.
35. Highlight the participation of students and faculty in extension activities.
- Students are encouraged to participate in the Extension Activities through NSS.
 - NSS coordinators are actively involved in conducting special camps in rural area, awareness programmes, blood donation camp, etc., for the benefit of the society.
36. Give details of “beyond syllabus scholarly activities” of the department.
- Guest Lectures
 - Science Club activities
 - Personality Development Programmes
37. State whether the programme/department is accredited/graded by other agencies. Give details: Not Applicable

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

STRENGTH	WEAKNESS	OPPORTUNITIES	CHALLENGES
<ul style="list-style-type: none"> • 14 Doctorates & 5 are pursuing doctorate with publications in peer reviewed journals • Research grant worth Rs. 55.80 Lakhs • Young Scientist Fellowship received • Ph.D. guidance 	<ul style="list-style-type: none"> • Separate labs for research activities in physics and chemistry needed 	<ul style="list-style-type: none"> • Ample opportunities are available to get grant from various funding agencies • Good scope for carrying out inter-disciplinary research work 	<ul style="list-style-type: none"> • Larger Classes of heterogeneous group of students • Students from Regional Medium / Vocational Background • To educate the students with inadequate knowledge in basic concepts

39. Future plans of the department

1. To establish research facilities in the following areas:

- Polymer Chemistry
- Organic Chemistry
- Liquid Crystals
- Molecular Quantum Mechanics
- Nanotechnology

2. To introduce and develop visualization techniques related to Physics and Chemistry

Self-Study Report (Cycle II)

Volume - III

Annexures

Submitted for Reaccreditation



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission
P. O. Box. No. 1075, Nagarbhavi, Bangalore - 560 072

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Annexure 1.1

Research Grants Received by the Students

S. No	Department	Student Name(s)	Funding Agency	Period	Title	Amount (Rs)
1.	Biotech	P.Jeyavel Karthick	TNSCST, Chennai	2012-13	Development and formulation of effective probiotics against coccidiosis in poultry	10,000.00
2.	Biotech	V.Sindhu	TNSCST, Chennai	2012-13	Production of lactic acid from distillery waste using a novel design sonochemical bioreactor	10,000.00
3.	Biotech	T.Chitra Devi	TNSCST, Chennai	2012-13	Intensified technology for the simultaneous enhancement of biogas production and CO ₂ sequestration using cyano bacteria	10,000.00
4.	Biotech	J.Sudharsana	TNSCST, Chennai	2012-13	Screening of endophytic fungi for biomolecules with special reference to Taxol-an anticancerdrug	10,000.00
5.	Biotech	E.Manonmani	TNSCST, Chennai	2012-13	Bioleaching process for enhancement of cobalt dissolution from electronic wastes and determined by redox potential	10,000.00

S. No	Department	Student Name(s)	Funding Agency	Period	Title	Amount (Rs)
6.	Biotech	N.Senthilnathan	TNSCST, Chennai	2012-13	Characterization and purification of antimicrobial compounds from Crab Haemolymph	10,000.00
7.	Computer Applications	S. Sivashankar	TNSCST, Chennai	2012-13	Health Assistance for Patients using Ad Hoc Networks	10,000.00
8.	MBA	R.Goutham, S.Kaviyarasu L.Rangarajan S.K.Karlmarx	TNSCST, Chennai	2012- 13	A Study on Learning Effectiveness Through Free Laptops Provided to the College Students by the Government of TN	10,000.00
9.	Civil Engg	A.Arun V. Dilip D. Guruprasad	TNSCST, Chennai	2011-12	Development of Innovative Concrete Hollow Building Blocks	6,000.00
10.	Textile Technology	M.Subramanian K.Vasanthan S.Mohanapriya	Villgro Students Project	2011-12	Design & Development of Fiber Extracting machine for Xerophytic plants	22,000.00
11.	Biotech	C.Kanchana Nandan	TNSCST, Chennai	2011-12	Novel method of ethanol production using mushroom cultivation as pretreatment strategy on a low cost substrate	6,000.00

S. No	Department	Student Name(s)	Funding Agency	Period	Title	Amount (Rs)
12.	Biotech	V.Vinayashree	TNSCST, Chennai	2011-12	Molecular characterization of subtilin:Antimicrobial peptide from <i>Bacillus subtilis</i>	6,000.00
13.	Biotech	E.M.Nithiya	TNSCST, Chennai	2011-12	Preparation and Characterization of gelatin graft poly (ethylene glycol di methacrylate) nanoparticles for controlled drug delivery	6,000.00
14.	Fashion Technology	S.Nandhini K.Priyadharshini	TNSCST, Chennai	2011-12	Thermal control of automotive interiors using PCMs	6,000.00
15.	Fashion Technology	S.Abaya S.Nithya	TNSCST, Chennai	2011-12	Development of Self-cleaning Garments using nano particles	6,000.00
16.	Biotech	T. Chitra, T. Revathi V. Amsaveni	Villgro Student Project	2009-10	Design, development of photobioreactor for optimized micro algal cultivation leading to production of biofuel & sequestration of atmospheric CO ₂	20,000.00

S. No	Department	Student Name(s)	Funding Agency	Period	Title	Amount (Rs)
17.	Textile Technology	K. Aravinth R. Karthik K. Mahendira K. Babu	Villgro Student Project	2009-10	A Novel Method for Development of Acoustic-proof Fiber Reinforced Composites by using Textile Wastes and Used Papers	10,000.00
18.	Civil Engineering	G. S. Rampradheep	Villgro Student Project	2009-10	Properties of Self Curing Concrete	20,000.00
19.	Electrical & Electronics Engg.	E. Saravanakumar, B. Sathyaraj, C. Deepikasekaran S. Lakshmi Sudha	Villgro Student Project	2009-10	Solar-Hybrid Auto on the Mission to Protect Mother Earth	30,000.00
20.	Electronics & Comm. Engg.	S. Sivaprakash, R. Madhusudanan	Texas Instruments	2009-10	Bayesian Imaging Concepts for Smart Fracture Detection in X-Ray Images	25,000.00
21.	Electronics & Comm. Engg.	R. Janani A. Padmavathi	Texas Instruments	2009-10	Detection of Atherosclerosis	25,000.00
22.	Electronics & Comm. Engg.	M. Shankar R. Raja Raja	Texas Instruments	2009-10	Blood Pressure Indicating Cellphone	25,000.00
23.	Biotech	A. Lakshmanaswamy	TNSCST, Chennai	2008-09	Phenotypic & molecular characterization of Aeromonashydrophila isolated from fish	10,000.00

S. No	Department	Student Name(s)	Funding Agency	Period	Title	Amount (Rs)
24.	Biotech	S. Narmadha, S. Vishnupriya	TNSCST, Chennai	2008-09	A novel microbial route to synthesize silver Nanoparticles by <i>Trichoderma viride</i>	10,000.00
25.	Biotech	S. Vinodha S. Sowmya A. Safeena	TNSCST, Chennai	2008-09	Extraction, Estimation and Dedtoxification of Aflatoxins Present in Animal Feeds and the storage mycol flora	6,000.00
26.	Biotech	K. Amrutha, P. Raghu	TNSCST, Chennai	2008-09	Removal of Phosphate using VAM Fungi from Treated Sewage Water to Reduce Entrophication	5,000.00
27.	Biotech	R. D. Varuni, P. Sindhu, J. SwethaJ	TNSCST, Chennai	2008-09	Screening of Endophytic Fungi from Medicinal Plants for the Production of Camptothecin	5,000.00
28.	Electronics &Comm Engg.	A. Keerthivasan R. Logesh Kumar	National Instruments, India	2008-09	SVM as Post-classifier for Epilepsy Risk Level Classifications from Fuzzy - EEG Signal Parameter	1,20,000.00
29.	Textile Technology	A. Amit Jain V. Viknesh R. Prem Kumar	TNSCST, Chennai	2008-09	Air Tube Enabled Light Weight Cricket Pad	5,000.00

S. No	Department	Student Name(s)	Funding Agency	Period	Title	Amount (Rs)
30.	Electrical & Electronics Engg.	M. Vidhya P. Vishnukarthick	TNSCST, Chennai	2008-09	Water Fuelled Automobile	5,000.00
31.	Electronics & Instr. Engg.	M. Santhos Kumar M. Loganathan M. Guruprasath	IEEMA Consultancy & Training	2008-09	GSM based Distribution Transformer Monitoring System	6,000.00

Annexure 1.2

List of Enrichment Courses

S. No.	Dept/ Semester	Name of Course	Coordinator	No. of Students	Duration	From - To
1.	EEE - VI	PLC & SCADA	Mr.M.Ramkumar Mr.K.Senthilnathan	131	13 Days	22.05.10 to 03.06.10
2.	SMS - III	Enterprise Resource Planning	Dr.P.Suresh Kumar Dr.S. Murugappan Mr. D. David Mr. G. Natarajan Mr.D.Bala Ganesh	55	40 hours	09.04.10 to 01.06.10
3.	Civil - IV	STAAD PRO	Mr. M. Saravanan	30	10 Days	24.05.10 to 02.06.10
4.	Civil - IV	Application of Auto CADD	Mr. S. Bharathi Raja	35	12 Days	27.05.10 to 07.06.10
5.	MCA - I & II	Oracle Certified Associates	Mr. Suresh R, M/s Sennovate Infotech, Salem	41	45 Days	01.06.10 to 17.07.10
6.	FT - VI	TUKA CAD Training Programme	Mr.Thilak V Mr.Sathyaraj, (TUKA CAD)	22	7 Days	14.06.10 to 20.06.10
7.	CSE - V	Oracle Certified Associate	Mr. G. Komarasamy	77	Evening Times (60Hours)	12.07.10 to 12.08.10
8.	Civil - V & VII	Valuation of Land and Buildings	Dr. J. Raja Murugadoss Mrs.G.Anusha	50	30 hours	25.07.10 14.08.10 15.08.10 28.08.10
9.	MCA - I & II	.Net Framework	Mr. D. Prabhakaran, NIIT Limited, Chennai	105	50 Days	01.08.10 to 20.09.10

S. No.	Dept/ Semester	Name of Course	Coordinator	No. of Students	Duration	From - To
10.	Mech - III	Auto CAD	Mr. M.Sivakumar Mr. R.Rajiev	65	3 Days	16.08.10 to 19.10.10
11.	Mech - III	Auto CAD	Mr. S.Ramesh Mr. M.Ashokkumar	62	3 Days	16.08.10 to 19.10.10
12.	Mech - V	Solid Works	Mr. K.N.Thirumalaiswamy Creative I CAD, Coimbatore	74	3 Days	16.08.10 to 19.10.10
13.	MCA - I & II	Advanced Java Program	Mr. D. Prabhakaran, NIIT Chennai	67	50 Days	01.08.10 to 20.09.10
14.	CSE - III, V & VII	Mock Technical Test	Dr. P. Thangaraj Mr. C. Ramesh Mr. J. Vijayfranklin	12	1 Day	01.09.10
15.	SMS - IV	Personality Development	Dr. P. Suresh Kumar, Dr. V. Kannan, Dr. J. Ashok, Dr. S. Murugappan Mr. D. David Mr. G. Natarajan	43	40 hours	15.09.10 to 20.10.10
16.	Biotech - IV	Pharmaceutical Microbiology	Mr. L. Vijaya Kumar	40	30 hours	08.09.10 to 20.1.11
17.	Biotech - VI	Clinical Microbiology	Dr. K. P. Kannan	40	30 hours	03.01.11 to 25.02.11

S. No.	Dept/ Semester	Name of Course	Coordinator	No. of Students	Duration	From - To
18.	Biotech - VI	Mushroom Technology	Mr. V. R. Vasudevan Entrepreneur on Mushroom Cultivation Koogalur	60	1 Day	05.05.11
19.	EEE - VII	PLC & SCADA	Mr. Saravanakumar	72	1 Month	13.05.11 to 23.03.11
20.	EEE - VII	PLC & SCADA	Mr. Saravanakumar	72	1 Month	13.05.11 to 23.03.11
21.	EIE - VII	PLC and SCADA	Mr. K.S.Vairavel	61	5 Days	06.06.11 to 10.06.11
22.	MCA- IV	Soft Skill Training	Mr. M. Gunasekaran	110	7 Days	07.06.11 to 13.06.11
23.	EIE - VII	PLC & SCADA Phase-I	Mr. K.S.Vairavel	72	5 Days	11.06.11 to 15.06.11
24.	Biotech - III and V	Pharmaceutical Microbiology	Mr. L. Vijayakumar Mr. R. Balakrishnaraja Ms K. Selvapriya	60	-	09.08.11
25.	Biotech - III and V	Pharmaceutical Microbiology	Mr. L. Vijayakumar Mr. R. Balakrishnaraja Ms. K. Selvapriya	60	-	09.08.11
26.	Mech - VII & V	Solid Works	Mr. Ravikumar Infiniti Technologies Coimbatore	38	8 Days	07.10.11 to 15.10.11
27.	Mech - V	CATIA	Mr. Thirumalaiswamy, Creative ICAD Coimbatore		8 Days	07.10.11 to 15.10.11

S. No.	Dept/ Semester	Name of Course	Coordinator	No. of Students	Duration	From - To
28.	EIE - VII	PLC and SCADA - Phase II	Mr. K. S. Vairavel, BIT, Sathy	37	10 Days	20.12.11 to 24.12.11 & 26.12.11 to 30.12.11
29.	EIE - V	O & M of Distributed Control System	Mr. S. P. Selvaraj Mr. A. Ramesh	58	7 Days	01.12.11 to 07.12.11
30.	IT - VI Semester	ORACLE 9G	N. Sethupathi Database Administrator Atline Technology Bangalore	38	2 Months	13.12.11 to 13.02.12
31.	Mech - V	CATIA	Mr. Thirumalaiswamy Creative I CAD Coimbatore	60	16 Days	19.12.11 to 04.01.12
32.	EIE - VI	Oracle	Mr. G. Komarasamy Mr. S. Rajasekar	82	3 Months	13.12.11 to 13.02.12
33.	Mech- IV & VI	Solid Works	Mr. Ravikumar Infiniti Technologies Coimbatore	67	3 Months	06.03.12 to 18.06.12
34.	EEE - VII	Aptitude Training	N.Shankar	128	12 Days	9.3.12 to 13.3.12 8.4.12 to 11.4.12 & 17.9.12 to 19.9.12
35.	Mech- V & VII	CATIA	Mr.Thirumalaisamy Creative I-CAD Coimbatore	67	3 Months	06.06.12 to 18.06.12

S. No.	Dept/ Semester	Name of Course	Coordinator	No. of Students	Duration	From - To
36.	EEE - VII	PLC,SCADA and DCS	N. Shankar	128	15 Days	30.11.12 to 14.12.12
37.	CSE - V	OCA & OCP	Mr. G. Komarasamy Mr. S. Rajasekar	109	3 Months	06.08.12 to 07.11.12
38.	EEE - VIII	Prolific Systems & Technologies P.Ltd	Mr. K. Ilanchezhian Assistant Manager Technical Mr. Nesamani CRG Engineer Mr. B. Pradeep CRG Engineer	128	14 Days	3.12.12 to 16.12.12
39.	CSE - VI	ORACLE 9G	N. Sethupathi Database Administrator Atline Technologies India Pvt.Ltd. Bangalore.	60	2 Months	03.12.12 to 08.02.13
40.	TT -IV, VI & VIII	Medical Textiles	SITRA, Coimbatore	180	1 Day	04.01.213
41.	MCA- IV	Training program on ORACLE	Dr. K .Ananda Kumar	160	7 Days	01.02.13 to 03.02.13 & 07.02.13 to 10.02.13
42.	TT - VI	Scientific Learning Skills	Prof. L. R. Chandru	65	4 Days	07.01.13 to 10.01.13
43.	SMS - II	Data Analysis Using MS Excel	Dr. S. Murugappan Mr. K. Subramani Ms. M. Rini Catherine	51	28 Days	06.02.13 to 09.05.13

S. No.	Dept/ Semester	Name of Course	Coordinator	No. of Students	Duration	From - To
44.	SMS - VI	Basics of Mutual Funds	Dr. P. Suresh Kumar Dr. S. Murugappan	36	20 Days	06.02.13 to 09.03.13
45.	MCA- IV	Training program on ORACLE	Dr. K .AnandaKumar	160	5 Days	02.03.13, 07.03.13 & 23.03.13 to 25.03.13
46.	TT - VI	On-job Training on Industrial Engineering	Mr. V. Thanabal	32	5 Days	27.05.13 to 01.06.13
47.	TT -S6	ITEMA Weaving Machines	Mr. T. Ganesan	14	14 Days	03.06.13 to 14.06.13

Annexure 1.3

Courses offered in modular form

S. No	Academic Year	Department	Name of the Course	Number of Students Benefitted
1.	2013-14	Aeronautical	11A0XA High Temperature Instrumentation	30
2.	2013-14	Civil Engineering	11C0XE Interior Design	40
3.	2012-13	Civil Engineering	11C0XB E-Waste Management	142
4.	2013-14	Computer Science &Engg	11Z0XA Cloud Computing	38
5.	2013-14	Computer Science &Engg	07Z0XA ASP.Net	39
6.	2013-14	Computer Science &Engg	11Z0XD Mobile Operating Systems	40
7.	2013-14	Computer Science &Engg	11Z0XF Python Programming	39
8.	2013-14	Electronics & Instrumentation Engg	11N0XB Hook-up Diagram	35
9.	2013-14	Electronics & Instrumentation Engg	11N0XE Communication Protocol for Control and Automation	36
10.	2012-13	Electronics & Instrumentation Engg	11N0XA Commissioning of Control Systems	40
11.	2013-14	Biotechnology	11B0XG Computing Systems in Clinical Research Management	40
12.	2013-14	Biotechnology	11B0XH Molecular Marker Techniques	32
13.	2012-13	Biotechnology	11B0XF Principles of Translational Research	40
14.	2013-14	Textile Technology	11F0XO Eco-testing	32
15.	2013-14	Textile Technology	11F0XQ Craft Studies in Fashion	01
16.	2013-14	Textile Technology	11F0XW Knit Garment Analysis	43

S. No	Academic Year	Department	Name of the Course	Number of Students Benefitted
17.	2013-14	Textile Technology	11T0XW Energy Conservation in Textile Industry	40
18.	2012-13	Textile Technology	11T0XO Erection and Commissioning of Textile Machines	30
19.	2013-14	Fashion Technology	11F0XQ Craft Studies in Fashion	23
20.	2013-14	Fashion Technology	11F0XQ Bio-mimicking in Fashion	39
21.	2012-13	Fashion Technology	11F0XG Denim Fabrics and Garments	31
22.	2013-14	Mechanical Engg	11M0XD Geometric Dimensioning and Tolerancing	36
23.	2013-14	Mechanical Engg	11M0XJ Introduction to Piping Engineering	40
24.	2012-13	Mechanical Engg	11M0XD Geometric Dimensioning and Tolerancing	35
25.	2013-14	Computer Applications	10CA63 J-Query	40
26.	2013-14	Information Technology	11I0XA Google Appengine	30
27.	2013-14	Information Technology	110XB Business Intelligence and Reporting	28
28.	2013-14	Electronics & Communication Engg	11L0XF Embedded Solutions Engineering	40
29.	2013-14	Electronics & Communication Engg	11L0XD Qualnet	30
30.	201-14	Electrical & Electronics Engg	11E0XJ Synchronous Generator Industrial Practices	40
31.	2012-13	Electrical & Electronics Engg	11E0XI Photo Voltaic Solar System	28

Annexure 1.4

List of students re-joined and transferred to other Institutions

No	Department	Name of the Student	Year in which shifted to other Institution	Year of Drop-out and year of Re-joining
1.	Biotechnology	P. Krithika	Admitted:09.07.2010 Shifted: 01.07.2011	-
2.	Computer Science and Engg	E. Gokulnath	-	Admitted: 2010-11 Readmitted: 2011-12
3.	Mechanical Engg	S. Vasanthakumar	-	Admitted: 2010-11 Readmitted: 2011-12
4.	Computer Applications	K. Nithya	-	Admitted: 2010-11 Readmitted: 2011-12
5.	Civil Engg	M. Dharuman	-	Admitted: 2010-11 Readmitted: 2011-12
6.	Computer Science and Engg	A. Nilafur	-	Admitted: 2010-11 Readmitted: 2011-12
7.	Computer Science and Engg	T. Hanuparveena	-	Admitted: 2009-10 Readmitted: 2011-12
8.	Electronics & Communication Engg	T. S. Kavireshi	-	Admitted: 2010-11 Readmitted: 2011-12
9.	Electronics & Communication Engg	R. Thiyagu	-	Admitted: 2010-11 Readmitted: 2011-12
10.	Computer Science & Engg	M. Balamurugan	-	Admitted: 2010-11 Readmitted: 2011-12
11.	Civil Engg	G. Shankar	-	Admitted: 2010-11 Readmitted: 2011-12
12.	Electronics & Communication Engg	K. Ram	-	Admitted: 2011-12 Readmitted: 2012-13
13.	Electronics & Instrumentation Engg	N. Gokul	-	Admitted: 2011-12 Readmitted: 2012-13
14.	Mechanical Engg	S. Maheshkumar	-	Admitted: 2011-12 Readmitted: 2012-13

15.	Mechanical Engg	C. SathiyaMoorthi	-	Admitted: 2011-12 Readmitted: 2012-13
16.	Mechanical Engg	S. Vasanthakumar	-	Admitted: 2011-12 Readmitted: 2012-13
17.	Aeronautical Engg	Repana Chiranjeevi	-	Admitted: 2011-12 Readmitted: 2012-13
18.	Mechanical Engg	P. Sarathkumar	-	Admitted: 2011-12 Readmitted: 2012-13
19.	Civil Engg	B. Kumara Kangeyan	-	Admitted: 2011-12 Readmitted: 2012-13
20.	Electronics & Communication Engg	A. Rajasekar	-	Admitted: 2011-12 Readmitted: 2012-13
21.	Business Administration	V. Ramya	-	Admitted: 2011-12 Readmitted: 2012-13

List of Value Added Courses

S.No	Department	Value Added Courses
1.	Aeronautical Engineering	2011-12 <ul style="list-style-type: none"> • CATIA software training Programme 2012-13 <ul style="list-style-type: none"> • CATIA software training Programme 2013-14 <ul style="list-style-type: none"> • CATIA software training Programme
2.	Biotechnology	2011-12 <ul style="list-style-type: none"> • Biomedical Engineering • Perl Programming • Marine Food Technology • Aqua culture • Virology • Translational Research • Computing systems in Clinical Research Management • Molecular Marker Technologies • IPR in Biotechnology • Induced Pluripotent Stem Cells to Treat Diseases • Biopolymers • Microbial Fuel Cells • Plant and Agricultural Biotechnology • Animal Biotechnology • Environmental Biotechnology • Proteomics and Genomics • Biostatistics • Biofuels 2012-13 <ul style="list-style-type: none"> • Biological Spectroscopy • Food Process Engineering • Tissue Engineering and Biomaterials • Biosensors • Molecular Pathogenesis and Disease Diagnosis • Cancer Biology • Waste Management and Power Generation

S.No	Department	Value Added Courses
	Biotechnology	<ul style="list-style-type: none"> • Molecular Modelling • Process Instrumentation and Control • Immunotechnology • Tissue culture • Stem Cell Technology • Nanoscale Processes in Biology • Neurobiology • Total Quality Management • Organizational Behaviour and Management • Bioentrepreneurship • Biofuel cells • Pharmaceutical Formulations and Packaging • Vaccine Technology • Pharmaceutical Chemistry <p>2013-2014</p> <ul style="list-style-type: none"> • Induced Pluripotent Stem Cells to Treat Diseases • Biopolymers • Microbial Fuel Cells • Pharmaceutical Microbiology • Pharmacognosy of Medicinal Plants • Pharmaceutical Microbiology • Clinical Microbiology • Mushroom Technology • Pharmacognosy of Medicinal Plants • Pharmaceutical Microbiology
3.	Civil Engineering	<p>2011-12</p> <ul style="list-style-type: none"> • GIS Training <p>2013-14</p> <ul style="list-style-type: none"> • Value added Course on Total Station
4.	Computer Applications	<p>2011-12</p> <ul style="list-style-type: none"> • Soft Skill Training Program • Oracle Administration (OCA & OCP) <p>2012-13</p> <ul style="list-style-type: none"> • Soft Skill • .NET and PHP with MySQL • Oracle Training Programme <p>2013-14</p>

S.No	Department	Value Added Courses
		<ul style="list-style-type: none"> • Training program on ORACLE • PHP for S3MCA • PHP & MYSQL • Mobile Apps
5.	Computer Science & Engineering	<p>2011-12</p> <ul style="list-style-type: none"> • Oracle Certified Associates (OCA) & Oracle Certified Professional(OCP) Course • Web Designing, ALPHAA GRAPHICS. • Free Open Source Software (FOSS) <p>2012-13</p> <ul style="list-style-type: none"> • Oracle Certified Associates (OCA) & Oracle Certified Professional(OCP) Course • Web Designing • . NET • PHP <p>2013-14</p> <ul style="list-style-type: none"> • Oracle Certified Associates (OCA) & Oracle Certified Professional(OCP) Course • . NET • PHP • Web Designing • Android workshop • Flash, Multimedia and Photoshop
6.	Electronics & Communication Engineering	<p>2011-12</p> <ul style="list-style-type: none"> • Workshop on Engineering Perspectives For Diabetes and Epilepsy Health Care • Workshop Cum Placement Training in DSP • Workshop on Microwind EDA tools, • Training of Evaluators/Resource Persons On Outcome Based Accreditation <p>2012-13</p> <ul style="list-style-type: none"> • Engineering Perspectives For Diabetes and Epilepsy Health Care • Workshop Cum Placement Training in DSP

S.No	Department	Value Added Courses
		<ul style="list-style-type: none"> • Android Botix • Embedded VLSI • MSP 430 Microcontroller 2013-14 <ul style="list-style-type: none"> • Installation and training program on Exata emulator • Outcome based Accreditation Process and Parameters • Image Processing using MatLab • MATLAB and Simulink • Sixth Sense Robotics • Robotryst-2014
7.	Electrical & Electronics Engineering	2011-12 <ul style="list-style-type: none"> • PLC / SCADA 2012-13 <ul style="list-style-type: none"> • PLC / SCADA 2013-14 <ul style="list-style-type: none"> • PLC / SCADA
8.	Electrical & Instrumentation Engineering	2011-12 <ul style="list-style-type: none"> • Technical Training (PLC and SCADA) • Process Automation using Distributed Control System • Training in Distributed Control System 2012-13 <ul style="list-style-type: none"> • PLC,DCS,SCADA • JAVA Programming • LABView 2013-14 <ul style="list-style-type: none"> • DCS Engineering & Operations • Hook-up diagram
9.	Information Technology	2011-12 <ul style="list-style-type: none"> • ORACLE 9G 2012-13 <ul style="list-style-type: none"> • ORACLE course 2013-14 <ul style="list-style-type: none"> • Business Intelligence and Reporting • Google App Engine
10.	Mechanical Engineering	2011-12 <ul style="list-style-type: none"> • CATIA • Solid Works

S.No	Department	Value Added Courses
		2012-13 <ul style="list-style-type: none"> • CATIA V5 • Factory Automation and Process Automation • CATIA • Solid Works 2013-14 <ul style="list-style-type: none"> • Computational Fluid Dynamics
11.	Mechatronics Engg	2013-14 <ul style="list-style-type: none"> • Auto CAD
12.	Textile Technology	2011-12 <ul style="list-style-type: none"> • GATE Coaching Class • Scientific Learning Skills workshop • Medical Textiles 2012-13 <ul style="list-style-type: none"> • ITEMA Weaving Machines • On-job Training on Industrial Engineering • Energy Conservation in Textile Industry 2012-14 <ul style="list-style-type: none"> • Fashion Packages • Developments in Spinning • Shuttleless Weaving • Industrial Engineering
	Fashion Technology	2013-14 <ul style="list-style-type: none"> • Fashion Portfolio • Interior Design • Fashion Packages
13.	School of Management Studies	2011-12 <ul style="list-style-type: none"> • Basics of Mutual Funds 2012-13 <ul style="list-style-type: none"> • Mutual Funds – A Beginners Module • Data Analysis Using MS Excel 2013-14 <ul style="list-style-type: none"> • Mutual Funds – A Beginners Module • Data Analysis Using MS Excel

Annexure 1.6

List of the self-study electives offered

No	Department	Subject Code and Subject	Students Opted
1.	Biotechnology	11BO06 Biofuels	5
2.	Biotechnology	11BO08 Food Process Engineering	3
3.	Biotechnology	11BO09 Tissue Engineering and Biomaterials	11
4.	Biotechnology	11BO11 Molecular Pathogenesis and Disease Diagnosis	1
5.	Biotechnology	11BO013 Waste Management	1
6.	Biotechnology	11BO14 Molecular Modelling	3
7.	Biotechnology	11BO16 Immuno Technology	4
8.	Biotechnology	11BO18 Stem Cell Technology	9
9.	Biotechnology	11BO19 Nanoscale Processes in Biology	4
10.	Biotechnology	11BO21 Total Quality Management	1
11.	Biotechnology	11BO12 Cancer Biology	3
12.	Biotechnology	11BO20 Neurobiology	5
13.	Biotechnology	07B002 Environmental Biotechnology	1
14.	Biotechnology	07B010 Cane Sugar and Alcohol Technology	4
15.	Biotechnology	07B012 Molecular Modelling and Drug Design	3
16.	Civil Engineering	07C001 Remote Sensing and GIS	1
17.	Civil Engineering	07C020 Corrosion and Its Control	1
18.	Civil Engineering	07C015 Architecture and Urban Planning	25
19.	Civil Engineering	07C010 Advanced Concrete Technology	3
20.	Aeronautical Engineering	07A001 Theory of Elasticity	5
21.	Aeronautical Engineering	07A006 Vibration and Aeroelasticity	2
22.	Aeronautical Engineering	11AO09 Industrial Aerodynamics	20
23.	Aeronautical Engineering	11AO07 Introduction to V/STOL and Ground Effect Machines	23

No	Department	Subject Code and Subject	Students Opted
24.	Aeronautical Engineering	11AO10 Aero Engine Maintenance and Repair	7
25.	Computer Science & Engineering	07Z011 Embedded Systems	9
26.	Computer Science & Engineering	07Z016 Advanced Java Programming	23
27.	Electronics & Communication Engineering	07L030 Pattern Recognition and AI Techniques	16
28.	Electronics & Communication Engineering	11LO12 Computer Architecture	2
29.	Electronics & Communication Engineering	11LO05 Consumer Electronics	27
30.	Electronics & Instrumentation Engineering	11NORC Nanosensors	1
31.	Electronics & Instrumentation Engineering	11NORD Automotive Electronics	27
32.	Electronics & Instrumentation Engineering	11NORA Reliability and Safety Engineering	19
33.	Electronics & Instrumentation Engineering	11NORB Piping and Instrumentation	10
34.	Textile Technology	11TO20 Textile Composites	20
35.	Textile Technology	07T030 Pattern Engineering	3
36.	Textile Technology	07T028 Interior Design	3
37.	Textile Technology	07T029 Industrial Engineering in Apparel Production	8
38.	Fashion Technology	11F007 Fashion Photography	1

No	Department	Subject Code and Subject	Students Opted
39.	Fashion Technology	11F035 Fashion Portfolio Development	2
40.	Fashion Technology	11F023 Fashion Visual Merchandising	9
41.	Information Technology	07I010 Mobile Communication	10
42.	Information Technology	07I001 Indian Constitution and Society	2
43.	Information Technology	07I008 Geographical Information Systems	5
44.	Information Technology	07I012 Neural and Fuzzy Logic Control	2
45.	Information Technology	07I004 Health Care Information Systems	7
46.	Information Technology	07I011 Satellite and Optical Communication	9
47.	Computer Applications	10CA90 E-Commerce	7
48.	Computer Applications	10CA98 Indian Economy	2
49.	Computer Applications	10CA87 Project Management	11
50.	Computer Applications	10CAR2 Object Classification in Images	1
51.	Computer Applications	10CA91 Management Information Systems	11
52.	Mechanical Engineering	07M028 Design of Aircraft Structure	2
53.	Mechanical Engineering	07M024 Design of Automotive Systems	1

Faculty Development / Welfare Measures

Organising / Attending Conferences

- National and International Conferences are conducted at regular intervals by all the Departments.
- Registration fee, TA & DA are granted to faculty for attending Conferences/ Seminars / Workshops / Faculty Development Programmes in India and abroad.
- Grant of registration fee and Interest - free loan for travel to attend International Conferences abroad are granted.

Research activities

- Members of faculty who pursue Ph D are permitted to avail leave for a period of 2 months with pay for completion of coursework, preparation and submission of the synopsis / thesis.
- The registration fee Rs.60,000/- for 3 years for each candidate is borne by the Management.
- Management grants 2.5% of the total project grant as incentive to the Principal Investigators of the sponsored research projects received from the various funding agencies.
- Faculty members are motivated to organize seminars/ workshops/ conferences in their area of research by getting grants from various funding agencies. Advance amounts are sanctioned against the funds expected from sponsoring agencies.

Teaching Learning

- Every year the College organizes an intensive Faculty Orientation Programme on Creative Learning Methodology and preparation of Lesson Plans for fresh recruits at the beginning of the year.
- Refresher Courses are conducted to the faculty members on Pedagogy
- Communication Skills training to the faculty members is conducted on need basis

Life Oriented Training

- The faculty members are encouraged to organize national/international conferences and the college supports to the maximum extent possible.
- Two-day workshop on Personality Effectiveness Programme (PEP) is conducted in coordination with trainers from Prasanna Trust, Bangalore, founded by Swami Sugabothananda for all the teaching and non-teaching members.
- 131 faculty members were sponsored to attend Personal Development programmes like Art of Living, Personal Effectiveness Program to lead a balanced, stress-free lifestyle.



BANNARI AMMAN INSTITUTE OF TECHNOLOGY
SATHYAMANGALAM – 638 401



BATCH VII Faculty list for Personal Effectiveness Programme (PEP) to be held on 8.9.12 & 9.9.12

S. NO	NAME	DESIGNATION	DEPARTMENT
1	Dr. VASANTHI N S	Prof. & Head	BIO-TECH
2	Dr. SUMITHRA M G	Prof.	ECE
3	Mr. SARAVANA MOORTHY P	ASST. PROF. -SR. GRADE	MATHS
4	Mr. RAJEEV R	ASST. PROF.	MECH
5	Mr. MAHESHKUMAR K	ASST. PROF.	MECH
6	Mr. NAGARAJA M	ASST. PROF.	MECH
7	Ms. MARAGATHA MEENATCHI S	ASST. PROF.	MECH
8	Mr. EZHIL ARASAN M	ASST. PROF.	ENGLISH
9	Mrs. KALAMANI M	ASST. PROF.	ECE
10	Mrs. KOTHAINAYAKI M	ASST. PROF.	CA
11	Mr. KUMARESAN T	ASST. PROF.	CSE
12	Ms. AMIRTHAM S	ASST. PROF.	CA
13	Ms. GETHA S	ASST. PROF.	MATHS
14	Ms. PRABHADEVI S	ASST. PROF.	EEE
15	Mr. CHANDRU N	ASST. PROF.	IT
16	Mr. ELANGO VAN S	ASST. PROF.	EEE
17	Mr. MATHESWARAN A	ASST. PROF.	EEE
18	Mr. SENTHILRAJA K	ASST. PROF.	EEE
19	Ms. SUGANYA S	ASST. PROF.	MATHS
20	Ms. ANUSUYA A	ASST. PROF.	PHYSICS
21	Mr. GURUNAGAPPAN S	ASST. PROF.	EEE
22	Mr. BHARANI KUMAR R	Associate Prof.	EEE
23	Mr. RAMESH A	ASST. PROF.	EEE
24	Mr. SUBRAMANIAN S	ASST. PROF.	ENGLISH
25	Mr. MAHESH V	ASST. PROF.	CIVIL
26	Mr. SAKTHIRAMKUMAR R	ASST. PROF.	CIVIL
27	Ms. PREETHA R	ASST. PROF.	CIVIL
28	Ms. GIRIJA VANUMATHI G	ASST. PROF.	CSE
29	Mr. SATHIS KUMAR K	ASST. PROF.	CSE
30	Ms. RASIKHA V	ASST. PROF.	CSE
31	Ms. VIJAYALAKSHMI S	ASST. PROF.	ECE
32	Ms. SOUNDARJ D V	ASST. PROF.	ECE
33	Ms. PRIYA S	ASST. PROF.	ECE
34	Ms. BHUVANESWARI S	ASST. PROF.	EEE
35	Mr. NANDHAKUMAR A	ASST. PROF.	EEE
36	Mr. MANIVANNAN S	ASST. PROF.	EEE
37	Mr. SURESH V	ASST. PROF.	EEE
38	Mr. ASHOKKUMAR R	ASST. PROF.	EEE
39	Mr. KURUSEELAN S	ASST. PROF.	EEE
40	Ms. GAYATHIRI S	ASST. PROF.	EEE

List of Teaching staff

S.No	Name - Teaching faculty PEP 16 th Batch - 6 & 7.07.2013	Designation	Department
1	Ms. MAHALAKSHMI M	ASST. PROF.	CIVIL
2	Mr. SATHYAKUMAR N	ASST. PROF.	CIVIL
3	Ms. THENMOZHI G	ASST. PROF.	CIVIL
4	Mrs. JAYANTHI V	ASST. PROF.	CIVIL
5	Mr. RAJENDRAN M	ASST. PROF.	CIVIL
6	Mr. ARAVINDHAN C	ASST. PROF.	CIVIL
7	Prof. RAMESH KUMAR T	ASSOC. PROF.	MECH
8	Mr. ARVU Y	ASST. PROF.	MECH
9	Mr. SUNDARRAJU G	ASST. PROF.	MECH
10	Mr. HARU CHEALVAN S	ASST. PROF.	MECH
11	Mr. RAMAKRISHNAN A	ASST. PROF.	MECH
12	Dr. SENTHEL KUMAR K L	PROFESSOR	MECHATRONICS
13	Ms. POOMANI K	ASST. PROF.	MECHATRONICS
14	Mr. CHINESH S K	ASST. PROF.	MECHATRONICS
15	Mr. MANIKANDAN S	ASST. PROF.	MECHATRONICS
16	Dr. KANNAN R	PROFESSOR	AERO. ENGG.
17	Mr. VISHNULINAR G C	ASST. PROF.	AERO. ENGG.
18	Mr. VASANTH SUDARSHAN P N	ASST. PROF.	AERO. ENGG.
19	Mrs. PRYITHRA M E S	ASST. PROF.	BIO-TECH.
20	Ms. ABUL ANTONY MARIA L	ASST. PROF.	BIO-TECH.
21	Mr. KULANDAI AROCKIA RAJESH PACKIAM	ASST. PROF.	BIO-TECH.
22	Mr. SUNDAR S	ASST. PROF.	EEE
23	Mr. LAKSHMANAN M	ASST. PROF.	EEE
24	Mrs. VIDHYA M	ASST. PROF.	EEE
25	Mr. SURESH M	ASST. PROF.	EEE
26	Ms. LAKSHMI K	ASST. PROF.	EIE
27	Mr. DANIELRAJ A	ASST. PROF.	ECE
28	Mr. SAJAN P PHILIP	ASST. PROF.	ECE
29	Ms. GOWTHAMI M	ASST. PROF.	ECE
30	Ms. SHRI THABANYAA J P	ASST. PROF.	ECE
31	Ms. KIRUTHIKA S	ASST. PROF.	ECE
32	Ms. JEEVITHA R	ASST. PROF.	ECE
33	Ms. JAYANTHI T	ASST. PROF.	ECE
34	Ms. SARANYA K	ASST. PROF.	ECE
35	Ms. GOWTHAMI A K	ASST. PROF.	ECE
36	Ms. SHALINI E	ASST. PROF.	ECE
37	Ms. SARANYA DEVI G	ASST. PROF.	ECE
38	Mr. RAMKUMAR R	ASST. PROF.	ECE
39	Ms. VIDHYA S	ASST. PROF.	ECE
40	Mrs. NANTHINI K A	ASST. PROF.	ECE
41	Ms. SURABHI S	ASST. PROF.	ECE
42	Ms. SIVARANJANI M	ASST. PROF.	CSE
43	Ms. RANIYA R	ASST. PROF.	CSE
44	Ms. SWATHIGAYATHINAVE D	ASST. PROF.	CSE
45	Ms. SURYA S	ASST. PROF.	CSE
46	Ms. JAYASREE R V	ASST. PROF.	CSE
47	Mrs. KANIMOZHI T	ASST. PROF.	CSE
48	Mr. BALAMURUGAN S	ASST. PROF.	CSE
49	Ms. SANGEETHA K	ASST. PROF.	CSE

BANNARI AMMAN INSTITUTE OF TECHNOLOGY, SATHYAMANGALAM - 638 401

List of Teaching staff

S.No	Name - Teaching faculty PEP 16 th Batch - 6 & 7.07.2013	Designation	Department
50	Ms. NANCY S.S	ASST. PROF.	CSE
51	Ms. AISWARYADEVI V J	ASST. PROF.	IT
52	Ms. BESSY MKURIAKOSE	ASST. PROF.	IT
53	Mr. ARUN SHALIN L V	ASST. PROF.	IT
54	Ms. KARTHIKAYINI T	ASST. PROF.	IT
55	Mr. SATHYABALAJI N	ASST. PROF.	IT
56	Ms. PRIYADHARSHINI K S	ASST. PROF.	IT
57	Ms. YAMINI E J	ASST. PROF.	IT
58	Ms. AYESHVARYYA T V	ASST. PROF.	TEXTILE
59	Mr. NITHYAPRAKASH V	ASST. PROF.	F.Tech.
60	Mrs. RENUKA M	ASST. PROF.	CA
61	Mrs. SUGANYA V	ASST. PROF.	CA
62	Mr. GOWTHAMRAJ K	ASST. PROF.	CA
63	Ms. RAMYA R	ASST. PROF.	CA
64	Mr. PRASANTH T	ASST. PROF.	CA
65	Mr. SHANGERGANESH L	ASST. PROF.	MATHS
66	Mr. PARTHIBAN V	ASST. PROF.	MATHS
67	Mr. SIVARAJ C	ASST. PROF.	MATHS
68	Dr. VENKATESH PERUMAL M	ASST. PROF.	CHEMISTRY
69	Mr. PRAKASH D	ASST. PROF.	PHYSICS
70	Mrs. RAMYA N	ASST. PROF.	ENGLISH
71	Mr. SETHURAMAN V	COUNSELLOR & TRAINER	T & P

Methods to Ensure Learning Outcomes**Classroom teaching**

- Class Monitoring Committee has been formed with experienced faculty members to evaluate teaching learning in the classrooms.
- Technical seminars are presented in a way, which enhances the communication skills and induces the research ideas in various fields.
- Assignments and innovative practice approaches are adopted in theory courses.
- Mini-projects, application oriented experiments are conducted in the laboratory courses for testing the understanding abilities of the students.
- Feedback about the theory and practical classes are collected after every periodical exam by conducting class committee meetings with the respective HOD, year coordinator and faculty members as chair persons.
- Monitoring of presence of students in class with online portal (CAMPS), through which absence of student for each hour is intimated to their parents via SMS facility.
- Conducting mentoring classes for slow learners and below average students.

Statutory Bodies

- Board of Studies (BoS) meetings are conducted twice in a year to review, revise / reframe curriculum and syllabus of each course as per the Programme Outcomes (PO).
- PEO and POs are reviewed in the Academic Council along with the results obtained in the various subjects.
- Overall results are analysed and discussed in the Governing Council meeting on regular basis.

Regulations, Evaluation and Examination Process

- Periodical Tests, Model Examination and Semester Examinations are conducted to test the understanding of the students on various subjects.
- Students Performance (14-Point) Indicators, which assess the student performance and active participation in various technical and non-technical activities.
- The course outcomes are mapped with the Programme Outcomes (PO) and Program Educational Objectives (PEO).

- Periodical question papers are framed based on the bloom's taxonomy and the course outcomes of the respective subjects.
- Conducting regular internal and also improvement examinations for the student's betterment.
- Periodical review and evaluation for project work.
- Question Paper Automation System for on-line tests
- Mini- projects, innovative assignments for effective learning.

List of Recognized research centres in the college for Ph.D. /M.S (by research)

The following departments of the college are recognized as Research Centres for offering Ph.D. and M.S. (By research) by Anna University, Chennai

1. Civil Engineering
2. Mechanical Engineering
3. Electrical and Electronics Engineering
4. Electronics and Communication Engineering
5. Computer Science and Engineering
6. Information Technology
7. Biotechnology
8. Textile Technology and Fashion Technology
9. Chemistry
10. English
11. Master of Computer Applications
12. Management Studies
13. Physics

Annexure 3.2

Experts visit during last Four Years

S. No	Date	Name of the Researcher	Affiliation	Area of Interaction
1.	03.09.10	Mr. P. Annamalai	CEO, Vectra Form Engg Service, Coimbatore	Project Exhibition
2.	03.09.10	Mr. K. Jayakumar	Sr Manager, Lakshmi Eletrical Control System, Arasur	Judge for Paper Presentation
3.	03.09.10	Mr. I .Nedumaran,	Chief Manager – Electrical, Neyveli Lignite Corporation, Neyveli	Inaugurated Students Project Exhibition
4.	04.09.10	Mr. K. Birlasekaran	Director, Ankit Equipments, Bangalore	Judging ProjectsFUTURA 2010
5.	04.09.10	Mr. A. Balakrishnan	Managing Director, Sri Krishna Techno Components, Coimbatore	METEORA 2010
6.	03.09.10	Dr. Saravana Kumar	Head, Plant Transformation, Rasi Seeds, Attur.	Judging ProjectsFUTURA 2010
7.	04.09.10	Mr. S. C. Sarkar	Vice President Larsen & Toubro, Coimbatore	Student Project exhibition & other events during Futura
8.	11.10.10	Dr. T. Thiyagarajan	Chairman, IEEE Madras Section	HDL Package
9.	14.09.10	Mr. G. Ravichandran	Dy General Manager, Lakshmi Electrical Systems Ltd, Coimbatore	Modern Drives in Industrial Applications
10.	30.09.10	Mr. Andy Mastronardi	Worldwide Director & North America Region, Freescale University Programs	Freescale Lab Inauguration
11.	10.12.10	Mr. S. Mohanasundram	Plant Manager, Umesh Pencils Private Limited, Pollachi	Consultancy Project Meeting
12.	07.02.11 to 08.02.11 & 27.01.11 to 28.01.11	Mr. M. Karunakaran	Chief Executive, Prime Engineering Services, Trichy	CNC Programming

S. No	Date	Name of the Researcher	Affiliation	Area of Interaction
13.	18.02.11 to 19.02.11, 07.06.11	Mr. Volker Schmid Mr. R. Joshi	Managing Director, Festo Controls, Bangalore	Explore the Possibilities for Establishing Automation Lab
14.	15.04.11	Mr. B. Kumaran	Manager - Engineering Solutions, Robert Bosch Engg & Business Solutions, Coimbatore	Conference on Optimization Techniques in Engineering Sciences and Technologies
15.	07.06.11	Mr. Hans Gerlach Erhard Dr. Juergen Van Der List	Former President of Esslingen University Consultant, Festo, Germany	Establishing of Centre for Industrial Automation and Mechatronics
16.	16.03.11 to 17.03.11	Mr. D. Manjunatha	Manager-Quality, Power Technology Division, ABB Limited Bangalore.	National Conference PCID'11- Inaugural Address
17.	21.04.11	Mr. M. Mohameed Naseer	Head-SBU Training, KEAS Control, Coimbatore.	SAEIE- Valediction
18.	15.07.11	Mr. Imamura Teriyaki	Director, M/S.Yokogawa India Limited, Chennai.	Yokogawa Process Simulator Performance
19.	29.07.11	Prof. David Barton	Head of School, School of Mechanical Engineering / University of Leeds, UK.	Academic / Research collaboration - BIT and Leeds University
20.	04.08.11	Mr. J. Balamurugan	Ex. Vice Chairman, CII Coimbatore Zone, Director, Unity Electro Systems	Computer Society of India
21.	25.08.11	Mr. T. Hariharasudhan	Centre Manager, Mazenet Solutions, Erode	Workshop
22.	26.08.11	Mr. Amit Chatterjee	Managing Director India & SAARC CA Technologies	Centre of Competency in CA Technologies
23.	09.09.11 to 10.09.11	Mr. G. D. Rajkumar	MD, Geedee Weiler, Coimbatore	METEORA 2011

S. No	Date	Name of the Researcher	Affiliation	Area of Interaction
24.	12.10.11	Ms. Deepti Arya	Villgro, Chennai	Villgro My IdeaContest
25.	14.10.11	1. Dr. S. Sujesh Sreedharan 2. Mr. Vijay Krishna, 3. Dr. Kumar Rajamani, 4. Mr. Aswin Prabhu,	1. Engineer- D, Shree Chitra Tirunal Institute of Medical Science & Technology, Trivandrum 2. Senior Engineer, R&D, Soliton Technologies, Bangalore 3. Research Engineer, GE Global Research, Bangalore. 4. Honey well Technologies, Bangalore	National Workshop on Intelligent Data Analytics and Image Processing
26.	19.12.11	Dr. Lal Tummala	Professor & Chair Dept.of Electrical & Computer Engineering, San Diego State University,CA,USA	BIT-San Diego State University,USA Interaction
27.	19.12.11 to 23.12.11	Mr. Wolfgang Eckart	Senior Expert, Automation and Mechatronics, FESTO Didactic GmbH Germany.	Mechatronics and Automation
28.	26.12.11 to 30.12.11	Dr. M. Lakshmanan Dr. P. Kandaswamy Dr. P. Kolandaivel Dr. P. K. Manoharan Prof. K. Smiles Mascarenhas Dr. H. Devaraj Dr. K. Natarajan Dr. K. K. Sharma Dr. V. Rajendran Dr. K. Veluthambi Dr. K. Balachandran Dr. E. Arunan Dr. G. P. Youvaraj Dr. V. K. Gaur Dr. Siva Umapathy Dr. T. J. Pandian	DST Recognized Scientists for INSPIRE Programme	INSPIRE Internship - Science Camp 2011
29.	11.01.12	Dr. Kingshuk Mukherjee	Saint Benedict College, Saint Johns' University	International Tie-up in Management Studies

S. No	Date	Name of the Researcher	Affiliation	Area of Interaction
30.	20.01.12	Mr. Sivaramakrishnan Senthatty Mr. Prashant Kumar Mr. B. Senthilkumar Dr. Kumar Rajamani	1. Global Practice Director – ITESTata Consultancy Services, Chennai. 2. Nihon Communication Solutions, Bangalore 3. Cisco CoE-Lead, TCS, Chennai 4. Research Engineer, GE Global Research, Bangalore	Workshop on Wireless Networks and Network Simulators WNNs 2012
31.	28.01.12	Mr. L. Gandhi	Assistant Professor, KPR School of Business, Coimbatore	Workshop on Perception of Reality
32.	17.02.12	Mr. Vinoth Vasudevan	Mazenet Solutions, Coimbatore	Workshop on Ethical Hacking
33.	18.02.12	Mr. C. Ram Kumar	Payoda Technologies Coimbatore	Workshop on Android – Mobile Apps
34.	27.02.12 to 05.03.12	Dr. R. Vidhya Priya	Associate Professor, PSG College of Technology, Coimbatore	Research Issues in Wireless Technology
35.	02.04.12 to 03.04.12	Dr. V. Vaidhei Dr. V. Shankar	Professor & Head, Department of Information Technology MIT, Chennai Vice President-Search MaxVal IP Service (P) Coimbatore	National Conference on Recent Trends in Information & Communication Technology
36.	28.05.12	Dr. P. Potluri	Head – Nonwoven Centre School of Materials University of Manchester UK	Interactive programmes and Collaboration
37.	25.06.12	Dr. Paul O Brien	Head – School of Materials University of Manchester UK	Interactive programmes
38.	18.07.12	Dr. K. Swaminathan	Professor & Head Department of Microbial Biotechnology, Bharathiar University, Coimbatore	Research Lecture
39.	25.07.12	Er. A. D. Thirumoorthi	Superintending Engineer TANGEDCO Coimbatore	Power Quality
40.	25.07.12	Er. A. D. Thirumoorthi	Superintending Engineer TANGEDCO, Coimbatore	Power Quality
41.	24.08.12	Team of Engineers	TNEB Engineers, Gobichettipalayam	Energy Conservation

S. No	Date	Name of the Researcher	Affiliation	Area of Interaction
42.	17.08.12	Ms. Joy Smitha	Philips Ltd., Coimbatore	Illumination Engineering
43.	27.08.12	Mr. M. Prakash	Siemens Switch gears	Recent trends in switch gears
44.	22.09.12	Mrs. S. P. Srivalli	Senior Engineer, Maintenance Titan Industries, Hosur	Titan Watches
45.	11.08.12	Mr. M. Shanmuga Kumar	Master of Design and Electronics systems IIT, Madras	System Design
46.	27.08.12	Mr. K. Dhandapani	Corporate Trainer Maze NET, Erode	Ethical Hacking
47.	03.09.12	Mr. Suresh Shanmugam	Manager Business Solutions Payoda Technologies Coimbatore.	International Convention cum Pre Conference Workshop
48.	17.09.12	Mr. Puneet Sharma	Trainer, Kyrion Digital Securities, New Delhi	Special Lecture
49.	19.09.12	Mr. K. Jayakumar	Free Lancer, Coimbatore	Special Lecture
50.	06.12.12	Mr. P. Raman	Ransys Bios, Chennai	Special Lecture
51.	11.12.12	Mr. Vishnu Prasath	CEO, Bright Bridge Infotech Pvt Ltd, Coimbatore	Special Lecture
52.	12.12.12	Mr. Vijay kumar	Cyprus infotech Coimbatore	Guest Lecture
53.	08.12.12	Mr. Hariharan	Abile Technologies, Coimbatore	Leader of the Week
54.	17.12.12	Mr. M. Sreevaleen,	Head - ICTS, Amrita Vishwa Vidyapeetham, Coimbatore	Leader of the Week
55.	04. 07.12	Dr. Arun Kumar	Director, Marketing and HR Bioages, Coimbatore	Leader of the Week
56.	18.07.12	Dr.K. Swaminathan	Professor & Head Department of Microbial Biotechnology, Bharathiar University, Coimbatore	Guest lecture
57.	20.07.12	Mrs. R. Poonkodi	Managing Partner Sunglow Biotech Coimbatore	Leader of the Week
58.	31.10.12	Mr. Philip Samuel	MD INDFRAG, Hosur	To execute MoU
59.	28.11.12	Mr. P. Sivasubramaniam	Assistant Director MSME, Coimbatore	Funding Opportunities
60.	28.11.12	Mr. S. Shivaprakash	Senior Director, Cross Woods Holidays, Voitto Consulting Services, Coimbatore	Motivation of faculty members

S. No	Date	Name of the Researcher	Affiliation	Area of Interaction
61.	05.12.12	Mr. V. Boopal Arasu	Manager (R & D)	Collaborative Research
62.	06.12.12	Mr. P. Raman	Ransys Bios, Chennai	Guest Lecture
63.	15.02. 13	Mr. Manish Bajpai	VP(Marketing), Shahi Exports, Bangalore	Fashdash'13
64.	21.01.13	Dr. Y. S. Rajan	Hon. Distinguished Professor, Department of Space, New Delhi	14th Futura
65.	01.03.13	Mr. Philip Samuel	CMD, Indfrag, Bangalore	Inauguration of National Seminar
66.	01.03.13	Mr. K. Raghunanandan	Joint General Manager, L&T, Coimbatore	Inauguration of National Conference
67.	13.03.13	Mr. E. R. Madhusoothanan	Senior Executive, Siemens, Coimbatore	Inauguration of National Conference
68.	04.03.13	Mr. S. Saravanakumar	Project Leader, Cognizant Technology Solutions, Coimbatore	Students Interaction
69.	15.03.13	Mr. R. M. Ramanujam	Chief Executive Officer, Super LED and High Energy Systems, Coimbatore	Inauguration of IEEE activities
70.	06.04.13	Dr. A. Sivathanu Pillai	Distinguished Scientist & Chief Controller, R&D, DRDO and CEO - BrahMos Aerospace, New Delhi	Faculty Interaction

Annexure 3.3

Conferences Organized during the last Four Years

S.No.	Name of the program	Date(s)	Resource person(s)
1.	National Seminar on Global Warming - Causes, Effects and Solutions	20.02.09 to 21.02.09	Mr. E. Ravindranath, CLRI, Chennai
			Dr. K. Muthuchelian Madurai Kamaraj University, Madurai
			Dr. M. P. Ramanujam Centre for PG Studies, Pondicherry
			Mr. N. K. Kuttiappan LVK Enviro Consultants, Chennai
			Mr. S. Ramasubramanian District Forest Officer, Sathyamangalam
2.	National Conference on Recent Trends in Information & Communication Technology	20.03.09	Ms. Maya Sreekumar Senior Manager – Projects CTS, Coimbatore
3.	National Seminar on Biotech Institute - Industry Interaction	03.04.09 to 04.04.09	Mr. Ravi Dasgupta, Biocon Limited, Bangalore
			Dr. K. Vijayachandra, IroxaBioscience, Bangalore
			Dr. K. Ramasamy, SRM University, Chennai
			Dr. J. Sooriya Kumar, Jubilant Biosys, Bangalore
			Mr. Pravin Gaval SPIC Pharmaceuticals, Cuddalore
4.	Advanced Computational Approaches in Biotechnology	22.01.10 to 23.01.10	Dr. Kshitish Acharya Institute of Bioinformatics and Applied Biology, Bangalore
			Dr. J. Sooriya Kumar Jubilant Biosys, Bangalore
			Dr. K. Sekar, Indian Institute of Science, Bangalore
			Dr. P. Gowtham, Anna University, Chennai
			Dr. Mahejibin Khan, CFTRI, Mysore
			Dr. H. Devaraj D.Sc, University of Madras, Guindy Campus, Chennai
5.	National Conference on Innovations in Information Technology	17.02.10	Dr. P. Jaganathan, Head, Department of Computer Applications, PSNA College of Engineering , Dhindugal

S.No.	Name of the program	Date(s)	Resource person(s)
6.	National Seminar on Biotech Institute - Industry Interaction	19.02.10 to 20.02.10	Mr. Madhav Y Joshi Avesthagen Limited, Bangalore
			Mr. Ramesh Kalyan, Cognizant Technology Solutions, Coimbatore
			Dr. Revathi, Shantha Biotechnics, Hyderabad
			Dr. Sundar Balakrishnan Harita Groups, Chennai
			Dr. V. Subramanian, Rasi Seeds (P) Ltd., Attur
			Dr. M. Durairajan Orchid Chemicals & Pharmaceuticals., Chennai
7.	National Conference on Optimization Techniques in Engineering Sciences and Technologies	25.03.10 to 26.03.10	Sri. K. Ravikumar, General Manager – R&D, MTD, Lakshmi Machine Works Ltd, Coimbatore
8.	National Conference on Recent Trends in Information and Communication Technology	09.04.10	Mr. M. Karuppusamy System Architect, Wipro Technologies, Bangalore
9.	National Conference on Optimization Techniques in Engineering Sciences and Technologies	15.04.10 to 16.04.10	Sri. K. Ravikumar, General Manager – R&D, MTD Lakshmi Machine Works Ltd, Coimbatore
10.	National Seminar on Heuristic Optimization Techniques for Engineering and Research Applications National Conference on Innovations in Information Technology	24.09.10 to 25.09.10	Dr. P. Jaganathan, PSNA College of Engineering , Dhindugal
			Dr. R. Thangarajan, Kongu Engineering College
			Dr. R. C. Suganthi, Kongu Engineering College
11.	National Seminar on Heuristic Optimization Techniques for Engineering & Research Applications	16.07.10 to 17.07.10	Dr. K. Paramasivam, Professor / ECE, BIT
			Dr. J. Raja Murugadoss Professor & Head / Civil, BIT
			Dr. K. Sivakumar, Professor / Mechanical, BIT
			Dr. R. Hari Kumar, Professor/ECE, BIT
			Dr. K. Premalatha, Professor/ CSE, BIT
			Dr. N. K. Karthikeyan Sri Krishna College of Engineering and Technology, Coimbatore

S.No.	Name of the program	Date(s)	Resource person(s)
12.	Food Technology - Progress and Prospects	09.10.10	Dr. S. Divakar, CFTRI, Mysore
			Dr. G. C. P. Rangarao, CFTRI, Mysore
			Dr. N. Shakila Banu Avinashilingam University for Women, Coimbatore
13.	National Seminar on Heuristic Optimization Techniques for Engineering and Research Applications National Conference on Innovations in Information Technology	24.02.11 to 25.02.11	Dr. P. Jaganathan, PSNA College of Engineering , Dhindugal
			Dr. R. Thangarajan, Kongu Engineering College
			Dr. R. C. Suganthi, Kongu Engineering College
			Mr. Kannimuthu, Sri Krishna College of Engineering and Technology, Coimbatore
			Dr. N. Arulanad, Evolutech Networks, Coimbatore
14.	National Seminar on Applications of Soft Computing in Medical Image Processing	04.03.11 to 05.03.11	Dr. K. A. Narayanan Kutty Amritha School of Engineering
			Dr. S. Valarmathi Professor & Head / ECE, BIT
			Dr. R. Harikumar, Professor / ECE - BIT
			Dr. S. Vijayachitra, Kongu Engineering College
			Dr. K. B. Jayanthi, K.S. Rangasamy College of Technology
15.	Fifth National Seminar on Biotech Institute Industry Interaction	18.03.11 to 19.03.11	Dr. Sheela Ramachandran Avinashilingam University for Women, Coimbatore
			Mr. K .N. Harsha Syngene International, Bengaluru
			Mr. M. L. Premnath, PALL Life Sciences, Bengaluru
			Dr. P. Balasubramanian, TNAU, Coimbatore
			Mr. P. Anandapadmanabhan Consortium Clinical Research Private Limited, Coimbatore, Mr. RameshKalyan
			Dr. K. Ruckmani Anna University of Technology, Tiruchirappalli, CTS, Coimbatore

S.No.	Name of the program	Date(s)	Resource person(s)
16.	Fourth National Conference on Recent Trends in Information & Communication Technology	08.04.11 to 09.04.11	Mr. Manickavasagam Raju, Assistant Manager, Project, Cognizant Technology Solutions, Coimbatore
			Mr. Madhan Kumar S, Infosys Technologies, Mysore
17.	National Conference on Recent Trends in Ubiquitous Computing & Communication Technology	17.09.11	Dr. G. Murugasen, HOD-ECE, KEC-Perundurai
			Dr. R. Asokan HOD-IT KEC- Perundurai
18.	National Workshop on Intelligent Data Analytics and Image Processing	14.10.11 to 15.10.11	Dr. S. Sujesh Sreedharan Shree Chitrai Tirunal Institute of Medical Science & Technology, Trivandrum
			Mr. Vijay Krishna, Senior Engineer, R&D, Soliton Technologies, Bangalore
			Dr. Kumar Rajamani, Research Engineer, GE Global Research, Bangalore.
			Dr. A. Wahi, Professor, Department of IT, BIT, Sathy
19.	National Seminar on Applications of Chromatography and Mass spectrometry in Biotechnology	21.12.11 to 22.12.11	Dr. Chandra raj, Associate Professor, Dept. of Biotechnology, IIT Madras
			Dr. Guhan Jayaraman, Dept of Biotechnology, IITM
			Dr. T. Shamla, CFTRI, Mysore
			Dr. S. Kumar, Director-R&D, Texbioscience, Chennai
			Dr. Arunkumar, MD, Bioages, Coimbatore
			Dr. Ashok Pandey, Head, Biotechnology Division, NIIST, Trivandrum
20.	National Seminar on Technical writing using LaTeX	07.01.12	Dr. P. Jaganathan, PSNA College of Engineering, Dhindugal
21.	National Seminar on Applied Computational Intelligence in Biometrics	13.01.12 to 14.01.12	Mr. R. Ramamurthy, Chairman, Cyber Society of India, Chennai.
22.	National Seminar on Smart Antennas in Fourth Generation Wireless Systems	20.01.12 to 21.01.12	Dr. Rajeswari, HOD/ECE, CIT
			Dr. B. Manimegalai, Thiagarajar College of Engineering

S.No.	Name of the program	Date(s)	Resource person(s)
23.	National Conference on Geosynthetics	03.02.12	Dr. J. Raja Murugadoss Mr. E. Tholkappiyan, BIT, Sathy
24.	National Conference on Innovations in Information Technology	17.02.12 to 18.02.12	Prof. S. Ayyasamy Tamilnadu College of Engineering, Coimbatore Dr. R. R. Rajalaxmi, Kongu Engineering College, Perundurai Dr. S. Malliga, Professor / CSE Kongu Engineering College
25.	National Seminar on Biotech Institute- Industry Interaction	09.03.12 to 10.03.12	Dr. S. Kumar Tex Biosciences, Chennai Dr. B. S. Sridhar, CFTRI, Mysore Dr. P. Gowtham Anna University, Chennai Mr. G. Raj Prakash Zifo Technologies, Chennai Dr. S. Arunkumar BioAges Innovations, Coimbatore
26.	International Convention cum Pre-Conference Workshop on Innovations in Engineering and Technology for Sustainable Development - Technology in Financial Institutions	03.09.12 to 05.09.12	Mr. K. Venkataraman - MD & CEO, KarurVysya Bank, Karur Mr. R. Shreekrishnan, Circle Business Manager, Axis Bank, Coimbatore. Mr. K. Vijayakumar, Exe Vice President & Regional-Head, Yes Bank, Chennai Mr. P. N. Mehrotra, DGM – Regional office, Bank of Baroda, Coimbatore.
27.	National Conference on Recent Trends in Information & Communication Technology	02.04.12 to 03.04.12	Dr. V. Vaidhei, Department of Information Technology, MIT, Chennai
28.	National Seminar on Cancer Classification using Micro Array Gene Expression Data	20.07.12 to 21.07.12	Mr. R. Balakrishna Raja, BIT Dr. B. Sathiyabhama Sona College of Technology, Salem. Dr. N. Jeyakumar, Bioinformatics, Bharathiar University, Coimbatore Dr. K. Thangavel, Periyar University, Salem Dr. S. Chitra, Principal Er. Perumal Manimekalai College of Engineering, Hosur

S.No.	Name of the program	Date(s)	Resource person(s)
29.	International Conference on Innovations in Engineering and Technology for Sustainable Development	03.09.12 to 05.09.12	Angela Dean, Professor & Head of School of Technology, University of Derby, UK S. Pichiah, Former President, Association of Consulting Civil Engineer R. Illangovan Executive Engineer, PWD, Coimbatore
30.	Recent Trends in Engines and after Treatment Systems for Automobile Applications	15.09.12	Mr. S. Karthikeyan, Manager - Engine Product Development, Ashok Leyland - Chennai
31.	National seminar on Knowledge Discovery in Microarray Gene Expression Data	19.10.12 to 20.10.12	Dr. K. Thangavel, Periyar University, Salem Dr. N. Jeyakumar Bharathiar University, Coimbatore Dr. B. Sathybhama Sona College of Technology, Salem Dr. J. Bagyamani Government Arts College, Dharmapuri Dr. A. Bharathi, IT/BIT Prof. R. Balakrishnaraja Dept of Biotechnology, BIT
32.	National seminar on Recent research Application of support vector machines	28.12.12 to 29.12.12	Dr. R. Kalaivani, IRTT Dr. J. Manikandan, PESIT, Bangalore
33.	National Seminar on Microbial Products in Diverse Sectors: Agriculture, Chemicals, Energy, Enzymes, Healthcare and Polymers	06.02.13 to 07.02.13	Dr. K. Swaminathan, Professor Dept. of Biotechnology Bharathiar University, Coimbatore Dr. T. Shamla, CFTRI, Mysore Dr. Srinivasan, Biochemistry Division, CFTRI, Mysore Dr. Guhan Jayaraman, Dept of Biotechnology, IITM, Chennai Dr. Arunkumar, MD, Bioages, Coimbatore Dr. S. Kumar, Director-R&D, Texbioscience, Chennai Dr. Ashok Pandey, Head, Biotechnology Division, NIIST, Trivandrum

S.No.	Name of the program	Date(s)	Resource person(s)
			Dr. Chandra raj, Associate Professor, Dept. of Biotechnology, IIT Madras, Dr. Jayabaskaran, Professor, Dept. of Biochemistry , Indian Institute of Science, Bangalore
34.	National Conference on Innovations in Information Technology	21.02.13 to 22.02.13	Dr. R. C. Suganthi Kongu Engineering College, Perundurai Dr. R. V. Nataraj, BIT Dr. K. Premalatha, BIT Mr. M. Gunasekaran, BIT Mr. Kannimuthu, Sri Krishna College of Engineering and Technology, Coimbatore
35.	National Seminar on Biotech Institute -Industry Interaction: Impact of Biotechnology on Human Welfare	01.03.13 to 02.03.13	Mr. Philip Samuel, Indfrag, Bangalore Mr. K. G. Nithyananth VWR Lab Products, Coimbatore Dr. S. N. Sivvaswaamy SynkroMax Biotech, Chennai Dr. Sateesh Kumar, SPC Biotech, Hyderabad
36.	National Conference on Recent Trends in Information & Communication Technology	12.04.13 to 13.04.13	Mr. G. S. Gerajvinny Rajesh Project Manager Payoda Technologies, Coimbatore Mr. Pradeep Gwalani V.P., Software Development, Impiger Technologies, Coimbatore
37.	National Conference On Innovations in Apparel Manufacture Quality and Management	22.10.13 to 23.10.13	Ms. M. Bharani Mr. V. Thilak Mr. T. Ganesan, BIT
38.	National Conference on Innovations in Information Technology	27.02.14 to 28.02.14	Dr. D. Sasikala Ms. S. Logeswari Ms.D. Sasikala, BIT
39.	National Conference on Signals Systems and Security	27.02.14 to 28.02.14	Dr. P. Sampath Mr. S. Elango

List of Supervisors and Number of Scholars guided

S.No.	Faculty	Department	No. of scholars
1.	Dr. K. Subramanian	Biotechnology	2
2.	Dr. G. S. Murugesan	Biotechnology	4
3.	Dr. B. A. Gowri Shankar	Biotechnology	2
4.	Dr. Arunava Das	Biotechnology	1
5.	Dr. K. P. Kannan	Biotechnology	4
6.	Dr. N. Arunachalam	Civil Engineering	4
7.	Dr. A. M. Natarajan	Computer Science and Engineering	22
8.	Dr. P. Thangaraj	Computer Science and Engineering	18
9.	Dr. K. Premalatha	Computer Science and Engineering	11
10.	Dr. N. Arunachalam	Civil Engineering	4
11.	Dr. C. Palanisamy	Information Technology	10
12.	Dr. Amitabh Wahi	Information Technology	10
13.	Dr.P.Sengottuvelan	Information Technology	12
14.	Dr.D. Sharmila	Electronics and Instrumentation Engineering	12
15.	Dr. G.M.Tamilselvan	Electronics and Instrumentation Engineering	4
16.	Dr. R. Bharanikumar	Electrical and Electronics Engineering	7
17.	Dr. A.Jeevanandham	Electrical and Electronics Engineering	4
18.	Dr. S. Valarmathy	Electronics and Communication Engineering	11
19.	Dr. R. Harikumar	Electronics and Communication Engineering	11
20.	Dr. M. G. Sumithra	Electronics and Communication Engineering	2
21.	Dr. C. Ganesh Babu	Electronics and Communication Engineering	3
22.	Dr. M. L. N. Madhi Mohan	Electronics and Communication Engineering	2
23.	Dr. P. Sampath	Electronics and Communication Engineering	6
24.	Dr. S. M. Ramesh	Electronics and Communication Engineering	1
25.	Dr. Sanjoy Deb	Electronics and Communication Engineering	1
26.	Dr K. Sivakumar	Mechanical Engineering	10
27.	Dr. V.Baskaran	Mechanical Engineering	4
28.	Dr. S. Jegadheeswaran	Mechanical Engineering	1
29.	Dr. D. Saravanan	Textile and Fashion Technology	10
30.	Dr. R. Perumal Raj	Textile and Fashion Technology	6

S.No.	Faculty	Department	No. of scholars
31.	Dr. K. Sadasivam	Physical Sciences	2
32.	Dr. R. Jayaprakasam	Physical Sciences	1
33.	Dr. P. S. Vijayanand	Physical Sciences	4
34.	Dr. V. Thiyagarajan	English	5
35.	Dr. B. Nagarajan	Computer Applications	5
36.	Dr. S. Murugappan	School of Management Studies	2
37.	Dr. J. Ashok	School of Management Studies	7

Total: 225

Annexure 3.5

Projects Undertaken in the last Four Years

S. No	Department	Principal Investigator	Funding Agency	Period	Title of the Project / Event	Amount (Rs Laks)
1.	Electronics & Communication Engg	Dr. R. Harikumar	DRDO, New Delhi	2009-10	A Detailed study on Wavelet Networks for Epilepsy Risk Levels Classifications for EEG Signals	3.8
2.	Mechanical Engg	Dr. N. Natarajan	AICTE, New Delhi	2008-10	Development of Aluminium Matrix Composite Brake Drum for Automotive Applications	9.9
3.	Textile Technology	Dr. D. Saravanan	AICTE, New Delhi	2008-10	Combined Plasma-Enzyme Treatment for Preparation of Cotton Fabrics	4.4
4.	Mechanical Engg	Dr. N. Natarajan	DRDO, New Delhi	2009-10	Studies on the Wear Behaviour of Squeeze Cast Al/SiC Composites Sliding Against Automobiles Friction Material	3.7
5.	Biotechnology	Dr. K. Subramanian	DBT, New Delhi	2008-11	Synthesis of new polymer drug carriers and correlation of polymer structure with drug release efficacy	14.6
6.	Electronics & Communication Engg	Dr. Madhu Mohan	DST, New Delhi	2010-11	Design of novel achiral liquid crystal exhibiting ferroelectric phase Unspent amount	1.9
7.	Computer Applications	Dr. B. Nagarajan	AICTE, New Delhi	2009-12	An Analysis on Vehicle Classification using various feature Extraction Methods.	4.6

S. No	Department	Principal Investigator	Funding Agency	Period	Title of the Project / Event	Amount (Rs Laks)
8.	Mechanical Engg	Dr. R. Saravanan	DSIR, New Delhi	2010-12	Training of women in Desk Top Publishing Package and Accountancy Tally Software	4.1
9.	TBI	Dr. A. Shanmugam & Manager - TBI	MSME, New Delhi	2009-12	Supporting of Incubatees for Product Development	24.0
10.	Mechanical Engg	Dr. K. Sivakumar	AICTE, New Delhi	2009-12	Remote Analyses of EDM performance	10.0
11.	Textile Technology	Dr. R. Perumal Raj	DRDO, New Delhi	2010 -12	Nanosilver Coated Conductive Composite Materials for EMC	7.4
12.	Civil Engg	Dr. N. Arunachalam	AICTE, New Delhi	2010-12	Development of Economical and Durable Concrete Building Block	4.5
13.	Mechanical Engg	Mr. A. Amar Karthick	AICTE, New Delhi	2010-12	Design, Development and Testing of Novel Double Power Take off System for Ocean Wave Energy Conversion	8.3
14.	Information Technology	Dr. A. Wahi	AICTE, New Delhi	2010-12	Moments and Fourier Descriptors Based 2D Invariant Object Recognition	3.5
15.	Electrical & Electronics Engg	Dr. R. Harikumar	AICTE, New Delhi	2010-12	FGPA Implementation of Wavelet Networks for Epilepsy Risk Level Classification from EEG Signals	5.0
16.	Computer Sci & Engg	Dr. P. Thangaraj	AICTE, New Delhi	2011-12	Utility Based Cloud Mining in Social Application	6.0
17.	Fashion Technology	Dr. D. Saravanan	DBT, New Delhi	2011-13	Scale-up Process of Single Stage process for preparation and	4.9

S. No	Department	Principal Investigator	Funding Agency	Period	Title of the Project / Event	Amount (Rs Laks)
					finishing of cotton fabrics using enzymes	
18.	Electronics & Comm	Dr. A. Shanmugam	AICTE, New Delhi	2011-13	Design of Printed Dipole Antennas for UHF-RFID Reader in Stock Control	8.1
19.	Computer Sci & Engg	Dr. P. Thangaraj	AICTE, New Delhi	2012-13	Establishment of Cloud Computing Lab	6.5
20.	Textile Technology	Dr. D. Saravanan	AICTE, New Delhi	2012-13	MODROBS - Weaving Laboratory	14.7
21.	Textile Technology	Dr. D. Saravanan	AICTE, New Delhi	Dec 08 - Dec 10	Combined Plasma-Enzyme Treatment for Preparation of Cotton Fabrics	4.35
22.	Mechanical Engg	Mr. A. Amar Karthick	AICTE, New Delhi	2010-12	Design, Development and Testing of Novel Double Power Take off System for Ocean Wave Energy Conversion	8.30
23.	Information Technology	Dr. A. Wahi	AICTE, New Delhi	2010-12	Moments and Fourier Descriptors Based 2D Invariant Object Recognition	3.50
24.	Textile Technology	Dr. D. Saravanan	DBT, New Delhi	2010-11	Scale-up Process of Single Stage process for preparation and finishing of cotton fabrics	4.93
25.	Civil Engg	Dr. N. Arunachalam	AICTE, New Delhi	2010-12	Development of Economical and Durable Concrete Building Block	4.50

Total: 175.48Lakhs

Journals Seeking Review Assistance from the Faculty Members

S. No.	Name	Name of the Journal
1	Dr. G. S. Murugesan	The Journal of Hazardous Materials
2	Dr. G. S. Murugesan	Biotechnology Advances
3	Dr. G. S. Murugesan	Bioremediation Journal
4	Dr. G. S. Murugesan	Desalination and Water Treatment
5	Dr. G. S. Murugesan	Biomedical Research International
6	Dr. Arunava Das	Journal of Toxicology and
7	Dr. Arunava Das	International Journal of Microbiology
8	Dr. Arunava Das	African Journal of Pharmacy and
9	Dr. Arunava Das	Malaysian Journal of Biotechnology
10	Dr. P.Thangaraj	International Journal of Engineering and
11	Dr. P.Thangaraj	International Journal of Research in
12	Dr. K. Premalatha	Journal of Computer Science
13	Mrs. Evelyn Brindha	IET Biometrics
14	Mrs. Evelyn Brindha	Journal of Biometrics and Biostatistics
15	Dr. B. Nagarajan	International Journal of Computer and
16	Dr. B. Nagarajan	Engineering International Journal of
17	Dr. B. Nagarajan	International Journal of Engineering and
18	Dr. B. Nagarajan	Engineering Letters
19	Dr. B. Nagarajan	Journal of Convergence Information
20	Dr. B. Nagarajan	International e-Journal of Mathematics
21	Dr. B. Nagarajan	International Journal of Computer
22	Dr. B. Nagarajan	International Journal of Research and
23	Dr. B. Nagarajan	Coimbatore Institute of Information
24	Dr. B. Nagarajan	International Journal of Computer
25	Dr. B. Nagarajan	MAEJO International Journal of Science
26	Dr. B. Nagarajan	International Journal of Modeling and
27	Dr. B. Nagarajan	Journal of Computer Applications
28	Dr. B. Nagarajan	Journal of Biometrics & Biostatistics

S. No.	Name	Name of the Journal
29	Dr. B. Nagarajan	ICTACT Journal of Image and Video
30	Dr. B. Nagarajan	International Journal of Research in
31	M. Gunasekaran	IET Information Security
32	M. Gunasekaran	International Journal on Computer
33	Dr. S. M. Ramesh	Circuit systems and signal processing
34	Dr. S. M. Ramesh	Journal of computer Science
35	Dr. S. M. Ramesh	International Journal of Material Science
36	Dr. S. M. Ramesh	International Journal of Signal Processor
37	Dr. S. M. Ramesh	Journal of Communications
38	Dr. P. Sampath	Applied Computational Electromagnetic
39	Dr. G. M. Tamilselvan	International J of Communications,
40	Dr. Lakshmi Narayana	Phase Transitions
41	Dr. Lakshmi Narayana	Carbohydrate Research
42	Dr. Lakshmi Narayana	Journal of Thermal Analysis and
43	Dr. Lakshmi Narayana	Journal Physics and Chemistry of Solids
44	Dr. Lakshmi Narayana	Infrared Physics and Technology
45	Dr. Lakshmi Narayana	Journal of Molecular Structure
46	Dr. Lakshmi Narayana	Langmuir
47	Dr. Lakshmi Narayana	Metallurgical and Material Transactions
48	Dr. Lakshmi Narayana	Physical Review E
49	Dr. Lakshmi Narayana	Journal Hazardous Materials
50	Dr. T V P Sundararajan	Journal of Network and Application
51	Dr. T V P Sundararajan	Journal of Wireless Networks
52	Dr. T V P Sundararajan	Journal of Computer Science
53	Dr. C. Ganesh Babu	Springer Lecture series in Electrical
54	Dr. C. Ganesh Babu	IETE Journal
55	Dr. C. Ganesh Babu	Springer Signal, Image and Video
56	Dr. C. Ganesh Babu	Songklanakarin J. Sci. Technol. Thailand
57	Dr. M. G. Sumithra	International Journal of Information and
58	Dr. M. G. Sumithra	Signal and Image Processing

S. No.	Name	Name of the Journal
59	Dr. M. G. Sumithra	International journal of VLSI Design and
60	Dr. M. G. Sumithra	International Journal of Research in
61	Dr. M. G. Sumithra	International Journal of Computed
62	Dr. R. Harikumar	National Journal of Engineering
63	Dr. R. Harikumar	Signal, Image and Video processing
64	Dr. R. Harikumar	Springer Lecture Series in Electrical
65	Dr. R. Harikumar	International Journal of Soft Computing
66	Dr. R. Harikumar	Songklanakarin J. Sci. Technol. Thailand
67	Dr. R. Harikumar	African Journal of Biotechnology
68	Dr. R. Harikumar	IEEE International conference on IT
69	Dr. R. Harikumar	Journal of Applied Mathematics
70	Dr. S. Valarmathy	International journal on Integrating
71	Dr. S. Valarmathy	ICTACT Journal on Image and Video
72	Dr. S. Valarmathy	Arabian Journal for Science and
73	Dr. S. Valarmathy	International Journal of Computer
74	Dr. S. Valarmathy	International Journal of Game Theory
75	Dr. P. Sampath	International Journal of Imaging Systems
76	Dr. P. Sampath	Journal of Advanced Computational
77	Dr. S. U. Prabha	EURASIP Journal on Advances in Signal
78	Dr. S. U. Prabha	International Journal of Computer and
79	Dr. S. U. Prabha	National Journal of Technology,
80	Dr. S. U. Prabha	Pearson Education—Book reviewer
81	Dr. A. Jeevanandham	International Journal of Vibration and
82	Dr. A. Jeevanandham	International Journal of Automation and
83	Dr. A. Jeevanandham	International Journal of Electric power
84	Dr. R. Senthil Kumar	Journal of Electrical Engineering and
85	Dr. R. Senthil Kumar	IET Renewable Power Generation
86	Dr. R. Senthil Kumar	Cathey Electric Power Components and
87	Dr. R. Senthil Kumar	Science Publications, USA
88	Mr. P. Sivaraman	IET Power Electronics

S. No.	Name	Name of the Journal
89	Mr. P. Sivaraman	Journal of Electrical Engineering &
90	Mr. P. Sivaraman	Computers & Electrical Engineering
91	Mr. P. Sivaraman	British Journal of Applied Science &
92	Dr. K. Sivakumar	The International Journal of Advanced
93	Dr. K. Sivakumar	Journal of Manufacturing Technology
94	Dr. S. Jegadheeswaran	Energy
95	Dr. S. Jegadheeswaran	Applied Energy
96	Dr. S. Jegadheeswaran	Applied Mathematical Modeling
97	Dr. S. Jegadheeswaran	Energy Conversion & Management
98	Dr. S. Jegadheeswaran	International Journal of Thermal
99	Dr. S. Jegadheeswaran	Clean – Air Soil Water
100	Dr. S. Jegadheeswaran	International Journal of Sustainable
101	Dr. S. Jegadheeswaran	Heat Transfer Engineering
102	Dr. S. Jegadheeswaran	International Journal of Ambient Energy
103	Dr. S. Jegadheeswaran	Proceedings of IEEE
104	Dr. S. Jegadheeswaran	Recent Patents on Chemical Engineering
105	Dr. S. Jegadheeswaran	Journal of Renewable and sustainable
106	Dr. S. Jegadheeswaran	African Journal of Agricultural Research
107	Dr. A. Amarkarthik	IET Renewable Energy Generation
108	Dr. V. C. Uvaraja	Journal of Mechanical Science and Technology
109	Dr. K. L. Senthilkumar	Science and Engineering Materials
110	Dr. K. L. Senthilkumar	International Journal of Modeling,
111	Dr. V. N. Vijayakumar	Phase Transitions
112	Dr. R. Jayaprakasam	International Journal of Pharma and
113	Dr. V. N. Vijayakumar	International Journal of Phase
114	Dr. Malathi	International Journal of Physical Sciences
115	Dr. M Malathi	Structural Chemistry Communications
116	Dr. D. Saravanan	Journal of Engineered Fibers and Fabrics
117	Dr. D. Saravanan	Journal of Industrial Textiles



S. No.	Name	Name of the Journal
118	Dr. D. Saravanan	Textile Research Journal
119	Dr. D. Saravanan	Natural Products and Resources
120	Dr. D. Saravanan	Journal of Applied Polymer Science
121	Dr. D. Saravanan	Fibers and Polymers
122	Dr. D. Saravanan	Journal of Hazardous Materials
123	Dr. D. Saravanan	International Journal of Biological
124	Dr. D. Saravanan	Carbohydrate Polymers
125	Dr. D. Saravanan	Starch
126	Dr. D. Saravanan	Journal of Plasma Science and
127	Dr. D. Saravanan	Cellulose
128	Dr. D. Saravanan	Process Biochemistry
129	Dr. D. Saravanan	Journal of Material Science
130	Dr. D. Saravanan	Journal of Textile Association
131	Dr. D. Saravanan	Scientific Research and Essays
132	Dr. R. Perumal Raj	Textile Research Journal
133	Dr. R. Perumal Raj	Journal of Synthetic Metals
134	Dr. R. Perumal Raj	Journal of Industrial Textiles
135	Dr. R. Perumal Raj	Journal of Electromagnetic Waves and
136	Dr. R. Perumal Raj	Progress in Electromagnetic Research
137	Dr. R. Perumal Raj	Computer Methods in Applied
138	Dr. R. Perumal Raj	Advances in Polymer Technology
139	Dr. R. Perumal Raj	Journal of Materials Engineering and
140	Dr. R. Perumal Raj	The Journal of the Textile Institute
141	Dr. R. Perumal Raj	Indian Journal of Fibre and Textile
142	Dr. R. Perumal Raj	Journal of Reinforced Plastics and
143	Dr. R. Perumal Raj	Fibres and Textiles in Eastern Europe
144	Dr. R. Perumal Raj	Fibers and Polymers
145	Dr. A. Venkatachalam	Institution of Engineers

Activities of National Cadet Corps / National Service Scheme / Youth Red Cross

1. Thal Sainik Camp (TSC) for 10 days from 21-05-2013 to 30-05-2013 at Kandasamy Kandar's College, Paramathivelur - 1 cadet attended the camp.
2. Combined Annual Training Camp (CATC) for 10 days from 17.06.2013 to 26.06.2013 at Government College Technology, Coimbatore - 48 cadets attended the camp.
3. Independence Day was celebrated and parade was conducted on 15.08.2013. Principal hoisted the national flag and delivered the Independence Day address.
4. Combined Annual Training Camp (CATC) for 10 days during 5.12.2013 to 14.12.2013 at RVS College of Arts & Science, Coimbatore - 6 cadets attended the camp.
5. National Integration Camp, Udaipur, Rajasthan for 12 days from 01.12.2013 to 12.12.2013 at Sir Padampat Singhania University, Udaipur - Lt. Kalil Rahiman (ANO) and 5 cadets attended the camp.
6. Weapon Training using Light Machine Gun (LMG) was organized in PSG College of Arts and Science Coimbatore during 21.02.2014 to 22.02.2014.
7. Weapon Training using Light Machine Gun (LMG) was organized in PSG College of Arts and Science, Coimbatore during 04.02.2014 to 05.02.2014.
8. Joint Rifle Shooting Camp was organized at PSG College of Arts and Science, Coimbatore on 20.02.2012
9. Joint Rifle Shooting Camp was organized at Coimbatore Institute of Technology on 08.02.2012
10. 99 students participated in the Blood Donation Camp organized by NSS and donated 209 Units of blood during June - Dec 2013.
11. N Dinakaran, IV year Electrical and Electronics, M Poopathy, IV year Civil were awarded the "Best Emergency Blood Donors" by Tamil Nadu State Blood Transfusion Council and Tamil Nadu State Aids Control Society in the Erode District, Tamil Nadu on 24.07.2013.
12. NSS Advisory Committee include representatives from local communities Mr N Panbin Selvan, Head Master of Government School, Modhur, Mr C Natarajan, Secretary of Sudar Organisation, Sathyamangalam and Mr A Arunachalam, Member of Sudar Organisation participated as the External Members.

13. International Youth Day was celebrated on 13.08.2013 in Boys Higher Secondary School, Vadakupettai and Girls Higher Secondary School, Sathyamangalam. Mr T Ponnusamy, Assistant Educational Officer presided.
14. 67th Independence Day was celebrated on 15.08.2013 in the Modhur School, Village President Mr. Chinrasu and Parents Teachers Association Head Mr. Munsamy attended the function. Debate, speech competition and cultural programmes were conducted for the school students.
15. Seminar on Science, Adventures and Defense was organized on 15.08.2013 in BIT. Dr. S. Krishna Kumar, Defence Research and Development Organisation participated as the Chief Guest.
16. NSS Volunteers extended their support for the smooth conduct of TNPSC Examinations in BIT on 25.08.2013.
17. Campaign on Blood and Organ Donation and 4R (Reduce, Reuse, Recycle, Refuse) concept was organised from 03.09.2013 to 04.09.2013. Dr. Kiran, Eye specialist, Sankara Eye Foundation and his team participated as the Special Guests. Organ Donation Awareness was also conducted during this period and 436 persons registered for Eye Donation.
18. First Aid Day was organized to create an awareness on First Aid for major injuries and Critical Situations were displayed in the corridors of the college on 14.09.2013.
19. Organized a seminar on Drug Abuse and Illicit Trafficking on 17.12.2013. Mr. Sasikumar, Vice-President, Vasan Eye Care, Mr.R.T.Muthumanickam, DSP of Sathyamangalam, Mr.Jayasekaran Pillai, NLP Master, Mrs.Gayathri, NLP Trainer and Ms Rose Mary, NLP Coordinator were the chief guests.
20. NSS organized a Trekking Event, jointly with Forest Guard of Sathyamangalam Reserve Forest and Police Department of Sathyamangalam on 22.12.2013. Mr R T Muthumanickam, DSP of Sathyamangalam participated as the Special Guest and addressed the tribal people of Aasanur.
21. NSS Annual Camp was organized during 28.01.2012 to 03.02.2012.
22. NSS organized an Awareness Rally on Drug Abuse and Illegal Trafficking on 11.06.2011.
23. Youth Red Cross volunteers organized Tree Plantation Programme during 24.02.2012.
24. YRC organized the Road Safety Awareness Programme on 11.01.2012.

Sample time-table for remedial coaching classes for the students who do not perform well in the tests and final examinations


BANNARI AMMAN INSTITUTE OF TECHNOLOGY
SATHYAMANGALAM


Circular No.3/Maths/2011-2012 Dt. 07.01.2012

CIRCULAR

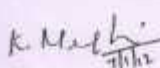
The Department of Mathematics is conducting Special Classes for the Students who are going to appear for the supplementary examination in Engineering Mathematics III and Numerical Methods. The students may be advised to attend the classes regularly after meeting the faculty concerned. Attendance is compulsory.

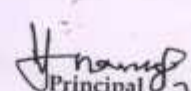
Classes start on 09. 01. 2012 (Every Monday, Wednesday, Friday) in IB Block.

Engineering Mathematics III - 4.20 p.m - 5.20 p.m

Numerical methods for IT V Sem - 4.20 p.m - 5.20 p.m

S.No:	Branch	Faculty	Hall No.
1	AERO, CSE	V.R.Vinothini	IB101
2	CIVIL	M.Parimala, K.Prabhavathi	IB102
3	MECH - B	P.Saravanamoorthy	IB103
4	EEE	D.Jayanthi, C.Indirani	IB105
5	IT	P.Gunasekaran	IB106
6	MECH-A, EIE	R.Sathishkumar	IB107
7	ECE, TXT	A.Nithyakalyani	IB108
8	IT (V sem)	B.Kalaivani	IB109


HOD /C Mathematics


Principal

Copy to:

1. All HODs -with a request to circulate it among the students of their departments.
2. To be read in all classes
3. All Notice Boards
4. Department File
5. Principal's Table.

Copy submitted to the Director for kind information
 Copy submitted to the Chief Executive for kind information



**BANNARI AMMAN INSTITUTE OF TECHNOLOGY
SATHYAMANGALAM**



Circular No.1/Maths/2012-2013

Dt. 16.06.2012

CIRCULAR

The Department of Mathematics is conducting Special Classes for the Students who are going to appear for the supplementary examination in Mathematics IV. The students may be advised to attend the classes regularly after meeting the faculty concerned. Attendance is compulsory.

Classes start on 18.06.2012.

Days : Monday-Thursday

Time - 4.15 p.m - 5.30 p.m

S.No.	Branch	Faculty	Subject	Hall No.
1	AERO	Ms.S.Geetha	Numerical Methods	IB102
2	CIVIL A B	Ms.B.Kalaivani Ms.S.Krishnaveni	Numerical Methods	IB103
3	MECH A B	Ms.T.Tulasimari Ms.V.R.Vinothini	Numerical Methods	IB105
4	EEE&EIE	Ms.C.Indirani	Numerical Methods & OR	IB108
5	CSE A B	Mr.P.Gunasekaran Mr.R.Sathishkumar	Probability and Queuing Theory	IB109 IB110
6	IT A B	Ms. S.Suganya Ms.K.Sugapriya	Probability and Statistics (071401)	IB107 IB 111
7	TXT	DR.M.Parimala	Probability and Statistics (071401)	IB106

K. Math
HOD i/c Mathematics

Principal
16/6/12.

Copy to:

1. All HODs -with a request to circulate it among the students of their departments.
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Copy submitted to the Director for kind information

Copy submitted to the Chief Executive for kind information



BANNARI AMMAN INSTITUTE OF TECHNOLOGY
SATHYAMANGALAM



Circular No.2/Maths/2012-2013

Dt. 19.06.2012

CIRCULAR

The Department of Mathematics is conducting Special Classes for the Students who are going to appear for the supplementary examinations in Engineering Mathematics II. The students may be advised to attend the classes regularly after meeting the faculty concerned.

Classes start on 20.06.2012 at 4.15 pm in IB Block.

S.No	Branch and Class	Faculty	Hall No
1	Mech A, B EEE A, B	V.R.Vinothini	IB 112
2	Aero CSE A	P.Saravanamoorthi	IB 113
3	Civil A EIE ECE	P.Geetha	IB 114
4	Civil B BT CSE B	D.Jayanthi	IB 115
5	IT A, B FT	K.Prabhavathi	IB 111
6	TT	K.Megalai	IB 101

K. Megalai
HOD i/c Mathematics

Principal
19/6/12

Copy to:

1. All Deans and HODs -with a request to circulate it among the students of their departments.
2. All Notice Boards
3. Principal's Table
4. Department File

Copy submitted to the Director for kind information
Copy submitted to the Chief Executive for kind information



Circular No.1/ Maths / 2014

Date: 11.01.2014

CIRCULAR

The Department of Mathematics is conducting Special Classes for the Students who are going to appear for the supplementary examination in Engineering Mathematics III and Numerical and Statistical Methods. The students may be advised to attend the classes regularly after meeting the faculty concerned. Attendance is compulsory.

Classes start on 17.01.2014 in IB Block.

Time : 4.15 p.m - 5.15 p.m

S.No.	Branch	Faculty	Hall No.
1	AERO, Civil A & B	Ms.V.R.Vinothini, Ms.B.Kalaivani, Ms K. Sugapriya	IB 109
2	MECH A, B & C	Mr.P.Gunasekaran, Dr.M.Parimala, Dr.V.Parthiban	IB 110
3	EEE A & B, EIE	Ms.D.Jayanthi, Ms. C.Indirani	IB 111
4	ECE A, B & C	Ms.K.Prabhavathy, Ms S. Suganya, Dr. C. Sivaraj	IB 112
5	CSE A, B & C	Dr.T.Tulasimani, Ms S.Krishnaveni	IB 113
6	IT A, B & Mechatronics	Dr.P.Geetha, Ms S. Geetha	IB 114
7	TT & FT	Mr.K.Prakash, Ms.D.Umamaheswari	IB 115
8	IT (V sem)	Ms S.Krishnaveni	IB 113
9	MCA	Mr.P.Saravanamoorthy, Mr.R.Sathish Kumar	IB 116

K. Megalai
(Dr.K.Megalai) 11/1/14

HOD Mathematics

N. D. Sathish Kumar
Principal

Copy to:

1. All HODs -with a request to circulate it among the students of their departments.
2. To be read in all classes
3. All Notice Boards
4. Principal's Table

Copy submitted to the Chairman / Trustee / Chief Executive for kind information



**BANNARI AMMAN INSTITUTE OF TECHNOLOGY
SATHYAMANGALAM**

Ph : 04295-226000 E-mail : bltsathy@bannari.com



Circular No.1/ Maths / 2014

Date: 11.01.2014

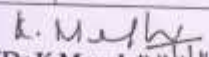
CIRCULAR

The Department of Mathematics is conducting Special Classes for the Students who are going to appear for the supplementary examination in Engineering Mathematics III and Numerical and Statistical Methods. The students may be advised to attend the classes regularly after meeting the faculty concerned. Attendance is compulsory.

Classes start on 17.01.2014 in IB Block.

Time : 4.15 p.m - 5.15 p.m

S.No:	Branch	Faculty	Hall No.
1	AERO, Civil A & B	Ms.V.R.Vinothini, Ms.B.Kalaivani, Ms K. Sugapriya	IB 109
2	MECH A, B & C	Mr.P.Gunasekaran, Dr.M.Parimala, Dr.V.Parthiban	IB 110
3	EEE A & B, EIE	Ms.D.Jayanthi, Ms. C.Indirani	IB 111
4	ECE A, B & C	Ms.K.Prabhavathy, Ms S. Suganya, Dr. C. Sivaraj	IB 112
5	CSE A, B & C	Dr.T.Tulasimani, Ms S.Krishnaveni	IB 113
6	IT A, B & Mechatronics	Dr.P.Geetha, Ms S. Geetha	IB 114
7	TT & FT	Mr.K.Prakash, Ms.D.Umamaheswari	IB 115
8	IT (V sem)	Ms S.Krishnaveni	IB 113
9	MCA	Mr.P.Saravananmoorthy, Mr.R.Sathish Kumar	IB 116


(Dr.K.Megalai) 11/1/14

HOD Mathematics


Principal

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Annexure 5.2

Details of Government Scholarships Availed by Students

S No	Scholarship	No of students supported by scholarship			
		2009-10	2010-11	2011-12	2012-13
1.	SC / ST Scholarship (Loan Scholarship)	47	67	125	111
2.	SC / ST Scholarship	208	205	281	335
3.	BC / MBC / DNC Scholarship	959	856	1441	1897
4.	Corporation / Municipal Scholarship	4	4	4	3
5.	Merit - cum means Scholarship (minority)	6	34	25	19
6.	Tamilnadu Educational Trust Scholarships	4	2	3	4
7.	Wards of Beedi Workers Scholarship	2	2	1	-
8.	Central Governmentt Merit Scholarship	27	10	1	-
9.	National Foundation Scholarship	14	13	13	3
10.	CM's Scholarship	15	-	-	6
11.	Farmers Scholarship	24	54	-	-
12.	National Scholarship	4		-	-
13.	Periyar Anna Award	-	5	7	8
14.	National Handicapped Finance and Development Corporation	-	1	1	-
15.	SC / ST Scholarship (Merit)	-	13	-	-
16.	SC / ST Tuition Fee Refund	-	-	-	292
Total Students Availed Scholarship		1314	1266	1902	2678
Total Students on Roll (UG)		3390	3753	4049	4901
% of Students Availed the Scholarship		38.76	33.74	47.00	54.64

Placement Training Organised during Last Four Years

2009-10

S. No.	Date	Semester	Programme	Resource Person
1.	Every Saturday	V & VI, Civil	Aptitude training	IMS, Coimbatore
2.	10.06.09 & 22.06.09	VII Mech	Technical Aptitude and Soft Skills	Mechanical Department Faculty Members
3.	25.06.09, 27.06.09, 08.08.09, 12.09.09 & 19.09.09	VII Mech	Aptitude Training	Mr. Arulalan Mr. Prabhu Mr. Franklin IMS Training
4.	04.07.09, 20.07.09, 08.08.09, 12.09.09 & 19.09.09	V Mech	Aptitude Training	Mr. Santhosh Mr. Arulalan IMS Training
5.	10.10.09	V Mech	Aptitude Training	Mr. Prabhu Mr. Franklin IMS Training
6.	10.10.09	VII Mech	Aptitude Training	Mr. Santhosh Mr. Arulalan IMS Training
7.	04.06.09 to 18.06.09	VII EEE (A&B)	Industrial Automation training-PLC/SCADA	Prolific systems & Technologies
8.	12.06. 09to 21.06. 09	IV ECE	Embedded Systems	Prof.K.Jayaraman, CMD, CICT Pvt. Ltd, Bangalore.
9.	08.6. 09 18.6. 09	V ECE	Quantitative Ability, Verbal ability Reasoning, Communication	TIME, Erode.
10.	09.01.10, 23.01.10 & 13.02.10	VI Mech	Aptitude Training	Mr. Santhosh Mr. Arulalan IMS Training, Coimbatore

2010-11

S. No.	Date	Sem	Programme	Resource Person
Civil Engineering				
1.	28.07.10	VII	Evolve Programme by CTS	CTS Team, Chennai
2.	22.07.10	V	Group Discussion	Mrs. G. Anusha, Civil Dept
3.	23.07.10	V	Group Discussion	Mr. V. Senthilkumar, Civil Dept
4.	04.01.10 to 13.01.10	VII	Soft Skills	Department Staff
5.	20.01.10 to 04.02.10	VII	Communication Skills	English Department
Mechanical Engineering				
6.	19.07.10 to 17.07.10	III	Individual Development Programme	Prof. N. Sankaran, T&P, BIT
7.	16.08.10 to 21.08.10	III	Individual Development Programme	Prof. N. Sankaran, T&P, BIT
8.	09.07.10 to 10.07.10	V	Individual Development Programme	Prof. N. Sankaran, T&P, BIT
9.	09.07.10 to 07.08.10	V	Individual Development Programme	Prof. N. Sankaran, T&P, BIT
10.	28.07.10	VII	CTS – Placement Training	Ms. Reshmi Rajan , CTS Recourse person
11.	13.08.10	VII	Analytical Reasoning Skills	Mr. Santhosh IMS Programme
12.	26.08.10	VII	Analytical Reasoning Skills	Mr. Santhosh IMS Programme
13.	27.09.10	VII	Vijay Talk	Chandru, Ashok
14.	24.05.10	VI	Analytical Reasoning Skills	IMS Training Mr Santhosh D
15.	25.05.10	VI	Placement Classes	Dr R.Saravanan R Mr. A.Amarkarthick Mr. R.Rajiev
16.	26.05.10	VI	Analytical Reasoning Skills	Mr K.Duraibalaji IMS Training

S. No.	Date	Sem	Programme	Resource Person
17.	27.05.10	VI	Placement Classes	Dr P.Kumarbabu Mr. P.Velmurugan Mr. M.Ashok Kumar
18.	28.05.10	VI	Analytical Reasoning Skills	Mr.K.Vasanthkumar IMS Training, Coimbatore
19.	31.05.10	VI	Placement Classes	Dr.K.Shanmukkaradhya Mr. M.Ravikumar Mr. M. Kalil Rahiman
20.	01.06.10	VI	Analytical Reasoning Skills	Ms. P.Karthika IMS Training, Coimbatore
21.	02.06.10	VI	Placement Classes	Dr. K .Sivakumar
22.	03.06.10	VI	Analytical Reasoning Skills	Mr. K .Duraibalaji IMS Training , Coimbatore
23.	04.06.10	VI	Placement Classes	Dr. A .G. Sisikumar Mr. S .Ramakrishnan Mr. S.Rameh
24.	05.06.10	VI	Analytical Reasoning Skills	Mr. Anand Sharma IMS Training
25.	07.06.10	VI	Placement Classes	Prof. K. L .Senthilkumar Mr. P. Sankaravadivel Mr. A.Anadhamoorthy
26.	09.06.10	VI	Placement Classes	Mr. C.Sasikumar Mr. G.Senthilkumar Mr. T.Rameshkumar Mr. S.Boopathi
27.	11.06.10	VI	Placement Classes	Dr .N.Natarajan Mr. V.C.Uvaraja Mr. P.Suresh Kumar
28.	23.02.11	VI	Aptitude Training	Mr.K.K.Durai Balaji Mr.D.Santhosh IMS Coimbatore
29.	02.03.11	VI	Aptitude Training	Mr.D.Santhosh, Mr.K.K.Durai Balaji IMS Coimbatore
30.	09.03.11	VI	Analytical Skills	Mr.D.Santhosh Mr.C.Kalaiselvan IMS Coimbatore
31.	02.03.11	VI	Analytical Skills	Mr. D. Santhosh Mr. K. K. Durai Balaji IMS Coimbatore

S. No.	Date	Sem	Programme	Resource Person
32.	09.03.11	VI	Analytical Skills	Mr .D. Santhosh Mr. C. Kalaiselvan IMS Coimbatore
33.	03.06.11	VI	Analytical Skills	Ms.Karthika Mr. C. Kalaiselvan IMS Coimbatore
34.	04.06.11	VI	Analytical Skills	Mr. Vijay Babu Mr. D. Santhosh IMS Coimbatore
35.	06.06.11	VI	Analytical Skills	Ms. K .Karthika IMS Coimbatore
36.	07.06.11	VI	Analytical Skills	Mr.D. Santhosh IMS Coimbatore
37.	08.06.11	VI	Analytical Skills	Ms.Karthika Mr.C. Kalaiselvan IMS Coimbatore
38.	09.06.11	VI	Analytical Skills	Mr. Vijay Babu Mr. D. Santhosh IMS Coimbatore
39.	10.06.11	VI	Analytical Skills	Mr. C. Kalaiselvan, Ms.Karthika.K IMS Coimbatore
Electrical and Electronics Engineering				
40.	22.05.10 to 03.06.10	VI	Personality Development Program	IMS Training centre Coimbatore
41.	01.02.11 to 31.03.11	VI	Analytical Reasoning Skills	IMS Traning Centre
Electronics and Communication Engineering				
42.	19.08.10	V & VII	Training on Soft Skill	IMS, Coimbatore
Biotechnology				
43.	22.05.10 to 02.06.10	VI	C,C++ Summer Training Class	Faculty members, Department of Information Technology, BIT
44.	18.04.11 to 20.04.11	VIII	Placement Training for students	Mr. Venkat Subramaniyam Mr. Mohan Mrs. Sivagami Maruthi Group of Institutions , Coimbatore

S. No.	Date	Sem	Programme	Resource Person
45.	03.06.11 to 14.06.11	VII	Placement Training for students	IMS Faculty Members, Coimbatore
Fashion Technology				
46.	19.08.10	V	Analytical Reasoning	IMS, Coimbatore
47.	23.08.10	VII	Pre-Placement Training on How to face Off-Campus	Mr.T.Sathyamurthy, Industrial Engineer, SIMA
48.	21.12.10 to 24.12.10	V	Analytical Reasoning	IMS, Coimbatore
49.	04.01.11 to 13.01.11	VII	Vijay Talk Personality Development	Mr. Gopinath & Team, Vijay TV, Chennai
50.	21.01.11	VI	Workshop on Interview skills	Dept. of English
51.	02.03.11 to 03.03.11	VI	Soft Skill Development	Mr.S.Suthakar Asst. Manager MEMC Ltd., Mysore
Computer Applications				
52.	21.05.10 to 29.05.10	IV, VI & VIII	Aptitude Training	IMS Training Resource Pvt Ltd, CBE.
53.	13.07.10 to 10.08.10	III	IDP (Individual Development Programme)	Prof. N. Sankaran, T&P, BIT
54.	22.07.10 to 20.08.10	V	IDP (Individual Development Programme)	Prof. N. Sankaran, T&P, BIT
55.	16.08.10 to 18.09.10	V & IX	Training Programme on C & Object Oriented Programming with C++	Faculty Members of CA Department
56.	31.05.11	VIII	Training on C Programming	Mr. S. Senthilnathan Mr. R. Parivallal Mr. S. Karthick Mrs. S. Bhuvaneswari (Dept Faculty)
57.	02.06.11	VIII	Training on Object Oriented Programming & C++	Prof. S. Mahesh Kumar Mrs. K. Maheswari Mrs. J. Sumathi Ms. M. Rubhashree

S. No.	Date	Sem	Programme	Resource Person
58.	03.06.11 to 04.06.11	VIII	Training on Data Structures	Mr. P. Murugesan Mrs. K. Sangeetha Mrs. D. Malathi Mrs. S. Jayasudha
59.	06.06.11	VIII	Training on Operating Systems	Mr. E. Balamurugan Mrs. M. Thiruvartselvi Ms. S. Sangeetha Ms. T. S. Ushanandhini
60.	07.06.11	VIII	Training on DBMS	Dr. B. Nagarajan Mrs. M. Kothainayaki Mr. K. S. Veerasamy Ms. S. Amirtham
61.	08.06.11	VIII	Training on Computer Networks	Mr. B. Gopalakrishnan Mr. M. Gunasekaran Mrs. C. Josephine Christy Mr. V. S. Prakash
62.	09.06.11	VIII	Training on Software Engineering	Mr. P. SathishKumar Mr. T. N. Thangavelu Mr. S. Ravikumar Mr. A. M. Viswabharathi
63.	10.06.11	V MCA VII M.Sc	Training on Aptitude	Dr. J. Vijay Prakash Mr. K. Prakash Mrs. S. Krishnaveni Mr. S. Shivashankar Ms. R. Prema Mr. N. PazhaniRaja Ms. V. Archana
64.	14.06.11 to 18.06.11	V MCA VII M.Sc	Training on Aptitude	Mr. K. Vijay Mr. S. Santhosh Ms. P. Kavitha Mr. S. Prabhu IMS Placement Training Programme
65.	25.06.11 to 26.06.11	V MCA VII M.Sc	Training on Aptitude	Mr. K. Vijay Mr. J. Vasanth IMS Placement Training Programme
School of Management Studies				
66.	06.11.10	I Trimester	Placement Readiness Programme	Prof. N. Sankaran, T&P, BIT

S. No.	Date	Sem	Programme	Resource Person
67.	14.11.10	I Trimester	Placement Readiness Programme	Prof. N. Sankaran, T&P, BIT
68.	11.04.11 to 12.04.11	III Trimester	Placement Grooming- verbal Ability	Mr.VijayAnand FACE, Coimbatore
69.	18.04.11 to 19.04.11	III Trimester	Placement Grooming- Quantitative	Mr.Ramachandran FACE, Coimbatore
70.	02.05.11 to 03.05.11	III Trimester	Placement Grooming- Logical Reasoning	Mr.VijayAnand, FACE, Coimbatore
71.	09.05.11 to 10.05.11	III Trimester	Placement Grooming- Quantitative	Mr.Ramachandran, FACE, Coimbatore
72.	20.05.11 to 21.05.11	III Trimester	Placement Grooming- verbal Ability	Mr.VijayAnand FACE, Coimbatore
73.	30.05.11 to 31.05.11	III Trimester	Placement Grooming- Logical Reasoning	Mr.VijayAnand FACE, Coimbatore

2011-12

S.No.	Date	Semester	Programme	Resource Person
Civil Engineering				
1.	03.08.11 to 05.08.11	VII	IMS Training	IMS, Coimbatore
2.	20.01.11 to 04.02.11	VII	Soft Skill Training	IMS, Coimbatore
3.	16.08.11 & 17.08.11	VII	IMS Training	IMS, Coimbatore
4.	20.08.11 to 25.08.11	VII	Communicative English	Dept of English
5.	05.09.11	VII	IMS Training	IMS, Coimbatore
6.	16.09.11 to 27.09.11	VII	Afternoon Placement Coaching Class	Dept Faculty Members
7.	13.10.11 & 14.10.11	VII	IMS Training	IMS, Coimbatore
8.	17.12.11 & 20.12.11	VII	Soft Skill Training - FACE	FACE, Coimbatore
9.	29.02.12	VI	Evolve Programme	CTS, Coimbatore
10.	09.05.12	VI	Soft Skills Training	Face, Coimbatore
Mechanical Engineering				
11.	09.07.11	VII	Aptitude Training	Mrs.Chitra Ravikumar Mr. Anup Jacop
12.	16.07.11	VII	Aptitude Training	Mrs.Chitra Ravikumar Mr. Anup Jacop
13.	23.07.11	VII	Aptitude Training	Mrs.Chitra Ravikumar Mr. Anup Jacop
14.	20.08.11	VII	Aptitude Training	Mrs. Chitra Ravikumar Mr. Anup Jacop
15.	27.09.11	VII	Aptitude Training	Mr D Santhosh Ms. P Karthika
16.	12.12.11	VI	Aptitude Training	Mr.Anup Mr.Shabir
17.	13.12.11	VI	Aptitude Training	Ms.Karthika Mr.Skumar
18.	14.12.11	VI	Aptitude Training	Ms.Karthika Mr.Skumar
19.	15.12.11	VI	Aptitude Training	Mr.Esthar Mr. Anup
20.	16.12.11	VI	Aptitude Training	Mr.Esthar Mr. Anup
21.	17.12.11	VI	Aptitude Training	Mr.Vasanth Ms.Karthika
22.	19.12.11	VIII	Aptitude Training	Ms.Karthika Mr.Skumar

S.No.	Date	Semester	Programme	Resource Person
23.	13.02.12	VI	IMS Training - Quantitative Objectives	Mr D.Santhosh Ms P.Karthika
24.	08.05.12	VI	IMS Training - Quantitative Aptitude	Ms.P. Karthika & Mr.Dhanendran
25.	09.02.12	VI	Placement Training - Engineering Thermodynamics	Prof. M. Ravi Kumar Mr.P. Velmurugan Ms .Maragatha Meenatchi Mr. M.Nagaraja
26.	09.02.12	VI	Placement Training - Thermal Engineering	Mr.M. Kalil Rahiman Mr. M .Ashok Kumar Mr.K.Maheshkumar Mr.A.D.Pradeep
27.	10.05.12	VI	IMS Training - Quantitative Aptitude	Ms. Karthika Mr.Dhanendran
28.	11.05.12	VI	Placement Training - Heat and Mass Transfer	Mr.M.Kalil Rahiman Mr. M.Ashok Kumar Mr.K.Maheshkumar Mr.S.Kannan
29.	11.05.12	VI	Placement Training - GDJP & Power Plant Engineering	Prof .M.Ravi Kumar Mr.P.Velmurugan Ms. S .Maragatha Meenatchi Mr. M. Nagaraja
30.	12.05.12	VI	IMS Training - CTS Question Paper - Maths	Ms. Karthika & Ms. Esther
31.	14.05.12	VI	Placement Training - Manufacturing Technology - I	Dr.K.L. Senthil Kumar Prof.G. Senthilkumar MrP. Sureshkumar Mr.S.Kannan
32.	14.05.12	VI	Placement Training - Manufacturing Technology - II	Mr.M.Nandagopal Mr.S.Ramakrishnan Mr.S.Vetrivel Mr.R. Rajiev
33.	17.05.12	VI	IMS Training - CTS Question Paper - Eng	Ms. Karthika & Ms. Esther
34.	21.05.12	VI	Placement Training - TQM & OR & Industrial Engineering	Mr. M.Nandagopal MrS.Ramakrishnan Mr.S.Vetrivel Mr.R.Rajiev

S.No.	Date	Semester	Programme	Resource Person
35.	21.05.12	VI	Material Science & Metallurgy	Dr.K.L. Senthil Kumar Prof.G. Senthilkumar Mr.P. Sureshkumar Mr.S.annan
36.	22.05.12	VI	Engineering Mechanics & Engineering Graphics	Prof.M. Sivakumar Mr.A.Amarkarthik Mr.P.Sangaravadivel Mr.D. Pradeep
37.	22.05.12	VI	Theory of Machines I & Theory of Machines II	Prof.C. Sasikumar Mr. T.Rameshkumar T Mr.V.C.Uvaraja Mr.M. Sengottuvelan
38.	23.05.12	VI	DME&DTS	Prof.C. Sasikumar Mr.T. Rameshkumar Mr.V.C.Uvaraja Mr .M.Sengottuvelan
39.	23.05.12	VI	Strength of Materials	Prof .M. Sivakumar Mr.A. Amarkarthik Mr.P.Sangaravadivel Mr.A.D.Pradeep
40.	24.05.12	VI	Fluid Mechanics	Mr.S.Ramesh Mr.S. Boopathi Mr .M.Kumar Mr.S. Kannan
41.	24.05.12	VI	Metrology	Mr.S.Ramesh Mr.S. Boopathi Mr.A. Anandhamoorthi Mr.E.Prakash
42.	25.05.12	VI	CAD/CAM & CNC FEA	Mr.A. Anandhamoorthi Mr.E.Prakash Mr .M.Kumar Mr.S. Kannan
43.	26.05.12	VI	Automobile Engineering	Mr.P.Velmurugan Mr.M.Kumar Mr.S.Prabhakaran Ms.S.Maragatha Meenatchi
Electronics and Communication Engineering				
44.	24.11.11 to 30.11.11	V	Placement Training class.	TIME,Erode
45.	26.01.12 & 28.01.12 to 29.01.12	VI	Training Class	Mr.S.GurudevTIME, Erode
46.	03.02.12 & 04.02.12	VI	Placement Training Programme	Mr.M. Sasi Kumar

S.No.	Date	Semester	Programme	Resource Person
47.	28.02.12	VI II-ME	CTS, Evolve Programme	Ms.Sheethal Me.YE.Sridhar
48.	22.03.12	VI	EXP program by cts-2013 batch	CTS Group
49.	09.05.12 to 11.05.12	VI	C,C++ Class	CA Dept Staffs
50.	12.05.12 to 13.05.12	VI	Adve Tech Mock Interview	Mr. K.Shakthivel Manikandan (HR,Robot Bosch, Coimbatore)
51.	15.05.12 to 16.05.12	VI	Aptitude Training	IMS,Erode
52.	19.05.12	VI	CTS Mock Interview	CTS, Coimbatore
53.	21.05.12	VI	Face Training	Face, Coimbatore
Electronics and Instrumentation Engineering				
54.	22.08.11	VII	CTS Evolve	Mr.Y.Sridhar, Mr.Karthikeyan
55.	20.08.11 to 25.08.11	VII	Communicative English	Col's Calibre Educational Innovators Private Limited, Coimbatore.
56.	21.9.11	V & VII	GATE Coaching	EIE Faculty
57.	26.09.11 to 27.09.11	VII	Aptitude Training	Mr.Sabari Marketing Executive T.I.M.E Mr.Karthiban
58.	01.12.11 to 07.12.11	V	Process Automation using Distributed Control System	Mr.H.Jayanth Mr.C.Hemagiri Yokogawa India Limited, Bengaluru.
59.	21.12.11 to 30.12.11	VII	Distributed Control System	Mr.S.Kalidasan Mr.Sreejith S. Chandran Axis Global Automation, Coimbatore.
60.	04.02.12	IV & VI	One day Workshop on Graduate Aptitude Test in Engineering	Mr.A.Saravanakumaran Director GATEFORUM Coimbatore.
61.	09.03.12 to 15.03.12	VI	Placement Training	Mr.Santhosh Devadaasan ASSET
62.	08.05.12 to 11.05.12	VI	Placement Training	Mr.Sandhosh Devadossan, IMS (ASSET), Coimbatore

S.No.	Date	Semester	Programme	Resource Person
63.	12.05.12 to 13.05.12	VI	Mock Interview	Mr.Shakthivel Manikandan, ADVEN TECH
64.	15.05.12 to 16.05.12	VI	Mock Interview	Mr.Sandhosh Devadossan, IMS (ASSET)
65.	17.05.12 to 18.05.12	VI	Mock Interview	HR persons from CTS
66.	20-05-12 to 22-05-12	VI	C & C++ class	Mrs.G.Girija Vasumathi Mrs.P.Sugantha Priyadharshini Mrs.K.V.Kiruthika CSE Department
67.	23-05-12 to 25-05-12	VI	Placement Training	Mr.Sandhosh Devadossan IMS (ASSET)
Computer Science and Engineering				
68.	09.04.11 to 23.07.11	VI	IMS	Mr.C.Ramesh
69.	21.07.11 to 23.07.11	VII	Placement Special Training Programme	Experts from IMS Training centre, Coimbatore
70.	30.07.11	VII	Accenture Career Day	Accenture Team
71.	06.08.11 & 07.08.11	VII	Soft Skills	Mr.S.Santhosh Raja Team, Passion Foundation, Chennai.
72.	09.08.11 to 10.08.11 & 12.08.11 to 13.08.11	VII	Cognizant Certified Students (CCS) Exam	Mr.Ramesh Mr.Vijay Franklin
73.	16.08.11	VII	CCS Exam - Data Structure	Mr.Ramesh Mr.Vijay Franklin
74.	19.08.11	VII	CCS Exam (RDBMS)	Mr.Ramesh Mr.Vijay Franklin
75.	22.08.11	VII	“Evolve” Programme	Mr.Y.E.Sridhar Team, CTS Coimbatore
76.	23.08.11	VII	CCS Exam-RDBMS	Mr.Ramesh Mr.Vijay Franklin
77.	25.08.11	VI	IDP Class	Dr.Sankaran
78.	26.08.11	VII	CCS Exam (OOPS & C++)	Mr.Ramesh Mr.Vijay Franklin
79.	29.08.11	VII	CCS Exam-Data Structure	Mr.Ramesh Mr.Vijay Franklin

S.No.	Date	Semester	Programme	Resource Person
80.	30.08.11	VII	CCS Exam-RDBMS & S/W Engg	Mr.Ramesh Mr.Vijay Franklin
81.	02.09.11	VII	CCS Exam – TEST-1	Mr.Ramesh Mr.Vijay Franklin
82.	05.09.11	VII	CCS Exam – TEST-2	Mr.Ramesh Mr.Vijay Franklin
83.	16.09.11 & 17.09.11	VII	Soft skill programme	Dr.S.Selvam, Director,CUIC, Chennai
84.	18.09.11	V	Soft skill programme	Dr.S.Selvam, Director,CUIC, Chennai
85.	18.09.11	VII	Pre Placement talk	Mr.P.Krishnamoorthy, Corporate HR, Match point, Chennai
86.	19.09.11 to 30.09.11	VII	Special CTS placement training	CSE Department Faculty Members
87.	03.10.11	VII	Mock Interview	Alumni of CTS
88.	04.10.11 to 8.10.11	VII	Placement Special Training Programme for CTS	CSE Department Faculty Members
89.	10.10.11 to 12.10.11	VII	Placement Special Training Programme for CTS	CSE Department Faculty Members
90.	13.10.11 to 14.10.11	VII	Placement Test conducted by IMS Training Centre.	Experts from IMS
91.	15.10.11 & 16.10.11	VII	Mock Test, GD & Mock Interview	CSE Faculties & Aluminies Raghavendra Nataraj- Robert Bosch, Thilagaraj.B-CTS Saravana Manoj.J -CTS Prithiviraj.P-CTS Pradeep.S-CTS Gautham.R.V-CTS Priya.S-CTS Sandhya.P-CTS
92.	24.11.11 to 28.11.11	V	IMS - Asset training	IMS team
93.	17.12.11 & 18.12.11	VII	iGate Patni, Mock Test & interview	CSE Department Faculty Members
94.	20.12.11	VI	CCS Exam-OOPS	Mr.Ramesh Mr.Vijay Franklin
95.	23.12.11	VI	CCS Exam-C++	Mr.Ramesh Mr.Vijay Franklin

S.No.	Date	Semester	Programme	Resource Person
96.	26.12.11	VII	Technical training programme	CSE Department Faculty Members
97.	27.12.11	VI	Cognizant Certified Students Exam (Data structure)	Mr.Ramesh Mr.Vijay Franklin
98.	30.12.11	VI	Cognizant Certified Students Exam DBMS	Mr.Ramesh Mr.Vijay Franklin
99.	02.01.12 to 13.03.12	VI	Cognizant Certified Students programme	CSE Faculty members
100.	03.01.12	VI	CCS Exam (Software Engg)	Mr.Ramesh Mr.Vijay Franklin
101.	06.01.12	VI	CCS Exam (OOPS & C++)	Mr.Ramesh Mr.Vijay Franklin
102.	10.01.12	VI	CCS Exam (Software Engg)	Mr.Ramesh Mr.Vijay Franklin
103.	13.01.12	VI	CCS Exam (OOPS & C++)	Mr.Ramesh Mr.Vijay Franklin
104.	20.01.12	VI	CCS Exam – Test 1 (C,C++,OOPS,Software Engg, DBMS)	Mr.Ramesh Mr.Vijay Franklin
105.	27.01.12	VI	CCS Exam – Test 2 (C,C++,OOPS,Software Engg, DBMS)	Mr.Ramesh Mr.Vijay Franklin
106.	28.01.12	VI	CCS Exam (OOPS)	Mr.Ramesh Mr.Vijay Franklin
107.	30.01.12	IV (M.E)	CCS Exam (Data Structure)	Mr.Ramesh Mr.Vijay Franklin
108.	01.02.12	IV (M.E)	CCS Exam (Software Engineering)	Mr.Ramesh Mr.Vijay Franklin
109.	02.02.12	IV (M.E)	CCS Exam (OOPS & Data Structure)	Mr.Ramesh Mr.Vijay Franklin
110.	03.02.12	IV (M.E)	CCS Exam (DBMS & Software Engineering)	Mr.Ramesh Mr.Vijay Franklin
111.	04.02.12	IV (M.E)	CCS Exam Final Test I	Mr.Ramesh Mr.Vijay Franklin
112.	06.02.12	IV (M.E)	CCS Exam Final Test II	Mr.Ramesh Mr.Vijay Franklin
113.	14.03.12	VI & IV (M.E)	CCS Exam from CTS	Mr.Ramesh Mr.Vijay Franklin
114.	29.03.12	VI)	Soliton Technologies Mock Interview	CSE Faculty members
115.	03.04.12	VI	Payoda Technologies Mock Interview	CSE Faculty members

S.No.	Date	Semester	Programme	Resource Person
116.	05.04.12	VI 2013 batch)	VoiceGear Networks – Department – Placement Interview	HR Team from VoiceGear Networks, Chennai
117.	07.05.12 to 12.05.12	V	Placement Class	CSE Faculty members
118.	14.05.12 to 19.05.12	VII	Placement Class	CSE Faculty members
119.	21.05.12 to 24.05.12	VII	Placement Class	CSE Faculty members
120.	06.06.12 to 15.06.12	VII	Evening Placement Class (4.15 pm to 5.30 pm)	CSE Faculty members
121.	25.06.12 to 08.07.12	VII	Robert Bosch Placement Class (3.20 pm to 5.30 pm)	CSE Faculty members
Information Technology				
122.	Weekends	VI & VIII	Aptitude Training	IMS Center, Coimbatore
Biotechnology				
123.	18.01.11	VII	Communication skills	Dr.Thiayarajan Mr.Senthil Kumar English Department, BIT
124.	03.08.11 to 05.08.11	VII	IMS Training	IMS Resource Persons
125.	16.08.11 to 17.08.11	VII	IMS Training	IMS Resource Persons
Textile Technology				
126.	03.08.11 to 05.08.11	VII	Aptitude Development	IMS Resource Persons
127.	06.08.11 to 07.08.11	VII	Soft Skill Programme	IMS Resource Persons
128.	08.08.11 to 10.08.11	VII	Industrial Training	Department of TT
129.	11.08.11 to 13.08.11	VII	Aptitude Development	IMS Resource Persons
130.	16.08.11 to 17.08.11	VII	Aptitude Development	IMS Resource Persons
131.	19.08.11	VII	Spoken English class	Dept of English, BIT
132.	22.08.11	VII	Evolve Function	CTS, Coimbatore
133.	23.08.11	VII	Motivation Programme	BIT Faculty
134.	21.05.12 to 26.05.12	VII	Aptitude and Quantitative Methods	IMS Resource Persons

S.No.	Date	Semester	Programme	Resource Person
135.	28.05.12 to 14.06.12	VII	Servicing and Maintenance of Shuttleless Looms	SITRA, Coimbatore
136.	28.05.12 to 28.07.12	VII	Skill Development Programme in Textile Manufacturing	Textiles Committee, Coimbatore
Fashion Technology				
137.	03.08.11 to 05.08.11	VII	IMS-Training	IMS Resource Persons
138.	15.10.11	VII	Mock-Interview	Mrs.Prema, Ex-Employee of CTS
139.	15.10.11	VII	Alumni Interaction, Technical Seminar and Mock Interview	Mr.N.Pradeep, Service Engineer, LMW, Coimbatore
140.	28.02.12	VI	Evolve Programme	CTS, Chennai
141.	08-11.05.12	VI	Communicative English / GD	Dept. of English, BIT
142.	12.05.12 to 13.05.12	VI	Mock Interview	T&P Cell, BIT
143.	15.05.12 to 16.05.12	VI	Aptitude	T&P Cell, BIT
144.	17.05.12 to 18.05.12	VI	CTS Mock Interview	CTS, Coimbatore
145.	21.05.12 to 29.05.12	VI	IMS Training	IMS Asset, Coimbatore
146.	28.06.12	VII	Resume Preparation	Mr. Thilak.Vadicherla
147.	28.06.12	VII	Mock interview	Mr. L R Chandru & Mr. R.Indrajith
148.	28.06.12	VII	Mock interview	Mr. R.Indrajith
149.	28.06.12	VII	Group Discussion	Mr.P.N.R. Jeevanandam & Mr.V.Sriramulu
150.	28.06.12	VII	Group Discussion	Mr.P.N.R. Jeevanandam & Mr.V.Sriramulu
151.	28.06.12	VII	Technical	Mr.T Ganesan
152.	28.06.12	VII	Technical – Apparel Costing	Mr.S. Mohanraj
153.	29.06.12	VII	Communication skills	Department of English
154.	29.06.12	VII	Mock interview -HR	Mr. L .R. Chandru
155.	29.06.12	VII	Personal Coaching	Dr.K.A.Takore

S.No.	Date	Semester	Programme	Resource Person
Computer Applications				
156.	02.07.11 to 03.07.11	V & VII	IMS Placement Training Programme	Mr. S. Santhosh Ms. P. Kavitha IMS Coimbatore
157.	08.07.11 to 10.07.11	V & VII	IMS Placement Training Programme	Mr. J. Vijay Ms. P. Kavitha Mr. Prabhu IMS Coimbatore
158.	22.07.11 to 24.07.11	V & VII	IMS Placement Training Programme	Ms. S. Santhosh Mr. K. Vasanth Mr. S. Anoop IMS Coimbatore
159.	01.07.11 to 30.10.11	V & IX	Technical Training on C, C++, Data Structures, RDBMS, and Mock Interview	Technical Associates, BIT
160.	19.08.11 to 21.08.11	V & VII	IMS Placement Training Programme	Mr. P. Vijay Ms. K. Kavitha IMS Coimbatore
161.	27.08.11 to 28.08.11	V & VII	IMS Placement Training Programme	Mr. D. Vasanth IMS Coimbatore
162.	9,12,16,23, 26 & 29.08.2011	V & IX	Cognizant Certified Student Training Program	Faculty Members of CA Dept
163.	15.09.11 to 30.09.11	V & IX	Placement Training on Data Structures, DBMS, OOPS	CA Department Faculty Members
164.	25.09.11	V & IX	Placement Training on Mock Interview	Mr. K. Sakthivel Mr. A. Rajendiran Mr. J. Sankar Mr. D. Prakash Ms. S. A. Uma Ms. N. Vidhya Priya Mr. P. Gogulnath Mr. P. Ramkrisnan
165.	13.09.11	V & IX	Placement Training	Mr. N. Monish Mr. A. Murali Mr. S. Abirami
166.	01.10.11 to 12.10.11	V & IX	Placement Training on Data Structures, DBMS, OOPS	CA Department Faculty Members

S.No.	Date	Semester	Programme	Resource Person
167.	13.10.11 to 14.10.11	V & IX	Vocabulary, Reasoning and Numerical Aptitude	M/s. IMS Training Resource Pvt. Ltd., Coimbatore
168.	15.10.11	V & IX	Placement Training on Mock Interview	Dr. B. Nagarajan Mr. M. Gunasekaran
169.	15.12.11 to 21.12.11	IV Sem	Vocabulary, Reasoning and Numerical Aptitude	Mr. S. Shantosh Mr. R. Vijay Ms. S. Karthika M/s IMS Training
170.	22.12.11 to 31.12.11	IV & VIII	Placement Training on Data Structures, DBMS, OOPS	CA Faculty Members
171.	02.01.12 to 22.03.12	I & IV M.C.A VIII M.Sc. (SE)	Placement Training	CA Faculty Members
172.	02.01.12 to 05.04.12	IV M.C.A VIII M.Sc(SE)	Technical & Communication Training	CA Faculty Members
173.	02.01.12 to 05.04.12	IV M.C.A VIII M.Sc(SE)	Technical & Communication Training	CA Faculty Members
174.	20.02.12 to 30.04.12	II M.C.A	Technical & Communication Training	CA Faculty Members
175.	04.05.12 to 08.05.12	IV M.C.A VIII M.Sc(SE)	IMS Aptitude Training	IMS Faculty
176.	09.05.12 to 18.05.12	VIII M.Sc(SE)	C, C++, Data Structures, DBMS, Operating System, Software Engineering, Group Discussion & Quantitative Aptitude	Ms. K. Sangeetha Mr. E. Balamurugan Mr. P. Sathish kumar Mr. S. Senthilnathan Ms. D. Malathi Mr. V.S. Prakash Ms. M. Thiruvarutselvi Mr. R. Parivallal Ms. J. Sumathi Ms. C.J. Christy Mr. K.S. Veerasamy Ms. S. Bhuvaneswari
177.	9.05.12 to 14.05.12 18.05.12	IV M.C.A	Soft Skill Training	FACE Training Faculty

S.No.	Date	Semester	Programme	Resource Person
178.	15.05.12 16.05.12	IV M.C.A VIII M.Sc(SE)	IMS Aptitude Training	IMS Faculty
179.	17.05.12	IV M.C.A VIII M.Sc(SE)	Mock Interview	M/s. Cognizant Technology Solutions
180.	20.05.12 to 25.05.12	IV M.C.A VIII M.Sc(SE)	Data Structures, DBMS & C Language	Mr. B. Gopalakrishnan Mr. M.Gunasekaran Mr.P. Sathish Kumar Mr. S. Senthilnathan Ms. D. Malathi Ms. K. Maheshwari Mrs.M.Kothainayaki Ms. S. Jayasudha Ms. S. Sangeetha Ms.S.Amirtham Mrs.C.Josephine Christy Mr. S. Karthick
181.	25.06.12 to 27.06.12	V M.C.A IX M.Sc (SE)	Mock Interview	CA Faculty Members
182.	25.06.12	III M.C.A	IDP Class	Dr. N. Sankaran Prof & Head - T & P
School of Management Studies				
183.	29.08.11 & 30.08.11	IV	Placement Grooming Phase - II	Mrs. Arthi Dara M/s. Focus Academy for Career Enhancement, Coimbatore.
184.	05.09.11 & 06.09.11	IV	Placement Grooming Phase - II	Ms. Anitha M/s. Focus Academy for Career Enhancement, Coimbatore.
185.	13.09.11	IV	Placement Grooming Phase - II	Mr. Naveen M/s. Focus Academy for Career Enhancement, Coimbatore.
186.	19.09.11 to 21.09.11	IV	Placement Grooming Phase - II	Mr. Naveen M/s. Focus Academy for Career Enhancement, Coimbatore.

S.No.	Date	Semester	Programme	Resource Person
187.	26.09.11 & 27.09.11	IV	Placement Grooming Phase - II	Mr. Naveen M/s. Focus Academy for Career Enhancement, Coimbatore.
188.	03.10.11	IV	Placement Grooming Phase - II	Ms. Arthi Dara M/s. Focus Academy for Career Enhancement, Coimbatore.
189.	10.10.11 & 11.10.11	IV	Placement Grooming Phase - II	Mr. Praveen M/s. Focus Academy for Career Enhancement, Coimbatore.
190.	17.10.11	IV	Placement Grooming Phase - II	Mr. Praveen M/s. Focus Academy for Career Enhancement, Coimbatore.
191.	28.02.12 to 29.02.12	III Trimester	Placement Grooming Phase - I	Mr. Shabir M/s. ASSET, Coimbatore.
192.	06.03.12	III Trimester	Placement Grooming Phase - I	Ms. Karthikadevi M/s. ASSET, Coimbatore.
193.	20.03.12	III Trimester	Placement Grooming Phase - I	Mr. Shabir M/s. ASSET, Coimbatore.
194.	03.04.12	III Trimester	Placement Grooming Phase - I	Mr. Santhosh M/s. ASSET, Coimbatore.
195.	17.04.12	III Trimester	Placement Grooming Phase - I	Ms. Karthika M/s. ASSET, Coimbatore.
196.	20.04.12	III Trimester	Placement Grooming Phase - I	Ms. Karthika M/s. ASSET, Coimbatore.
197.	24.04.12 & 25.04.12	III Trimester	Placement Grooming Phase - I	Ms. Karthika M/s. ASSET, Coimbatore.

S. No.	Date	Semester	Programme	Resource Person
Aeronautical Engineering				
1.	17.09.12 to 18.09.12 20.09.12 to 21.09.12	IV	Placement Training	FACE Academy, Coimbatore
Computer Science and Engineering				
2.	06.06.12	VII(2013 batch)	Evening Placement Class (4.15 pm to 5.30 pm)	CSE Faculty members
3.	25.06.12 to 08.07.12	VII(2013 batch)	Robert Bosch Placement Class (3.20 pm to 5.30 pm)	CSE Faculty members
4.	19.07.12	III	IDP Training Programme	Dr.N.Sankaran
5.	28.07.12	VII	CTS Model Aptitude Test	Mr.C.Ramesh Mr.J.Vijay Franklin
6.	09.07.12 to 31.07.12	VII	TCS Code Vita Contest Road show- Registration	Mr.C.Ramesh Mr.J.Vijay Franklin
7.	31.07.12	VII	Robert Bosch Online Test	Mr.C.Ramesh Mr.J.Vijay Franklin
8.	01.08.12	III,V,VII,	Campus Partnership Programme	UST Global Team
9.	04.08.12	VII	Robert Bosch Mock Interview	CSE Faculty members
10.	09.08.12	VII	CTS Evolve Programme	CTS HR Team
11.	13.08.12	VII	TCS Code Vita Contest I round	Mr.C.Ramesh Mr.J.Vijay Franklin
12.	21.08.12	VII	TCS Code Vita Contest II round	Mr.C.Ramesh Mr.J.Vijay Franklin
13.	14.09.12 to 17.09.12	VII	CTS Placement Training	CSE Faculty members

S. No.	Date	Semester	Programme	Resource Person
14.	18.09.12 to 23.09.12	VII	Verbal & Technical Competency Development Placement Training	A team from SIX PHRASE, Coimbatore
15.	27.09.12 to 29.09.12	VII	UST Global Placement Training (Mock Test & Interview)	CSE Faculty members
16.	08.12.12	VI	IMS- Placement Special Training Programme	Experts from IMS Training centre, Coimbatore
17.	15.12.12	VI	IMS- Placement Special Training Programme	Experts from IMS Training centre, Coimbatore
18.	22.12.12	VI	IMS- Placement Special Training Programme	Experts from IMS Training centre, Coimbatore
19.	01.02.13	VI	IMS- Placement Special Training Programme	Experts from IMS Training centre, Coimbatore
20.	05.02.13	IV	Cognizant Technology Solutions - Pre evolve programme for 2015 Batch students	Expert team form Cognizant
21.	05.02.13	VI	Technical and Group Discussion	Department Faculty and placed students teams
22.	09.02.13	VI	IMS- Placement Special Training Programme	Experts from IMS Training centre, Coimbatore
23.	16.02.13	VI	IMS- Placement Special Training Programme	Experts from IMS Training centre, Coimbatore
24.	22.02.13	VIII	Payoda Technologies launched a campus connect Programme - Yojana 2013	Experts from Payoda Technologies

S. No.	Date	Semester	Programme	Resource Person
25.	02.03.13	VI	Awareness Drive for Industry's Expectation & Professional Career Training	Experts from M/s One yes Technologies
26.	17.04.13	VI	CCSP online Test 2014	Mr.C.Ramesh Mr.K.Sathis Kumar
27.	23.05.13 to 28.05.13	V	Placement Technical Training Programme	CSE Department faculty members
28.	24.05.13 to 30.05.13	VI	IMS Placement Training Programme	Experts from IMS-ASSET, Coimbatore
Information Technology				
29.	08.12.12	VI	IMS Training Programme	Mr. Santhosh
30.	28.12.12	VIII	PHP /MySQL Six Phrase, Coimbatore	Ms. Nivetha
31.	Dec to April 2012	VI	IMS Training Programme	Mr. Santhosh, IMS Trainer, Coimbatore
Biotechnology				
32.	21.07.2012	VIII	Placement Training	Mr. N. Aditya Badrinath Associate Trainer Focus Academy of Carrier Enhancement, Coimbatore
33.	21.09.12 to 23.09.12	VIII	B. Tech & M. Tech - Placement Training	FACE Academy Coimbatore
Civil Engineering				
34.	03.02.13	VI	TCS Campus Commune	TCS, Chennai
35.	05.02.13 to 06.02.13	IV	Pre - EVOLVE	Mr. Thiagu Dharmalingam CTS, Coimbatore
36.	6.05.13 to 07.05.13	VI	Evolve Programme	Mr. Thiagu Dharmalingam CTS
Mechanical Engineering				

S. No.	Date	Semester	Programme	Resource Person
37.	02.03.13	VI	IMS Placement Training	Ms. Karthika
38.	02.03.13	VI	IMS Placement Training	Ms. Karthika
39.	13.03.13	VI	IMS Placement Training	Ms .Karthika
40.	24.05.13	VI	Verbal Ability - 1	Ms. Karthika Mr. Thiyanesh
41.	25.05.13	VI	Verbal Ability - 2	Ms. Karthika Mr. Thiyanesh
42.	27.05.13	VI	Quantitative Aptitude -4	Ms. Karthika Mr. Thiyanesh
43.	28.05.13	VI	Verbal Ability - 3	Ms. Karthika Mr. Thiyanesh
Electrical and Electronics Engineering				
44.	28.5.13 to 2.6.13	VII	General Aptitude	Ms.Sangeetha & Ms.Dhivya FACE Academy
45.	24.6.13	VII	Awareness session on job opportunities in KVB Bank	Mr.P.Suresh kumar
46.	10.7.13	VII	Train the trainers	Cognizant Focused group sessions
School of Management Studies				
47.	29.01.13	II	Placement Grooming Phase - I	Ms. Karthika, M/s. Asset, Coimbatore
48.	31.01.13	II	Placement Grooming Phase - I	Ms. Karthika, M/s. Asset, Coimbatore
49.	05.02.13	II	Placement Grooming Phase - I	Ms. Karthika, M/s. Asset, Coimbatore
50.	19.02.13	II	Placement Grooming Phase - I	Ms. Karthika, M/s. Asset, Coimbatore
51.	05.03.13	II	Placement Grooming Phase - I	Ms. Karthika M/s. ASSET, Coimbatore.
52.	12.03.13	II	Placement Grooming Phase - I	Mr. Ashik M/s. ASSET, Coimbatore.

S. No.	Date	Semester	Programme	Resource Person
53.	19.03.13	II	Placement Grooming Phase – I	Mr. Dharani M/s. ASSET, Coimbatore.
54.	06.04.13	II	Placement Grooming Phase – I	Mr. Dharani M/s. ASSET, Coimbatore.
55.	09.04.13	II	Placement Grooming Phase – I	Mr. Dharani M/s. ASSET, Coimbatore.
56.	16.04.13	II	Placement Grooming Phase – I	Mr. Ashik M/s. ASSET, Coimbatore.
57.	18.04.13	II	Placement Grooming Phase – I	Mr. Dharani M/s. ASSET, Coimbatore.
58.	26.04.13	II	Placement Grooming Phase – I	Mr. Dharani M/s. ASSET, Coimbatore.
59.	30.04.13	II	Placement Grooming Phase – I	Ms. Divya M/s. ASSET, Coimbatore.
60.	04.05.13	II	Placement Grooming Phase – I	Ms. Karthika M/s. ASSET, Coimbatore
61.	07.05.13	II	Placement Grooming Phase – I	Ms. Ashik M/s. ASSET, Coimbatore
Computer Applications				
62.	12.03.13 to 15.03.13 & 18.03.13	IV	Training for CCSP	CA Faculty members
63.	16.03. 13	IV	One day workshop on Cloud Computing	Shyam Sundar C S PAYODA, Coimbatore
Textile Technology and Fashion Technology				
64.	07.01.12 to 09.01.12	VI	High Scoring Techniques	Max Academy, Chennai
65.	04.01.12	VI	Medical Textiles	SITRA, Coimbatore

List of Companies Visited for Recruitment in the last Four Years

2012-13

S. No.	Name of the Company	Date	Total Students Recruited
1.	Soliton Technologies	31.03.12	2
2.	Payoda Technologies	04.04.12	76
3.	Madura Garments	30.06.12	8
4.	Zifo Technologies	28.07.12	4
5.	Robert Bosch	06.08.12	16
6.	Bannari Amman Apparels	11.08.12	11
7.	EmbedUR Systems	11.08.12	2
8.	Emperror Textile	11.08.12	9
9.	Athena Health	29.08.12	1
10.	Jay Jay Mills	10.09.12	4
11.	CCCL	11.09.12	2
12.	Aarthi-A1-Traders	18.09.12	7
13.	Lakshmi Machine	20.09.12	5
14.	Cognizant	25.09.12	231
15.	UST Global	02.10.12	6
16.	iNautix Technologies	08.10.12	16
17.	Bannari Amman Spg	18.10.12	1
18.	Asian Fabrix	19.10.12	3
19.	Newgen Software	20.10.12	8
20.	Decathlon Sports India	10.12.12	3
21.	Laswa Technologies	20.11.12	10
22.	PPT Service	23.11.12	2
23.	LOG IT	26.11.12	5
24.	Proscape LLC	28.11.12	11
25.	GoDB Technologies	30.11.12	2
26.	Larsen & Toubro,	12.03.13	1
27.	Pricol Technologies	04.12.12	7
28.	BGR Energy Systems	06.12.12	1
29.	METRO Fabri	11.12.12	6
30.	Johnson Controls	19.12.12	2

S. No.	Name of the Company	Date	Total Students Recruited
31.	United Infotech	28.12.12	1
32.	ePaxis Automation	28.12.12	5
33.	TNQ Books	28.12.12	7
34.	Shanthi Gears	29.12.12	4
35.	Bannariamman Sugars	01.13.14	3
36.	MPF Advisory	06.01.13	32
37.	AON Hewitt	19.01.13	2
38.	Fusion Electronics	21.01.13	2
39.	GENN Automation	23.01.13	2
40.	JARO Education	28.01.13	1
41.	Jay Jay Mills	05.02.13	3
42.	INDFRAG	06.02.13	9
43.	TVS Logistics	12.02.13	3
44.	Sreevatsa Real Estate	19.02.13	4
45.	Sutherland Global	21.02.13	5
46.	Silicon House	22.02.13	3
47.	LOG IT	22.02.13	7
48.	C.Cubed Solutions	22.02.13	10
49.	CBC Fashions	23.02.13	3
50.	Sree Daksha Property	18.03.13	1
51.	HCL Bserv	26.02.13	1
52.	ePaxis Automation	26.02.13	5
53.	CSS Corp.	01.03.13	3
54.	Acenet Technologies	01.03.13	10
55.	Kalycito Infotech	05.03.13	2
56.	Vagus Technologies	05.03.13	2
57.	Axis Global	07.03.13	3
58.	Aquasub Engg	09.03.13	40
59.	365Media Private Ltd	11.03.13	4
60.	TITAN Industries	14.03.13	4
61.	Ariyan IT Solutions	30.03.13	1
62.	AEON Automation	11.04.13	1
63.	Data Patterns	12.04.13	1
64.	Maveric Systems	21.04.13	1

S. No.	Name of the Company	Date	Total Students Recruited
65.	Surya Software	24.04.13	1
66.	Innodea Infotech	25.04.13	2
67.	Jobs in Academics	04.01.13	106
68.	VWR International	04.13.14	3
69.	Rasi Seeds	04.13.14	2
70.	KGFSL	10.05.13	2
71.	Eureka Forbes	11.05.13	14
72.	Intertek Testing	16.05.13	1
73.	MALCO	27.05.13	1
74.	PACE Software	04.01.13	2
75.	APPCO	06.01.13	1
76.	Karur Vysya Bank	Aug 13	1
77.	Indian Army	06.01.13	2
78.	KARMIC	Aug 2013	1
79.	Madura Garments	30.06.12	1
80.	Smart Infocomm)	12.08.12	4
81.	Karur Vysya Bank	21.11.12	24
82.	iFlow Soft	23.11.12	16
83.	JARO Education	10.12.12	2
84.	MPF Advisory	06.01.13	5
85.	Axis Bank	10.01.13	12
86.	India Infoline	22.02.13	4
87.	Axis Bank	25.03.13	4
88.	Sankara Eye	02.04.13	1

2011-12

S. No.	Name of the Company	Date	Total Students Recruited
1	Soliton Technologies	28.7.11	2
2	Payoda Technologies	13.8.11	1
3	Zifo Technologies	20.8.11	3
4	Payoda Technologies	08.28.11	13
5	Elgi Equipment	29.8.11	1

S. N o.	Name of the Company	Date	Total Students Recruited
6	RK Fabrics	08.10.11	1
7	Larsen & Toubro, CBE	03.02.12	10
8	ExcelaCom Technologies	26.09.11	19
9	Robert Bosch	10.10.11	12
10	SSPDL India	13.10.11	6
11	Cognizant Technology	10.18.11	456
12	HCL Technologies	20.10.11	70
13	iNautix Technologies	10.29.11	20
14	UST Global	02.11.11	33
15	Ponni Sugars	05.11.11	2
16	Applied Materials	10.12.11	1
17	AON Hewitt Technology	17.12.11	7
18	iGATE Patni	19.12.11	22
19	CCCL	20.12.11	1
20	Huawei Technologies	02.01.12	1
21	Vishwa Infrastructure	21.12.11	3
22	Ramky Infrastructure	02.01.12	3
23	Hexaware Technologies	03.01.12	2
24	BGR Energy Systems	04.01.12	11
25	eMentors@ Work	05.01.12	1
26	Madura Garments	07.01.12	3
27	Titan Industries	11.01.12	4
28	Wheels India	12.01.12	4
29	Atline Technologies	Apr 2012	5
30	SP Apparels	30.01.12	5
31	GoDB Technologies	31.01.12	2
32	Priya Knit Faabs	01.31.12	1
33	CSS Corp.	02.02.12	11
34	Shahi Exports	03.02.12	1
35	Tata Elxsi	07.02.12	4
36	BKS Textiles	08.02.12	3
37	SAIPEM India Projects	02.10.12	1
38	Target Media	13.02.12	1
39	KGiSL	17.02.12	2
40	NDOT	04.12.14	11
41	RK Group	18.02.12	1

S. N o.	Name of the Company	Date	Total Students Recruited
42	Sutherland Global	19.02.12	2
43	Jay Jay Mills	21.02.12	4
44	Gokaldas Exports	22.02.12	3
45	Madura Garments	22.02.12	1
46	Aquasub Engineering	24.02.12	48
47	URC Construction	27.02.12	1
48	Prolific Systems	27.02.12	8
49	Srinivasan Associates	03.03.12	6
50	Aquasub Engineering	06.03.12	48
51	TVS Logistics	07.03.12	3
52	Caliber Interconnect	09.03.12	1
53	Magnum Clothing	07.03.12	1
54	Eureka Forbes	13.3.12	11
55	Fusion Electronics	02.03.12	2
56	SineTech Automation	08.03.12	1
57	Soffel Technologies	03.09.12	19
58	EDS Instruments	15.03.12	2
59	KEAS Control Systems	21.03.12	2
60	NixServe IT Solutions	23.03.12	4
61	Best International	02.04.12	1
62	Taj Hotels	03.12.14	1
63	Nest Software	04.01.12	1
64	PORAS Technologies	04.01.12	3
65	STC Technologies	03.01.12	6
66	KALS Information	03.01.12	2
67	iMarque Solutions	03.01.12	1
68	HDFCSL	04.01.12	1
69	PA Technologies	04.01.12	2
70	URC Infotech	04.01.12	1
71	ToshniTek	04.12.14	2
72	Axis Global	04.12.14	5
73	INCO Group	27.04.12	7
74	Automation House	04.12.14	1
75	Giri Brothers	04.12.14	5
76	Skysys Technologies	05.12.14	3
77	Classic Page	05.12.14	2

S. No.	Name of the Company	Date	Total Students Recruited
78	Kalycito Infotech	05.12.14	1
79	RK Fabrics	08.10.11	2
80	Karur Vysya Bank	08.12.11	30
81	Axis Bank	03.01.12	16
82	NDOT	18.02.12	2
83	RK Group	18.02.12	1
84	Matchpoint	03.10.12	1
85	Eureka Forbes	13.03.12	2

2010-11

S No	Name of The Company	Month	Total Number of Students Recruited
1	Soliton Technologies	24.7.10	2
2	JMJ Engineering	06.10.14	3
3	Payoda Technologies	23.8.10	1
4	Intimate Fashion	25.8.10	3
5	CCCL	09.08.10	8
6	ExcelaCom	15.9.10	17
7	Payoda	20.09.10	7
8	Vishwa Infra	12.02.10	6
9	Cognizant Technology	18.12.10	390
10	HP	20.12.10	1
11	HCL Technologies	24.12.10	142
12	Madura Garments	27.12.10	3
13	iNautix	29.12.10	15
14	UST Global	06.01.11	20
15	Proscape	08.01.11	8
16	Syntel Inc	09.01.11	1
17	GoDB Tech	21.01.11	1
18	Aon Corp	24.01.11	1
19	SSPDL	25.01.11	6
20	Birlasoft	25.01.11	2
21	Hochtief India	27.01.11	1
22	SP Apparels	31.01.11	4
23	CBC Fashion	03.02.11	7

S No	Name of The Company	Month	Total Number of Students Recruited
24	Renault Nissan	09.02.11	1
25	Hexaware Technologies	17.02.11	3
26	SCM Garments	21.02.11	3
27	Srinivasan Associates	28.02.11	5
28	CSS Corp	01.03.11	5
29	Acenet Technologies	01.03.11	13
30	Tata Elxsi	04.03.11	8
31	Kannapiran Mills	05.03.11	2
32	NixServ IT	07.03.11	3
33	Robet Bosch	10.03.11	44
34	BGR Energy	11.03.11	7
35	Rangaswamy Associates	13.03.11	2
36	KS Textile Corpn	03.11.14	1
37	Intertek Testing	03.11.14	1
38	Asian Fabrics	02.04.11	2
39	Laswa Technologies	03.04.11	4
40	NSL Textiles	05.04.11	3
41	KEAS Controls	06.04.11	6
42	Mphasis	04.04.11	1
43	Eureka Forbes	08.04.11	21
44	Axis Global	04.11.14	6
45	Taj Hotels	MAY 11	1
46	Lucky Group	11.05.11	1
47	Wheels India	12.05.11	1
48	CBC Group	12.05.11	5
49	Classic Polo	14.05.11	2
50	Fashion Institute	16.05.11	1
51	Acenet Technologies	03.06.11	2
52	Fluidics	04.06.11	1
53	Madura Garments	04.11.14	2
54	KVB	18.02.11	2
55	HCL Tech	19.02.11	1
56	CSS Corp	18.02.11	2
57	Acenet Technologies	19.02.11	2
58	RK Fabrics	26.03.11	1

S No	Name of The Company	Month	Total Number of Students Recruited
59	BNP Paribas	28.03.11	1
60	Barnas International	03.11.14	1
61	Eureka Forbes	04.11.14	8
62	Intertek Test.	04.11.14	1
63	Smart Infocomm	09.05.11	2
64	Next Education	20.05.11	2
65	KVB	08.06.11	4
66	Visolve	07.11.14	1
67	Matchpoint	07.11.14	2

2009-10

S. No.	Name of the Company	Month	Total Number of Students Recruited
1	Soliton Technologies	8-May	2
2	Value Source	9-Sep	11
3	Effica Automation	9-Oct	6
4	L&T	9-Oct	3
5	Kannapiran Mills	10.12.09	9
6	Cheslind Textiles	12.12.09	3
7	Cognizant Technology	18.12.09	176
8	Madura Garments	25.12.09	7
9	SP Apparels	28.12.09	3
10	Sobha Developers	30.12.09	2
11	CCCL	04.01.10	2
12	ETA Engineering	10.01.10	3
13	Poornam Info Vision	11.01.10	3
14	Vishwa Infrastructure	21.01.10	4
15	Payoda Technologies	22.01.10	4
16	Excellacom	22.01.10	3
17	Wipro Tech	24.01.10	3
18	Cognizant Technology	09.02.10	4
19	Cybernet	10.02.10	21
20	Maveric Systems	13.02.10	7
21	CBC Fashions	16.02.10	4

S. No.	Name of the Company	Month	Total Number of Students Recruited
22	Sundaram Fasteners	20.02.10	1
23	SECON	23.02.10	1
24	Accenture	23.02.10	5
25	Shahi Exports	24.02.10	9
26	Access Foundation	25.02.10	28
27	Skava Systems	25.02.10	2
28	Vedanta Group	26.02.10	9
29	L-Cube Innovative	27.02.10	3
30	UST Global	10.03.10	36
31	HDFC SL	10.03.10	8
32	Caliber Interconnect	11.03.10	5
33	Dalkia India	12.03.10	5
34	Best Corporation	15.03.10	3
35	T5 India	20.03.10	27
36	NixServe Solutions	21.03.10	7
37	CBC Fashions	21.03.10	4
38	Wandrik Pharma	10.03.10	1
39	CCI Computer Education	10.03.10	2
40	Ceasefire Industries	10.03.10	2
41	IVAN Consultancy	10.03.10	3
42	Dhyan Infotech	23.03.10	2
43	Schlumberger, Singapore	10.03.10	1
44	Cotton Blossom	26.03.10	4
45	HP Shan	27.03.10	2
46	Wheels India	30.03.10	1
47	Sutherland Global	31.03.10	9
48	Object Frontier	01.04.10	2
49	Infosys	04.04.10	1
50	Data Patterns	04.04.10	1
51	KGiSL	05.04.10	6
52	Acenet Technologies	06.04.10	19
53	BGR Energy Systems	07.04.10	6
54	Srinivasan Associates	19.04.10	3
55	United Software	19.04.10	20
56	Laswa	20.04.10	6
57	Eureka Forbes	21.04.10	46

S. No.	Name of the Company	Month	Total Number of Students Recruited
58	Evolutech Networks	27.04.10	1
59	Protech Soft	30.04.10	2
60	Anand Rathi	10.05.10	3
61	Sony	11.05.10	1
62	Rohini Textiles	11.05.10	8
63	ICICI Bank	10.05.10	1
64	Eastman Food	10.05.10	1
65	Indus Teqsite	16.05.10	5
66	PRICOL Technologies	16.05.10	4
67	Robert Bosch	20.05.10	1
68	TCS	21.05.10	2
69	Object Frontier Services	21.05.10	2
70	GodB Technologies	22.05.10	1
71	Maveric Systems	24.05.10	6
72	AADTT	10.06.10	1
73	CSC	11.06.10	2
74	SOMA	10.06.10	1
75	Hochtief	19.07.10	1
76	BNP Paribas	19.07.10	1
77	Hexaware	10.07.10	1
78	BIT	10.07.10	7
79	AU-CUIC	10.07.10	3
80	Mind Tree	27.08.10	1

Contributions by Alumni

S.No.	Date	Batch	Description of activity / support	No of students attended
1.	24.12.09	Mr.Shyam Prabhu Design Engineer, M/s Tata Elxis Trivandrum, 2008 (UG)	Seminar on Linux and C Programming	60
2.	12.08.09	Mr. Jabbir Ahemed Ali, Sr.Engr.Muscat, 2008 (PG)	Satellite broadcasting	18
3.	04.07.09	B.George de Bel, Sr.Dsg. Engr. ASIC/FPGA Honeywell Techogy Solutions Bangalore (2006) PG	ASIC/FPGA System Design	60
4.	12.7. 09	B.Gowthem Pricol, Asst Engr. 2007 (PG)	I year PG courses	18
5.	16.11.09	2005 – Batch (Textile)	Initiated Scholarship - Scholarship awarded to 4 students	117
6.	25.07.09	J.Swetha, Biotech, 2009 (UG)	Idea to prepare for higher studies	28
7.	25.07.09	N. Akshya, Biotech 2009 (UG)	Competitive examinations, GRE,TOEFEL	75
8.	12.12.09	G.Muthukrishnan, System Analyst, Cognizant, Cbe,	Helpful to students for soft skill development	55
9.	02.01.10	Samaya Rajeshwari. K, Ph.D scholar in Molecular Biology, Southern Illinois University, 2007 (UG)	Outline of the requirements to do higher studies abroad.	75
10.	02.01.10	Samaya Rajeshwari. K, Molecular Biol, Southern Illinois University 2007 (UG)	Higher studies in abroad	62
11.	26.03.10	J.Swetha, IP Consultant at Altacit Global,Chennai 2009 (UG)	Awareness about Diploma course in IPR.	148
12.	17.07.10	Suganth Raj, B., CTS, Coimbatore. 2008 –(UG)	Interaction with B.Tech Students	150

S.No.	Date	Batch	Description of activity / support	No of students attended
13.	11.08.10	Mr. N. Anantharaman, Agri.Field Officer,Vellore, 2009 (UG)	Interaction with B.Tech Students “Where do I land after Graduation”	150
14.	23.08.10	Mr. M. Karthikeyan Technical Officer, Euro fins Genomic Bangalore, 2009 (UG)	Interaction with B.Tech Students “How to Prepare to get a Biotech Job”	150
15.	07.04.10	2005 – Batch Textile Tech	To Support Financially poor students - Scholarship of Rs.10,000 for 4 students	10
16.	21.08.10	MCA – 2009 & M. Sc. (SE) - 2009	Discussion on Students career and Placement activities	5
17.	21.04.11	Mr. S. Dinesh Kumar MS, Strategic Supply Chain Mgmt University of East Anglia, UK2006-2009	Strategic Supply Chain	55
18.	12.03.11	M. C. A. 2010	Student Interacation	4
19.	15.03.11	M.Sc.(SE) 2007	Student Interacation	3
20.	11.04.11	MCA - 2009	Special Lecture for Leader of the Week Programme	1
21.	23.04.11	MCA - 2010	Special Lecture for Leader of the Week Programme	1
22.	23.08.11	Er.G.Dharnendran Design Engineer, Lakshmi Machine Works Ltd, Coimbatore.2009	Corporate Expectations	70

S.No.	Date	Batch	Description of activity / support	No of students attended
23.	08.10.11	Er.Venkatraman Er.Dheenadayalan Hardware Engineer, Robert Bosch, Coimbatore. 2008 & 2009	How to face a Technical Interview?	72
24.	15.10.11	Er.Rupa Kokilam Er.M.Priyan Programmer Analyst, Cognizant Technology Solutions Coimbatore. 2009	Mock Interview	Final Year
25.	16.10.11	Er.Bharath & Er.B.Abirami Programmer Analyst , Cognizant Technology Solutions, Coimbatore. 2005-2009	Mock Interview	Final Year
26.	02.02.12	MCA 2007	Interaction with students	2
27.	17.03.12	MCA 2006	Special Invitee to BOS Meeting	2
28.	14.09.12	C.R.Santhosh, M.Tech. - 2012 (UG)	Interaction	60
29.	15.9.12	S. Jayasri, S. Shalini A. Brindha, S. Manju A. G. Anujaa - B.Tech (2012)	Interaction	60
30.	15.9.12	Mr.N. Karthik, Mr.S. S. Prasandh Mr.S. Boopathi, Mr.S. Sathish Kumar Mr.M. Kaushalya, Mr.P. Vignesh Mr.S. Sridhar, Mr.M. Manivannan Mr.J. Ragupathy - B.Tech (2012)	Interaction	54
31.	15.9.12	Ms.P. R. Nisha, Ms. V. Vishnu priya Ms.V.Yamuna Devi - B.Tech (2012)	Interaction	55

S.No.	Date	Batch	Description of activity / support	No of students attended
32.	23.01.13	MCA – 2006	CA Department	1
33.	22.01.13	B.Sc.(CT)–2001	CDSIR - TMP Workshop Department	1
34.	08.03.11	Mr.Ankan Chakraborty, (Mech), Senior Design Engineer(Valves), L & T Ltd, Industrial products & machinery, Coimbatore.	Sharing of Experiences as a Student Graduate and an Executive - Mechanical Engineering Job Opportunities	131
35.	08.03.11	Mr. Kirannair, M.Tech. (I Yr), Automotive Engineering Department, MIT, Pune.	Automotive Systems	122
36.	08.03.11	Mr.S.Murali, Program Analyst, CTS, Coimbatore	Mechanical Engineering in Software Industries	68
37.	08.03.11	Mr.Hari Ramachandran, MBA (Second Year), UK	Higher Studies in UK	62
38.	21.08.10	Mr.K.R.Arun Assistant Manager, Catholic Syrian Bank Ltd. Calicut – 2008 (UG)	Financial Opportunities for Budding Entrepreneur	62
39.	21.08.10	Mr.G.Saravana Balaji Industrial Engineer, SP Apparels, Tirupur – 2007 (UG)	Role of Industrial Engineer	44
40.	27.01.12	Mr. P Gnanavel (Alumni) Process Engineer, Schlumberger, Singapore – 2012 (UG)	Human Safety Equipments (HSE)	62
41.	28.01.12	Mr. R Gowtham Daas, (Alumni) Engineer (Machine Design), Robert Bosch, Coimbatore – 2013 (UG)	Betterment for Engineers	128
42.	28.01.12	Mr.K.B.Manoj Programme Analyst Cognizant Technologies Solution, Coimbatore	Recruitment in IT Sectors	118

S.No.	Date	Batch	Description of activity / support	No of students attended
43.	28.01.12	Mr.K.B.Manoj, Programme Analyst, CTS, Coimbatore	Recruitment in IT Sectors	112
44.	08.02.12	Mr.P.Ravin Kumar, Admin Executive, Bannari Amman Spinning Mills Ltd, Coimbatore	Higher Studies in UK	31
45.	27.10.11	Mr. R. Sethuram Assistant Manager Deutsche Bank, Banglaore	Industry Expectations	62
46.	25.09.11	Mr. K Sakthivel, Mr. A Rajendiran, Mr. J Sankar Mr. D Prakash, Ms. S A Uma Ms. N Vidhya Priya Mr. P Ramkrisnan- 2010 (UG)	Placement Training on Mock Interview	V & IX
47.	13.09.11	Mr. N Monish, Mr. A Murali Mr. S Abirami -Alumni 2010	Placement Training	V & IX
48.	12.12.12	Mr. Dharanendran IMS, Coimbatore	Guest lecture By Alumni	121
49.	28.08.12	Mrs. J. Swetha Alumni of 2005 - 2009 Batch	IPR and patenting process	54
50.	18.01.13	Mr A Vinoth, MD, Shankar Textiles, Tiruchengodu - 2008 (UG)	Entrepreneurial Experience	52
51.	20.02.13	Mr Karhik (2012 Batch)	Educational Opportunities U K	62
52.	05.03.13	Mr A Manikandan, Indian Navy - 2008 (UG)	Opportunities in Indian Navy	68
53.	02.03.13	D.Sabarish, Quality Analyst - Woven Garments CGM Presitex, South Africa - 2011 (UG)	Opportunities in South Africa for Textile Engineers	26
54.	04.03.13	S.Mageshwari, MSc student, Sheffield University, UK 2010 (UG)	Higher Studies in Material Science	58

S.No.	Date	Batch	Description of activity / support	No of students attended
55.	07.03.13	S.Karthikeyan, Asst. Manager – Processing – UCO Denim Yavatmal – 2008 (UG)	Internship Practices	36
56.	09.04.13	Mr.C.Kathiresh, Carona Industries, Gobi, 2003 (UG)	Industry Expectations	58
57.	06.04.13	Ms Suja, Asst. Store Manager, Ogawa, Chennai	Role of Visual Merchandiser in Fashion Industry	62
58.	13.04.13	Mr Vinoth S, Executive, IE K Mohan Company, Bangalore, 2012 (UG)	Importance of IE in Apparel Industry	61
59.	18.06.13	Mr.Hariharasuthan, MS- Management as Textile, Niederrhein Monchengladesch University, Germany – 2011 (UG)	Heigher Studies in Germany	61
60.	22.06.13	Mr.V.Thangapandiyan M.Tech., IIT, Delhi, 2013 (UG)	Cracking GATE Examination	52
61.	25.06.13	Mr.C.Vivek, Chemical Processing Executive, Arthi A1 Traders, Karur, 2012 (UG)	An insight to Textile Industry alumni perspective	52

Annexure 5.6

Sports Facilities Available in the Collge Campus

S. No.	Play Field Available	No. of Field	Area Available (Sq. ft.)
1	400 m standard Athletic Track with Football Field & Kho Kho (M & W)	1 No.	250480
2	Cricket Field With 2 - Net practice Pitches (M & W)	1 No.	183750
3	Hockey Field with Kerb (M) Hockey Field (W)	1 No. 1 No.	84000 84000
4	<u>Volleyball Courts:</u> For Women Hostel (W) Sports Complex (M)	1 No. 1 No.	7700 14000
5	<u>Basketball Courts:</u> For Women Hostel (Synthetic Surface) Sports Complex (Synthetic Surface with- fence) (M)	1 No. 1 No.	7700 15400
6	Tennis Courts (Synthetic Surface with - fence)	2 Nos.	28000
7	<u>Ball Badminton Courts:</u> Play Field (M) For Women Hostel (M)	1 No. 1 No.	7000 7700
8	Kabaddi Court (M & W)	2 No.	9800
9	<u>Badminton Court (Semi Indoor) Concrete Surface:</u> For Old Gents Hostel - 4 Nos. (M) For New Gents Hostels - 6 Nos. (M) For Old Women Hostel - 1 No. (W) For New Women Hostels - 2 Nos. (W)	4 Nos. 6 Nos. 1 No. 2 Nos.	9600 8640 2400 4800
10	<u>Indoor Games / Day scholar Recreation Hall (M):</u> Table Tennis Board Pool Carrom and Chess	1 No. 1 No. 4 Nos.	1800
11	Handball Court (M & W)	1 No.	35150
12	<u>Indoor Games for Women:</u> Table Tennis Court - 1 No. Carrom Boards - 2 Nos. Store Room, Toilet & Dressing Room	1 No. 2 Nos. 1 No.	3825 352 572
13	<u>Day scholar Recreation Hall (W)</u> Table Tennis Board Pool Carrom and Chess	1 No. 1 No. 4 Nos.	1800

S. No.	Play Field Available	No. of Field	Area Available (Sq. ft.)
14	<u>1. Gym for Men:</u> A) 4 Station Multi Gym for Upper Body - 2 No. B) 4 Station Multi Gym for Lower Body - 1 No. C) Twister (Sitting & Standing) - 2 Nos. D) High Lat & Low Lat Pulley - 1 No. E) 3 in 1(Dipping, Chining & Hip flexor) - 1No. F) Abdominal Board - 2 No. G) Shoulder & Bench Press - 1 No. H) T - Bar Rowing - 1 I) Fixed Weight Dumbbell - 2 pairs J) Barbell Weight - 15 Nos. K) Dumbbell & Barbell Rods - 7 Nos. L) Cable cross - 2 Nos. M) Blood Circulative Massager - 1 No. N) Exercise Cycle - 2 No. O) Tread Mill - 1 No. P) Rowing Machine - 1 No. Q) Weight Lifting & Power Lifting - 1 Set S) Upright Bike - 2 Nos. T) Elliptical Trainer - 2 Nos. R) Store Room & Toilet	1 No.	3240
	<u>2. Gym for Women:</u> A) 4 Station Multi Gym for Upper Body - 1 No. B) 4 Station Multi Gym for Lower Body - 1 No. C) Twister (Sitting & Standing) - 2 No. D) High Lat & Low Lat Pulley - 1 No. E) 3 in 1(Dipping, Chining & Hip flexor) - 1No. F) Stepper - 1 No. G) Blood Circulative Massager - 1 No. H) Exercise Cycle - 3 Nos. I) Tread Mill - 1 No. J) Tummy Vibrator - 1 No. K.) Abdominal Board - 1 No. L.) Elliptical Trainer- 1 No. M) Upright Bike - 2 Nos.	1 No.	1250
15	Total Play Field Area		772959

Annexure 5.7

List of Ph D Awarded during the Last Four Years

S No	Candidate	Title	Supervisor Details	Viva Date
1.	P. Suresh Kumar	Data Envelopment Analysis to Evaluate Performance of Pvt Sector Commercial Banks	Dr. A.Chinnaraju, Director, Coimbatore Instt of Mgmt and Tech, Coimbatore	19.02. 10
2.	T.Gnanasekaran	Performance Analysis of Turbo Codes	Dr. K.Duraisamy, Dean Dept. of IT, K.S.R. College of Tech., Tiruchengodu	18.05. 10
3.	A A Shakila	English Language Teaching	Dr. Sivashanmugam, Professor, Dept. of Linguistics, Bharathiar University, Coimbatore	06.09. 10
4.	S Balamurugan	Machining Tolerance Allocations	Dr. K. Sivakumar, Mechanical Engg, BIT Sathy	24.09. 10
5.	D.Sharmila	Wireless Security	Dr. R.Neelaveni, Asst.Prof. Dept. of ECE, PSG Tech., Coimbatore	02.11. 10
6.	C. Ganesh Babu	Analysis of speech processing systems	Dr. P.T.Vanathi, SG.Lecturer, Dept. of ECE, PSG College of Tech. Coimbatore	16.11. 10
7.	R. Thangarajan	Language and Speech Processing	Dr. A.M. Natarajan - Computer Sci and Engg BIT, Sathjy	19.11. 10
8.	J. Vijayprakash	Impact of Information & Communication Technology in rural areas.	Dr. N. Raman, Reader/Dept. of International Business, SNR Son's College, Coimbatore.	11.04. 11
9.	A. Manimaran	Organometallic Chemistry of Transition Metals	Dr. C. Jayabalakrishnan, Prof - Chemistry, SRMV College of Arts and Science, Coimbatore	20.04. 11
10.	C.S.Senthil	Stylistics	Dr. Sheela, HOD / Dept. of English, Govt. Arts College, Coimbatore.	08.08. 11

S No	Candidate	Title	Supervisor Details	Viva Date
11.	C. N. Marimuthu	Certain Investigations on Power Optimization Techniques for Data Path Cells in DSP Blocks	Dr. P.Thangaraj, Prof., Dept. of CSE, BIT Sathy	08.08. 11
12.	K.Sadasivam	Molecular Quantum	Dr. Kumaresan, Reader / Dept. of Physics, Govt. Arts College, Coimbatore	21.11. 11
13.	M.G.Sumithra	Speech Enhancement Techniques	Dr. K.Thanushkodi, HOD / Dept. of EEE, GCT., Cbe.	05.12. 11
14.	G.M.Tamilselvan	Broad band Communications	Dr. A.Shanmugam, Principal, BIT., Sathy	22.12. 11
15.	G. Paulraj	Analysis and Verification of Optimal Clamping and Locator Contact Point Surfaces of Workpiece-Fixture System	Dr .K .Sivakumar, Mechanical Engineering BIT, Sathy	11.02. 12
16.	M.Parimala	Topology	Dr. R.Devi,Reader / Dept. of Mathematics, Kongunadu Arts &Science College, Thudiyalur	10.02. 12
17.	K L Senthilkumar	Industrial Engg. - Productivity Improvement	Dr. R. Sivasubramanian, Asst.Prof./Mech Engg. CIT., Coimbatore	21.02. 12
18.	S. Mohan	A Study on Occupational Stress Among Employees with Special Reference to Software Industries in South India	Dr. J. Ashok, School of Management Studies. Sathy	12.03. 12
19.	G.Natarajan	A Study on theImpact of Spiritual Inclination on Workplace Characteristics	Dr. R.Krishnaveni, PSGInstitute of Management, Coimbatore	19.03. 12
20.	D. Martin Luther	Canadian Literature	St. Joseph College, Trichy	21.03. 12
21.	R. Bharani Kumar	Power Systems and Drives	Dr. A. Nirmal Kumar Info Institution of Technology, Coimbatore	04.06. 12

S No	Candidate	Title	Supervisor Details	Viva Date
22.	S. M. Ramesh	Certain Investigations on Efficient Robust Watermarking Algorithms for Enhancement of Security in Images	Dr. A. Shanmugam, Principal BIT, Sathy	29.06. 12
23.	A. Bharathi	Investigations on Cancer Classification using Machine Learning Algorithms	Dr. A. M. Natarajan, Computer Science and Engineering, BIT, Sathy	27.07. 12
24.	M. Ravikumar	Analysis of Natural Cooling of Building using Phase Change Materials	Dr .P. S. Srinivasan, Principal, Knowledge Institute Technology, Salem	31.07. 12
25.	R. Balamurugan	Investigation and Enhancement of Power Quality using Active Regenerative PWM Harmonic Filter Based on AI	Dr. G. Gurusamy, Electrical and Electronics Engineering, BIT, Sathy	28.08. 12
26.	D. Sasikala	Investigations on Image Registration Techniques for Monomodal and Multimodal Brain Images	Dr. R. Neelaveni Electrical and Electronics Engineering, PSG College of Technology, Coimbatore	12.10. 12
27.	M. Thangavel,	Neuro-fuzzy Based Clustering of Statistical Anomaly Traffic Intrusion Detection in Combined Wired and Wireless Networks	Dr. P. Thangaraj, Dept. of CSE, BIT Sathy	11.12. 12
28.	V. Baby Deepa	Investigations on Brain Computer Interface for Certain Limb Movements	Dr .P. Thangaraj, Dept. of CSE, BIT Sathy	13.12. 12
29.	E. T. Venkatesh	Certain Improvements in Micro Array Gene Analysis using Novel Neural Network for Prediction of Cencer in Colon	Dr. P. Thangaraj, Dept. of CSE, BIT Sathy	24.12. 12

S No	Candidate	Title	Supervisor Details	Viva Date
30.	T.V.P. Sundararajan	Investigations on the Performance of Security Enhancement Schemes for Routing Protocols in Mobile Ad Hoc Networks	Dr.A. Shanmugam, Principal BIT, Sathy	04.01. 13
31.	G. Jayaprakash	Optimal Tolerance Design of Mechanical Assemblies using FE Simulation and Intelligent Techniques	Dr. K. Sivakumar, Department of Mechanical Engineering, BIT, Sathy	11.01. 13
32.	M. Gomathi	A Study on Computer Aided Diagnosis Systems for Lung Cancer Detection using Machine Learning Techniques	Dr. P. Thangaraj, Dept. of CSE, BIT Sathy	07.01. 13
33.	V .Ashok	Certain Investigations on Noninvasive Optical Blood Glucose Concentration Prediction System using Modified HAAR Wavelet Transform and Neural Networks	Dr. A. Nirmal Kumar (Info Institute of Engineering) & Dr S U Prabha (Joint Supervisor)	19.02. 13
34.	V. Ashok	Certain Investigations on Noninvasive Optical Blood Glucose Concentration Prediction System using Modified HAAR Wavelet Transform and ANN	Dr. A. Nirmal Kumar (Info Institute of Engineering) & Dr S U Prabha (Joint Supervisor)	19.02. 12
35.	S.Daniel Madan Raja	Object Classification	Dr .A. Shanmugam, Principal, Bannari Amman Institute of Technology, Sathyamangalam	04.03. 13
36.	V. N. Vijayakumar	Liquid Crystals	Dr. M. L. M. Mohan Bannari Amman Institute of Technology, Sathyamangalam	04.03. 13

S No	Candidate	Title	Supervisor Details	Viva Date
37.	P. Geetha	Heat Transfer	Dr. M. B. K. Moorthy, Institute of Road and Transport Technology, Erode	05.03. 13
38.	P. R. Tamil Selvi	Computer Aided Deterction System for Renal calculi using Effective Segmentation Approaches	Dr. P. Thangaraj Bannari Amman Institute of Technology, Sathyamangalam	19.04. 13
39.	R. Senthil Kumar	Certain Investigations on Performance Improvement of UPS Systems by Incorporating SZI, Four-wire	Dr. Jovitha Jerome, Department of Instr. and Control, PSG College of Technology, Coimbatore	06.05. 13
40.	A. Manimaran	Certain Studies on Intuitionistic Fuzzy Continuous and Intuitionistic Fuzzy Open Mappings	Dr. P. Thangaraj, CSE Bannari Amman Institute of Technology, Sathyamangalam	08.05. 13
41.	C.Gowri Shankar	A Multidisciplinary Approach to the Development of a CAD System for the Detection and Classification of Abnormalities in Medical Images	Dr. A. Shanmugam, Principal, Bannari Amman Institute of Technology, Sathyamangalam	20.05. 13
42.	K. Megalai	A Study on Fuzzy TM- Algebra	Dr.A. Tamil Selvi Professor Dept of Computer Science and Engineering, Kongu Engineering College, Perundurai 638052	20.05. 13
43.	M.Thangamani	Efffective Distributed Document Clustering Employing Ontology	Dr. P. Thangaraj, Bannari Amman Institute of Technology, Sathyamangalam	03.06. 13
44.	M. Gunasekaran	Mapping of Artificial Intelligence Research Output: A Scientometric Analysis	Dr. R. Balasubramani, Asst Prof Dept of Library and Info Sci, Bharathidasan University, Trichy'	17.06. 13

S No	Candidate	Title	Supervisor Details	Viva Date
45.	T. Thulasimani	Factor analysis	Dr. T. Velusamy, Government Arts College, Coimbatore	27.06. 13
46.	A. Amar Karthick	Power Generation using Non-buoyant Body Wave Energy Converter	Dr. K. Sivakumar, Department of Mechanical Engineering, BIT, Sathy	10.07. 13
47.	R. Jeyaraman	Identification of Dominant Factors in Assessing the Playing Ability among Badminton Players	Dr.R. Kalidasan, Dept of Physical Education, Bharathidasan University, Trichy	23.07. 13
48.	S. Boopathi	Experimental Study and Multi-objective Optimization of Near- dry Wire-cut Electrical Discharge Machining Process	Dr. K. Sivakumar Department of Mechanical Engineering, BIT, Sathy	21.08. 13
49.	N. Bhalaji	Investigations on Certain Security Attacks on Dynamic Source Routing protocol for Mobile Adhoc Networks	Dr. A. Shanmufam, Bannari Amman Institute of Technology, Sathyamangalam	16.08. 13
50.	R. Murugan	Certain Investigations on Security Schemes for Detection and Isolation of Malicious Nodes in Mobile Adhoc Networks	Dr. A. Shanmugam, Bannari Amman Institute of Technology, Sathyamangalam	26.08. 13
51.	P. Vadivel	Studies on Stability and Stabilization of Takagi- Sugeno Fuzzy Systems	Dr. P. Thangaraj, Bannari Amman Institute of Technology, Sathyamangalam	06.09. 13
52.	V. C. Uvaraja	Tribological Characterization of Stir-cast Hybrid Aluminium Metal Matrix Composites and Optimizing using Taguchi Technique	Dr. N. Natarajan Bannari Amman Institute of Technology, Sathyamangalam	13.09. 13
53.	D. Deepa	Certain Investigations on Speech Enhancement	Dr.A. Shanmugam Bannari Amman Institute of Technology,	20.09. 13

S No	Candidate	Title	Supervisor Details	Viva Date
		Algorithms with Performance Analysis	Sathyamangalam	
54.	C. Poongodi	An Investigation on Replication Scheme for Pervasive Information Transfer in Intermittently Connected Mobile Adhoc Networks	Dr. A. Shanmugam Bannari Amman Institute of Technology, Sathyamangalam	15.11. 13
55.	N.M. Saravanakumar	Design and Performance Analysis of Scalable and Efficient Key Management Scheme for Multicast Network	Dr. T. Purushottaman, Government College of Technology, Coimbatore	15.11. 13
56.	Jai Singh	Certain Investigations on Mammographic Abnormalities using Hybrid Feature Based Machine Learning Techniques	Dr. B. Nagarajan, Bannari Amman Institute of Technology, Sathyamangalam	18.11. 13
57.	G. Anusha	Adsorption – Removal of Heavy Metals	Dr.J. Raja Murugadoss BIT, Sathy	12.11. 13
58.	Priya Vijayanthi	Data Mining	Dr. A. M. Natarajan Bannari Amman Institute of Technology, Sathyamangalam	25.11. 13
59.	S. Padmavathy	Pre and Post Merger Impact on Share Price Behaviour of Selected Indian Companies	Dr. J. Ashok, SMS, Bannari Amman Institute of Technolgoy, Sathyamangalam	29.11. 13
60.	K. Sangeetha	Mobile Agent based Clustered Routing with Enhanced QoS for Mobile Adhoc Networks	Dr. A. M. Natarajan Bannari Amman Institute of Technology, Sathyamangalam	06.12. 13
61.	L. Velmurugan	Certain Investigations on Mobility Prediction using Soft Computing Techniques	Dr. P. Thangaraj, Bannari Amman Institute of Technology, Sathyamangalam	24.12. 13

Annexure 5.8 (i)

Extra-curricular Activities

S No	Name of the Student	Year & Branch	Period	Activity	Level & Prize
National Cadet Corps					
1.	R.Gowtham Daas	III Year, Mech	24.12. 09 to 2.01.10	NCC IITN SIG Camp	State Level - VMKV Engineering University, Salem
2.	30 NSS Students	I & Final Years	24.10.09	Anti-plastic Campaign	Regional
3.	R. Srinavin Kumar , C. Suresh Kumar & R. RajKumar	III Mech	10.02.10 to 19.02.10	2TNCTC Comp Tech Coy	Ten Days NCC Camp at CIT College
4.	P. Premkumar K. Sanjai	III Mech	01.09.10 to 10.09.10	NCC Camp	Regional - Govt Arts College, Tiruppur
5.	S. Rajkumar	II Mech	01.09.10 to 10.09.10	NCC Camp	Regional
6.	K. Rajesh Kumar	III Mech	17.09.11 to 23.09.11	NCC –troop participate in the Drill Competition	Regional - II Prize
7.	M. Aravind	III Mech	17.09.11 to 23.09.11	NCC –troop participate in the Drill Competition	Regional - II Prize
8.	N. Niranjan Kumar	III Mech	17.09.11 to 23.09.11	NCC –troop participate in the Drill Competition	Regional - II Prize
9.	N. Thanikasalapradeep	III Mech	17.09.11 to 23.09.11	NCC –troop participate in the Drill Competition	Regional - II Prize
10.	S. Dhinesh Kumar	III Mech	17.09.11 to 23.09.11	NCC –troop participate in the Drill Competition	Regional - II Prize

S No	Name of the Student	Year & Branch	Period	Activity	Level & Prize
11.	NCC Officer	-	04.04.11	Associated NCC Officer Selection	National – NCC Head Quarters, Coimbatore
12.	25 Cadets	-	17.09.11 to 26.11.11	Combined Annual Training Camp	Regional Level - JKK Sampoorname Polytechnic College, TN Palayam
13.	F.A. Yakeen Ul Haque	III Textile	17.09.11 to 26.09.11	NCC Camp	National - J.K.K Muniraja College of Tech
14.	All Cadets		24.11.11 to 31.11.11	Combined Annual Training camp	Regional Level - PSG College of Arts & Science, Coimbatore
15.	All Cadets	-	23.11.11 to 02.12.11	Combined Annual Training Camp	Regional Level - KSR College of Engineering, Tiruchengode
16.	All Cadets	-	23.12.11 to 01.01.12	Combined Annual Training Camp	Regional Level - SRNV Higher Secondary School, LN Palayam, Coimbatore.
17.	4 Cadets	-	21.11.11 to 26.11.11	19th National Children's Science Conference	Regional Level

S No	Name of the Student	Year & Branch	Period	Activity	Level & Prize
18.	46 Cadets	-	04.02.12 to 05.02.12	Light Machine Gun (LMG) Training Camp	Regional Level – Coimbatore Institute of Technology, Coimbatore
19.	46 Cadets	-	21.02.12 to 07.03.12	Weapon Training Camp	Regional Level - NCC Head Quarters, Coimbatore
20.	13 Cadets	-	25.02.12 to 26.02.12	C Certificate - Exam	National - PSG College of Technology, Coimbatore
21.	35 Cadets	-	10.03.12	B Certificate - Exam	National - PSG College of Technology, Coimbatore
22.	All Cadets	-	21.05.13 to 30.05.13	Tal Sainik Camp	Regional Level - Kandasamy Kandar's College, Paramathivelur
23.	All Cadets	-	17.06.13 – 26.06.13	Combined Annual Training Camp	Regional Level - Government College Technology, Coimbatore
24.	6 Cadets	-	05.12.13 to 14.12.13	Combined Annual Training Camp	Regional Level - RVS College of Arts &

S No	Name of the Student	Year & Branch	Period	Activity	Level & Prize
					Science, Coimbatore, Coimbatore
25.	NCC Officer	-	01.12.13 – 12.12.13	National Integration Camp	National Level - Sir Padampat Singhaniya University, Udaipur
Yoga Related Activities					
26.	Aswin Babu Naveen Naresh C.Ahalya	II ECE A	April 09	Yoga Trophy	Regional
27.	M. Prakash K. Kanimozhi	S5 B.Tech	08.07.09 to 18.07.09	volunteer yoga club for 10 days yoga training	Regional
28.	K.Kanimozhi	III B. Tech	06.02.10	District Level yoga Competition Erode	District Level - III Prize
29.	K. Sanjai	II Year, Mech	6.02.10	Yoga competition	Sports Dev. Authority (TN)& State Level - First Prize
Blood Donation Camp					
30.	A.D. Arunika C. Gowthami P. Dinesh V. Gurusamy V. Dhivya Arulmozhi Pradeepa Maheshwaran	III IT & II IT	20.02.10	Blood Donation Camp	Regional
31.	A. S. RudhraKrishan	II , Mech	20.02.10	Blood Donation Camp	Regional
32.	A. Srisakthi R. Ramkumar M. Saravana Kumar,	IV CSE	28.07.09	Blood Donation Camp	Regional

S No	Name of the Student	Year & Branch	Period	Activity	Level & Prize
	D. Vimalraj				
33.	M. Prakash T. Charen R. Muthudharani K. Kanimozhi	S5 B.Tech	23.07.09	Attended blood Camp from NSS	Regional
34.	R. Ramanathan V. Shanmuganand M. Kuppusamy C. Millankumar	IV, Civil	20.02.10 to 21.02.10	Blood Donation Camp & Kanaga Palayam	Regional
35.	S. Naveenkumar S. Dhanasiddharth	IV Year Mech	29.07.10	Blood Donation Camp	Regional - K.G.Hospital Coimbatore
36.	A. S. Rudhra Krishan C. Vanmukilselvan N. Venkatesh R. Dinesh Damodaran	III Year Mech	29.07.10	Blood Donation Camp	Regional - K.G.Hospital Coimbatore
37.	Prakash S. Senthil Kumar	II Year Mech	29.07.10	Blood Donation Camp	Regional - K.G.Hospital Coimbatore
38.	V.Sabarish S. Hari R.Shashank	III EIE	05.08.11	Blood Donation Camp	Regional
39.	R. L. Reshika M. Gowthamselvakumar T. Savitha S. Kiruthiga G. Rajeshwari	II EIE	05.08.11	Blood Donation Camp	Regional
40.	M. Saranya E. Tharani G. Prathap P. Thirthagiri S. Muthukumaran	IV EIE	05.08.11	Blood Donation Camp	Regional
41.	R.Anitha	IV CSE	05.08.11	Blood Donation Camp	Regional
42.	B.Prabhakaran	IV CSE	05.08.11	Blood Donation Camp	Regional

S No	Name of the Student	Year & Branch	Period	Activity	Level & Prize
43.	G.Nandakeswaran	IV CSE	05.08.11	Blood Donation Camp	Regional
44.	C.Jothimani	II CSE	05.08.11	Blood Donation Camp	Regional
45.	B.Thenmozhi	II CSE	05.08.11	Blood Donation Camp	Regional
46.	R.Sriharini	II CSE	05.08.11	Blood Donation Camp	Regional
National Service Scheme					
47.	M. Prakash K. MuthuDharani K.Kanimozhi	III B. Tech	30.01.10 to 05.02.10	NSS Camp at A.G. Pudur	Regional
48.	A.D. Arunika C. Gowthami P. Dinesh, V. Gurusamy, V. Dhivya, Arulmozhi Pradeepa Anandbabu Maheshwaran P. Devi , S. Abirami	III IT & II IT	30.01.10 to 05.02.10	NSS Camp	Regional
49.	R.J.JeeraDevi S.V.Satheshkumar	III EIE	30.01.10 to 05.02.10	NSS Camp in Anganagoundanpudhur	Regional
50.	R. Ramanathan V. Shanmuganand M. Kuppusamy C. Millankumar	IV, Civil	31.02.10 to 05.02.10	NSS Special Camp	Regional
51.	R. Ramanathan V. Shanmuganand M. Kuppusamy C. Millankumar	IV, Civil	25.02.10	Campus Cleaning	Regional
52.	A. S. RudhraKrishan, C. Van Mukil Selvan	II, Mech	28.01.10 to	NSS camp	Regional

S No	Name of the Student	Year & Branch	Period	Activity	Level & Prize
	M. Venkatesan		05.02.10		
53.	S.Vinoth kumar S.Suresh Kumar K.Vasanth	III ECE	14.02.09 to 20.02.09	NSS Camp	Regional
54.	S.Sujeeth N.Thangadurai Premalatha T.Sangeetha	II ECE	14-02-09	NSS	Regional
55.	R.Arun Prasath	III ECE	23-2- 09	NSS (CAMP)	Regional
56.	S.Yuvakumar G.Sudharsan	III ECE	14.02.09 to 20.02.09	NSS Camp	Regional
57.	M. Prakash	IIIT	19.12.09	Campus cleaning	Regional
58.	S. Naveenkumar S. Dhanasiddharth	IVIT	21.05.10	Anti – terrorism Day – Rally (NSS)	Regional
59.	A. S. Rudhra Krishan, C. Vanmukilselvan N. Venkatesh R. Dinesh Damodaran	IIIT	21.05.10	Anti – terrorism Day – Rally (NSS)	Regional - Dasari Palayam
60.	Prakash S. Senthil Kumar	IIIT	21.05.10	Anti – terrorism Day – Rally (NSS)	Regional - Dasari Palayam
61.	S. R. Jeyashree	II CSE	16.07.10	NSS	Regional
62.	N. Geethanjali, Anitha, Indhupriya, E. A. Gopal Manoranjith Singh Vishnuvarthan Swathika Sivaneshan Vendharasi	III CSE	16.07.10	NSS	Regional
63.	S. Naveenkumar S. Dhanasiddharth	IV Year Mech	18.09.10	Save Trees Save Life	Regional
64.	A. S. Rudhra Krishan C. Vanmukilselvan N. Venkatesh	III Year Mech	18.09.10	Save Trees Save Life	Regional

S No	Name of the Student	Year & Branch	Period	Activity	Level & Prize
	R. Dinesh Damodaran				
65.	Prakash S. Senthil Kumar	II Year Mech	18.09.10	Save Trees Save Life	Regional
66.	All Volunteers	-	11.07.11	A rally on Drug Abuse and Illicit Trafficking	Regional
67.	All Volunteers	-	20.07.11	A seminar on Organ donation	Regional
68.	All Volunteers	-	05.08.11	Blood Donation Camp	Regional - Indian Medical Association (IMA), Coimbatore
69.	All Volunteers	-	18.08.11	Preparing and Attempting Civil Service Examinations	Regional - Dr.P.Kanagar aj, Professor, Department of Political Science, Government Arts College, Coimbatore
70.	All Volunteers	-	08.08.11 to 10.08.11	Organ Donation Camp	National - FUTURA
71.	100 Volunteers	-	17.09.11	Tree Plantation	Regional
72.	All Volunteers	-	11.07.11	A rally on Drug Abuse and Illicit Trafficking	Regional
73.	All Volunteers	-	20.07.11	A seminar on Organ donation	Regional
74.	All Volunteers	-	05.08.11	Blood Donation Camp	Regional - Indian Medical Association (IMA), Coimbatore

S No	Name of the Student	Year & Branch	Period	Activity	Level & Prize
75.	All Volunteers	-	18.08.11	Preparing and Attempting Civil Service Examinations	Regional - Dr.P.Kanagaraj, Professor, Department of Political Science, Government Arts College, Coimbatore
76.	S. Prabhu	VIII	17.09.11	Rally on "Save tree save earth"	Regional
77.	A. Gowthaman	VIII	17.09.11	Rally on "Save tree save earth"	Regional
78.	S. Harineetha	VI	17.09.11	Rally on "Save tree save earth"	Regional
79.	S. Nithya Vikashini	VIII	17.09.11	Rally on "Save tree save earth"	Regional
80.	M. Sundararajan	VIII	17.09.11	Rally on "Save tree save earth"	Regional
81.	C. Vijay Prathap	VIII	17.09.11	Rally on "Save tree save earth"	Regional
82.	S. Prakash	VIII	17.09.11	Rally on "Save tree save earth"	Regional
83.	Sakthi Keerthi	VIII	17.09.11	Rally on "Save tree save earth"	Regional
84.	All Volunteers	-	24.11.11	Volunteer Service	State Level - National Children Science Congress State Meet-2011
85.	D. Sathyapriya	II	28.02.12 to 03.03.12	Camp -NSS	Regional
86.	M. Rajeshwari	II	28.02.12 to	Camp -NSS	Regional

S No	Name of the Student	Year & Branch	Period	Activity	Level & Prize
			03.03.12		
87.	Nowell V.phlips	II	28.02.12 to 03.03.12	Camp -NSS	Regional
88.	M.Thanagainathan	II	28.02.12 to 03.03.12	Camp -NSS	Regional
89.	Jothi Prakash	II	28.02.12 to 03.03.12	Camp -NSS	Regional
90.	M. Rajivi Prashanth	III	21.06.11	Awareness Rally	Regional
91.	V. Sabarish S. Hari R. Shashank	III	11.06.11	Awareness Rally on drug abuse and illegal trafficking	Regional
92.	R. L. Reshika Gowtham M. Selvakumar T. Savitha S. Kiruthiga G. Rajeshwari	II	11.06.11	Awareness Rally on drug abuse and illegal trafficking	Regional
93.	M. Saranya E. Tharani G. Prathap P. Thirthagiri S. Muthukumaran	IV	11.06.11	Awareness Rally on drug abuse and illegal trafficking	Regional
94.	R. L. Reshika M. Gowthamselvakumar T. Savitha S.Kiruthiga G. Rajeshwari	II	14.09.11	Tree plantation	Regional
95.	S.Hari R. Shashank	III	14.09.11	Tree plantation	Regional
96.	M. Saranya E. Tharani G. Prathap P. Thirthagiri	IV	14.09.11	Tree plantation	Regional

S No	Name of the Student	Year & Branch	Period	Activity	Level & Prize
	Muthukumaran S				
97.	R. L. Reshika V. Sabarish R. Shashank S. Hari	IV VI VI VI	28.01.12 to 03.2.12	NSS Camp at Modhur	Regional
98.	G. R adhamani	III	14.07.11	NSS Program for First year admission	Regional
99.	C. Jothimani	III	14.07.11	NSS Program for First year admission	Regional
100.	S. Dhinakar	IV	14.07.11	NSS Program for First year admission	Regional
101.	G. Nandakeswaran	IV	14.07.11	NSS Program for First year admission	Regional
102.	R. Anitha	IV	14.07.11	NSS Program for First year admission	Regional
103.	All Volunteers	-	05.01.12	First Aid and Fire Safety Awareness Programme	Local - Chief Officer, Fire Safety and Rescue Department, Sathyamangalam
104.	All Volunteers	-	23.02.12	PAN Card – Need and Importance	Regional
105.	G. Radhamani	III	28.01.12 to 04.02.12	NSS Special camp	Regional
106.	A. P. Vendharasi	III	28.01.12 to 04.02.12	NSS Special camp	Regional

S No	Name of the Student	Year & Branch	Period	Activity	Level & Prize
107.	R. Anitha	IV	28.01.12 to 04.02.12	NSS Special camp	Regional
108.	S. Dhinakar	IV	28.01.12 to 04.02.12	NSS Special camp	Regional
109.	N. Indu Priya	IV	28.01.12 to 04.02.12	NSS Special camp	Regional
110.	G. Nandakeswaran	IV	28.01.12 to 04.02.12	NSS Special camp	Regional
111.	B. Prabhakaran	IV	28.01.12 to 04.02.12	NSS Special camp	Regional
112.	S. Gugapriya M.P. Hemalatha P. Vignesh Vivekkumar Kavikumar Mohanraj	VI	28.01.12 to 03.01.12	NSS Camp, Modhur	Regional
113.	S. Indhu Nadaraj	IV	28.01.12 to 03.01.12	NSS Camp, Modhur	Regional
114.	Divya, Arulmozhi Pradeepa Anandbabu Maheshwaran	VIII	28.01.12 to 03.01.12	NSS Camp, Modhur	Regional
115.	S. Gugapriya M.P. Hemalatha P. Vignesh Vivekkumar Kavikumar Mohanraj	VI	28.01.12 to 03.01.12	NSS Camp, Modhur	Regional

S No	Name of the Student	Year & Branch	Period	Activity	Level & Prize
116.	S. Indhu Nadaraj	IV	28.01.12 to 03.01.12	NSS Camp, Modhur	Regional
117.	Divya, Arulmozhi Pradeepa Anandbabu Maheshwaran	VIII	28.01.12 to 03.01.12	NSS Camp, Modhur	Regional
118.	N. Geethanjali	IV	02.02.13 to 08.02.13	NSS Special Camp, Modhur & Arakankotai	Regional
119.	G. Radhamani	IV	02.02.13 to 08.02.13	NSS Special Camp, Modhur & Arakankotai	Regional
120.	C. Jothimani	IV	02.02.13 to 08.02.13	NSS Special Camp, Modhur & Arakankotai	Regional
121.	A. P. Vendharasi	IV	02.02.13 to 08.02.13	NSS Special Camp, Modhur & Arakankotai	Regional
122.	M. Anbalagan	IV	02.02.13 to 08.02.13	NSS Special Camp, Modhur & Arakankotai	Regional
123.	A. Adhithya	III	02.02.13 to 08.02.13	NSS Special Camp, Modhur & Arakankotai	Regional
124.	B. Thenmozhi	III	02.02.13 to 08.02.13	NSS Special Camp, Modhur & Arakankotai	Regional
125.	K. Priya	II	02.02.13 to 08.02.13	NSS Special Camp, Modhur & Arakankotai	Regional
126.	P. Ragavidevi	II	02.02.13 to 08.02.13	NSS Special Camp, Modhur & Arakankotai	Regional
127.	S. B. Sowmiya	II	02.02.13 to	NSS Special Camp, Modhur &	Regional

S No	Name of the Student	Year & Branch	Period	Activity	Level & Prize
			08.02.13	Arakankotai	
128.	B.Karthi	II	02.02.13 to 08.02.13	NSS CAMP	Regional
129.	R.Ranjith Kumar	II	02.02.13 to 08.02.13	NSS CAMP	Regional
130.	D.Sindhu	II	02.02.13 to 08.02.13	NSS CAMP	Regional
131.	SarathKumar	II	02.02.13 to 08.02.13	NSS CAMP	Regional
132.	K. Shashank Gowrie	II	02.02.13 to 08.02.13	NSS CAMP	Regional
133.	Sangeetha	II	02.02.13 to 08.02.13	NSS CAMP	Regional
134.	V. Karthika	IV	02.02.13 to 08.02.13	Modhur and Arakankottai NSS Special Camp	Regional
135.	S. Divya	IV	02.02.13 to 08.02.13	Modhur and Arakankottai NSS Special Camp	Regional
136.	R. Yalini	IV	02.02.13 to 08.02.13	Modhur and Arakankottai NSS Special Camp	Regional
137.	R. Aravindh	IV	02.02.13 to 08.02.13	Modhur and Arakankottai NSS Special Camp	Regional
138.	R. Jothi Prakash	III	02.02.13 to 08.02.13	Modhur and Arakankottai NSS Special Camp	Regional

S No	Name of the Student	Year & Branch	Period	Activity	Level & Prize
139.	Nowell V. Philips	III	02.02.13 to 08.02.13	Modhur and Arakankottai NSS Special Camp	Regional
140.	D. Sathyapriya	III	02.02.13 to 08.02.13	Modhur and Arakankottai NSS Special Camp	Regional
141.	M. Rajeshwari	III	02.02.13 to 08.02.13	Modhur and Arakankottai NSS Special Camp	Regional
142.	S. Pavithra	II	02.02.13 to 08.02.13	Modhur and Arakankottai NSS Special Camp	Regional
143.	P. Poonkalaivanan	II	02.02.13 to 08.02.13	Modhur and Arakankottai NSS Special Camp	Regional
144.	K. Pradeep Raja	II	02.02.13 to 08.02.13	Modhur and Arakankottai NSS Special Camp	Regional
145.	C. Naresh	II	02.02.13 to 08.02.13	Modhur and Arakankottai NSS Special Camp	Regional
146.	J. Saravanan A. Sridhar C.S. Chethana R.Keerthana	IV	02.02.13 to 08.02.13	NSS Special Camp, Modhur	Regional
147.	Balamurugan Indhu Arunmathi	VI	02.02.13 to 08.02.13	NSS Special Camp, Modhur	Regional
148.	Hemalatha Gugapriya Vignesh Vivek	VIII	02.02.13 to 08.02.13	NSS Special Camp, Modhur	Regional
149.	J. Saravanan A. Sridhar C.S. Chethana R.Keerthana	VIII	02.02.13 to 08.02.13	NSS Special Camp, Modhur	Regional

S No	Name of the Student	Year & Branch	Period	Activity	Level & Prize
150.	Balamurugan Indhu, Arunmathi	VI	02.02.13 to 08.02.13	NSS Special Camp, Modhur	Regional
151.	Hemalatha Gugapriya Vignesh Vivek	VIII	02.02.13 to 08.02.13	NSS Special Camp, Modhur	Regional

Annexure 5.8 (ii)

Co-curricular Activities

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
1.	International	2009-10	Ms.Bakyalakshmi, Ms.Nisha, Ms.Karthika Ms.Madhumitha	Best Project Award	International Symposium IIT Bombay	III
2.	International	2009-10	Mr. Sandeep Koundinya& Mr. R. Gowtham Daas	Environmental and Water Resource Institute of ASCE (USA)	Free membership of EWRI of ASCE , Among 23,000 members	Only UG Member
3.	National	2009-10	Mr. P. Gnanavel & Ms.N. Vaishnavi	Project Display – Multi Purpose Agriculture Vehicle	Best B Tech Project-Mechanical & Production	NIT Kozhikode Award
4.	National	2009-10	Mr. S. Adharsh Krishnan Mr. A R Akhil	Paper Presentation: Automobile	Krishna College of Engg & Tech,Coimbatore	II
5.	National	2009-10	Mr. R. Gowtham Daas	Social Awards	V.L.B. J. College of Engg & Tech, Coimbatore	III
6.	National	2009-10	Mr. S. Adharsh Krishnan	Paper presentation: Electronic Stability Control in Automobiles	Dr Mahalingam College of Engg & Tech,Pollachi	III
7.	National	2009-10	Mr. L. Krishna Kumar Mr. P.S. Karthikeyan Mr. V. Karthikeyan	Open House Exhibition Models	Krishna College of Engg & Tech,Cbe	I
8.	National	2009-10	Mr. L. Krishna Kumar Mr.P.S. Karthikeyan Mr.V. Karthikeyan	Open House Exhibition Models: Multipurpose Seed Separator	Hindusthan College of Engg & Tech, Cbe	I

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
9.	National	2009-10	Mr.P.Gnanavel	Intelligent control system using mechanical sensor for energy conservation	Indian Institute of Technology Madras	I
10.	National	2009-10	Mr.K.S.Raj kumar Mr.R.Rajkumar	Smart Materials	Jayam College of Engineering	III
11.	National	2009-10	Mr.P. S. Karthikeyan Mr.V. Karthikeyan Mr.L. Krishnakumar	Coffee Seed Separator	Krishna College of Engg & Tech, Coimbatore	I
12.	National	2009-10	Mr.P. S. Karthikeyan Mr.V. Karthikeyan Mr.L. Krishnakumar	Coffee Seed Separator	Hindusthan College of Engg & Tech, Coimbatore	I
13.	National	2009-10	Mr.P.Gnanavel	Intelligent robot using wireless communication for morder agriculture	Birla Institute of Technology and Science –Goa	I
14.	National	2009-10	Mr.S.Yogaraj & Mr.P.Thilak	Analysis of Two Wheeler Petrol Engine with Magnetic Engine Energisor	SKP Engineering College, Tiruvannamalai	II
15.	State	2009-10	Ms. N. Vaishnavi & Mr.P. Gnanavel	Low Cost Multi purpose Agricultural Portable Vehicle for small farmers	Villgro at IIT, Chennai	I
16.	National	2009-10	Mr.R. Dinesh Mr.P. Obuli Balaji	Analysis of Two Store Petrol Engine Using Magnetic Engine Energizer	Tamil Nadu College of Engg, Coimbatore	I
17.	National	2009-10	Mr.M.Annaamalai Mr.C.Aswin Mr.T.Athikesavan	Project Display	KCG College of Technology, Chennai	II

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
			Mr.M.Mohamed Shabin Mr.K.Raj Vignesh			
18.	National	2009-10	Mr.M.Annamalai	Project Presentation	Kirupananda Variyay Engg College, Salem	Best Project Award
19.	National	2009-10	Ms.S. Leena	Paper Presentation	Ranganathan Engg College,Cbe	II
20.	National	2009-10	Mr.P. Deepak Raja Mr.N. Krishnakumar Mr.G. Gopalakrishnan	Paper Presentation	National Institute of Tech, Trichy.	I
21.	National	2009-10	Mr.V. Dhivya	Paper Presentation	Hindustan University	III
22.	National	2009-10	Mr.R.Ramkumar	Paper Presentation	Anna University, Chennai.	I
23.	National	2009-10	Ms.S. Leena, Ms.M. Dhivya, Ms.V. Dhiya, Ms.R. Gowthami, Ms.G. Keerthi varsha, Ms.K. Lavanya.	TransItion'09 Panaroma,	CTS, Coimbatore	I
24.	National	2009-10	Mr.S. Ramkumar Mr.J. Saravana Manoj	"XPLOEZ'09"	TamilNadu College of Engg, Cbe.	II
25.	National	2009-10	Ms.R. Anitha, Ms.R. Aswini	Iris recognition	PerumalManimekalai Engg College	I
26.	National	2009-10	Mr.M. Ramakrishnan	Main Quiz	Saarang'09, IIT, Madras	V
27.	National	2009-10	Mr.R. Tamilselvan	Tamil Drama	NIT, Trichy.	III

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
28.	National	2009-10	Mr.R. Vasanth, Mr.T. Vignesh Mr.R. Vimal Kumar Mr.D. Sujith Kumar Mr.A. Vijay, Mr.B. Thilagaraj Mr.A. Suresh, Mr.K. S. Dinesh Kumar, Mr.K. Sasi Kumar	Filmv'09 - Short film contests	Krishna College of Engg and Tech, Coimbatore.	I
29.	National	2009-10	Mr.S. Ramkuamr	Surprise event	AAMEC, Kovilvenni	II
30.	National	2009-10	Mr.S. Ramkumar	Natch & ENACT	Cape Instt of Tech, Kanyakumari	I
31.	National	2009-10	Mr.K. Vignesh Mr.K. Santhosh	Cyber Crime and Network Security,	MPNMJ College of Engg, Chennimalai.	I
32.	National	2009-10	Mr.T .Vignesh, Mr.A. Suresh Mr.R. Vimal Kumar Mr.B. Thilagaraj Mr.D. Sujithkumar Mr.R .Vasanth, Mr.A. Vijay Mr.K. Sasikumar Mr.K. S. Dinesh Kumar Mr.Surek	Short Film on "Agriculture"	Sri Krishna College of Engg and Tech, Coimbatore.	I
33.	National	2009-10	Ms.R. Aswini Ms.J. Firmina Suja	Mimming	Sri Krishna College of Engg and Tech, Coimbatore.	II

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
			Ms.R. Brindha Ms.Priyadharsini			
34.	National	2009-10	Ms.R. Aswini	Music Competition	PSGR Krishnammal	II
35.	National	2009-10	Mr.S .Karthik	Comics Writing	Vellore Medical College	II
36.	National	2009-10	Mr.T .Vignesh, Mr.A. Vijay Mr.J .Saravana Manoj	National Youth Day	Vivekananda Cultural Heritage of India Exhibition, Chennai.	III
37.	National	2009-10	Mr.G. Myilraj	4G Technology	Sudharshan Engg College, Pudukottai	II
38.	National	2009-10	Mr.G. Myilraj Mr.S .Anandha Kumar	Nano robots	Cristian College of Engg & Tech, Ottanchatram	I
39.	National	2009-10	Mr.V Maniarasu	Data Mining & Warehousing	Chenduran College of Engg, Pudukottai.	III
40.	National	2009-10	Mr.S.G.Sairamprabhu Mr.G Gobinath	Mobile Computing	V L B Janakiammal College, Coimbatore	III
41.	National	2009-10	Mr.B. Arun Kaarthick Mr.S .Nikhil	Grid Computing	Kongu Engineering College, Coimbatore	I
42.	National	2009-10	Ms.P Sathya, Ms.S. Revathi	Making a direct voice call using bluetooth	Govt College of Tech, Coimbatore.	III
43.	National	2009-10	Ms.S .Priya, Ms.P. Sathya	Knowledge Management	Excel Institute of Tech, Namakkal	II
44.	National	2009-10	Mr.S Ramkumar Mr.N Raghavendra	Phish Finder	Government College of Engg, Tirunelveli.	II

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
45.	National	2009-10	Mr.S. Ramkumar	Phish Finder	Sri Ramakrishna Engg College, Cbe	I
46.	National	2009-10	Mr.K. Madhan Kumar Mr.A.V. Naveen Kumar Mr.P. Karthick	National Youth Day - Unkonwn truth:Vivekananda to Youth	Ramakrishna Mission Vivekananda College, Chennai.	First Prize of Rs. 50,000/-
47.	National	2009-10	Mr.K. Madhan Kumar Mr.A.V. Naveen Kumar Mr.P. Karthick Mr.V.Gurusamy Mr.S.Maharaja	"Short Film competition" 13.02.10 Movie: "Unknown Truth"	Kumaraguru College of Technology, Coimbatore.	I
48.	National	2009-10	Mr.G.S. Nirup Mr.V. Gopalakrishnan Mr.E. Sakthidasan Mr.M. Sathyamurthy Mr.D. Dhayanandhan Mr.Syed Abudhakir	"Short Film competition" 18th Feb 10. Movie : "Real Vision"	Sona College of Technology, Salem.	II
49.	National	2009-10	Mr.K. Madhan Kumar Mr.A.V. Naveen Kumar Mr.P. Karthick Mr.V.Gurusamy Mr.S.Maharaja	"Short Film competition" 19 Feb 10 Movie: "FACT"	Sona College of Technology, Salem	II
50.	National	2009-10	Mr.K. Madhan Kumar Mr.A.V. Naveen Kumar Mr.P. Karthick Mr.V.Gurusamy	"Short Film competition"	IIT, Chennai on 21-25 Jan 10 Movie: "PEN"	Selected as one among the 10

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
			Mr.S.Maharaja			movies from India.
51.	National	2009-10	Mr.G.S. Nirup Mr.V. Gopalakrishnan Mr.E. Sakthidasan Mr.M. Sathyamurthy Mr.D. Dhayanandhan Mr.Syed Abudhakir	“Short Film competition” 12th Feb 10. Movie : “Real Vision”	Kumaraguru College of Technology, Coimbatore	II
52.	National	2009-10	Mr.N. Naveen	4G Technology Zephyrs’10	Sudharsan Engg College, Pudukottai.	II
53.	National	2009-10	Ms.J. Elavarasi Ms.S. Bhuvaneshwari	Technical Education to Meet Global Challenges 30.01.10	IX ISTE State Level Students Convention Excel Engg College, Komarapalayam.	I
54.	National	2009-10	Ms.K. Vinothini Ms.M. Yasodhadevi	Character Analysis using Data Mining 12.02.10.	KSR College of Technology, Thiruchengodu.	I
55.	National	2009-10	K.M. Venugopal Mr.A.P. Shanmugaraja	National Level Seminar on “C Progocode”	Business Intelligence at HBTI, Kanpur	II
56.	National	2009-10	Mr.K.Mahendrababu Mr.R.Karthik Mr.K.Aravinth III Year Students	Intercollegiate Competition	Villgro & IIT Madras	II
57.	National	2009-10	Ms.K.Swathy Ms.R.Ramya	BIT / Finishing Schools-ISTE Students Convention	BIT & ISTE	II

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
58.	National	2009-10	Mr.P.Suresh	Spot Presentation	Anna University, Chennai	I
59.	National	2009-10	Mr.K.Srikanth Mr.S.Prabhu	Technical Qui	Sri Krishna College of Engg, Chennai	I
60.	National	2009-10	Mr.S.Poonkundran Mr.V.S.Siddharth	Technical Quiz	Pavendar Bharathidasan College of Engg and Tech., Trichy	II
61.	National	2009-10	Ms.C.A.Anusuya Ms.B.Dhivya Bharathi	Face Painting	Pavendar Bharathidasan College of Engg and Tech., Trichy	I
62.	National	2009-10	Ms.C.A.Anusuya Ms.B.Dhivya Bharathi	Mehandi, Fashion Illustration	SSM College of Engineering, Komarapalayam	I
63.	National	2009-10	Ms.R.S.Arulnithy M.Prathap	Technical Quiz	SSM College of Engineering, Komarapalayam	III
64.	National	2009-10	Ms.Aishwarya Anilkumar	Face Painting	Sri Krishna College of Engg, Chennai	I
65.	National	18.05.10	Mr.K.Gokulla Krishnan	Embedded Based GSM Coin Booth	Anna University Coimbatore	II
66.	National	08.09.10	Mr.D.Jaikumar	Multi-core processing using virtual instrumentation	Gnanamani College of Technology, Namakkal.	I
67.	National	18.09.10	Mr.A.Vikraman Mr.K.Prasath, Mr.V.Arun Prasath	Dual motor electric bike with four speed transmission	Vellore Instt of Tech,Vellore	II

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
68.	National	09.07.10	Ms.N. M. Nithya Ms.M. Sangeetha	An Enhanced LSB Approach to steganography using multiple key function	Vedavyasa Instt of Technology, Kerela	I
69.	National	09.07.10	Ms.N. M. Vithya Ms.P. Yasotha	Brain Finger Printing	Vedavyasa Institute of Tech, Kerela	III
70.	National	21.10.10 to 22.10.10	Ms.P. Kiruthika Ms.P. Udaya Ms.N. Suhibala	Effects of Silver nano particles on the antimicrobial activity of various enterobacter sp.	Anna University of Technology, Coimbatore	II
71.	National	28.01.10	Ms.S. Sneha Ms. G.V.E. Mr.Shanmugapriya	Nano applications	Muthayammal College of Arts and Science, Rasipuram	I
72.	National	2009-10	Ms.C.A.Anusuya Ms.B.Dhivya Bharathi	Face Painting, Fabric Painting	Sri Krishna College of Engg, Chennai	I
73.	National	06.10.10 to 07.10.10	Ms.T. Ramya Ms.S. Jansi Rani	SKYLON'10	Tamil Nadu College of Engineering, Coimbatore	I
74.	National	06.10.10 to 07.10.10	Ms.K. Lalitha Sampath Mr.Kumar	Eureka	Tamil Nadu College of Engineering, Coimbatore	I
75.	National	04.09.10	Mr.S.Surendar Mr.V.Vasanth Kumar	Green Cycle (Hybrid Electromagnetic + Power Solar System)	Mepco Schlenk Engg College, Sivakasi.	I
76.	National	17.09.10 to 19.09.10	Mr.A.R.Akhil Mr.M.Aswin Vinay	Modified Savonius Low Speed Wind Turbine	VIT University, Vellore.	III
77.	National	02.10.10	Mr.R. Kalidas	New Design of Switch by Consecutive Ting Method	Sastra University, Thanjavur	I
78.	National	23.12.10	Mr.R. Kalidas	New Design of Switch by	Sri Eshwar College of	I

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
				Consecutive Ting Method	Engineering, Coimbatore	
79.	National	23.10.10	Mr.R. Vigneshwaran	Drowsy driver Detection System	MVJ College, Bangalore	I
80.	National	23.12.10	Mr.B.Akash Prakash kishor	Automobile Automation	Sri Eshwar Engineering College	III
81.	National	04.09.10	Mr.R. Yogesh Mr.L. Kukathendral	Aircraft crash Investigation	Vel Tech Engg College	I
82.	National	15.09.10	Mr.V. Mathavan Mr.S. Kumaran	Aero modeling Skill Modeling Competition	Rajalaksmi Engg College, Chennai	III
83.	National	15.09.10	Mr.N. Muniraj Mr.R. Magesh	Aero modeling Skill Modeling Competition	Rajalaksmi Engg College, Chennai	III
84.	National	04.09.10	Mr.R. Yogesh Mr.L. Kulathendral	Aircraft crash Investigation	Vel Tech Engineering College	I
85.	National	15.09.10	Mr.V. Mathavan Mr.S. Kumaran	Aero modeling Skill Modeling Competition	Rajalakshmi Engineering College, Chennai	III
86.	National	15.09.10	Mr.N. Muniraj Mr.R. Magesh	Aero modeling Skill Modeling Competition	Rajalakshmi Engineering College, Chennai	III
87.	National	01.09.10 to 02.09.10	Ms.S.Yuvarani Mr.S.Vinoth	Future Trend of Electricity Production	Adhiyamaan College of Engg, Hosur	II
88.	National	07.09.10	Mr.S.Prakash	New Energy Recovery in induction motor	Kumaraguru College of Technology, Coimbatore	III

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
89.	International	28.07.10 to 30.07.10	Mr.Gowthaman Ram IV Year BE(Mechanical Engineering)	Design of an Bionic Car – CFD Approach	International Conference on Industrial and Mechanical Engineering, held at Bali, Indonesia	-
90.	International	03.08.10 to 05.08.10	Mr.Gowtham Daas Rajendran Final year BE(Mechanical Engineering) Management	Design of Mechanical Separator for Solid Waste	International Conference on Southeast Asian National Resoures &Environmental Management, at Kota Kinabalu, Sabah, Malaysia	-
91.	International	07.07.10 to 12.08.10	Mr. Subramanian C.S., Mr. Kiran Jogaraj, Mr. Pradeep R. & Mr. Ranjith Kirthic N. of Final M. Sc. (SE).	Film Expo Asia – 2010 held in	Bangkok	-
92.	International	25.01.11 to 27.01.11	Mr.Gowthaman Ram of Final year BE(Mechanical)	Effect add on to the developed Bionic-Car Body Shell over drag – A Dual Approac	International Mechanical, Industrial, and Manufacturing Engineering, held at Dubai UAE	Recogni tionand Appreci ation
93.	International	27.09.11 to 04.10.11	Mr. R V Aswin Karthick, IV BE EIE	Student Platform for Engineering Education Development (SPEED)	World Engineering Education Forum, Lisban-Portugal	Student Member
94.	International	10.09.11 to 20.09.11	Ms. M. Nivetha III B.TECH IT	15 th Japan – India Students Conference	Tokyo, Japan	Student Member
95.	International	12.09.11 to 17.09.11	Ms. Govindan K. Saranya, III BE ECE	26 th Kings Cup Fashion Island – <i>Separtekra</i>	Thailand	Recogni tion and Appreci ation

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
96.	International	28.09.11 to 30.09.11	Mr. R.Ramakrishnan, S.Raj Kumar, III B.E. Aeronautical Engineering	Automatic Ignition and Fuel Control System for Motor Bike Via Helmet	international Conference on World Academy of Science Engineering and Technology, Singapore	-
97.	International	14.10.11 to 24.10.11	Mr. M.G. Sreejith, III BE ECE	Talk your way to Japan Oratorical Contest	ABK – AOTS Dosokai, Japan	-
98.	National	22.01.11 to 23.01.11	Mr. K.Sanjai M.Venkatesan	Industrial Defined Problems	Coimbatore Institute of Technology, Coimbatore	III
99.	National	22.01.11 to 23.01.11	Mr. R.Kalidas	Multi – Pole Switch With Appliance Indication	Coimbatore Institute of Technology, Coimbatore	III
100.	National	18.02.11	Mr. R.Kalidas	Project Demonstration: Multi – Pole Switch With Appliance Indication	Sri Subramanya College of Engineering & Technology, Palani	I
101.	National	17.02.11	Mr. R.Kalidas	Paper: Multi – Pole Switch With Appliance Indication	Pavai College of Technology, Namakkal	Special Prize
102.	National	22.01.11 to 23.01.11	Mr. K.Sanjai Mr. M.Venkatesan	Multi – Pole Switch With Appliance Indication	Coimbatore Institute of Technology, Coimbatore	III
103.	National	17.02.11	Mr. R.Kalidas	Alternative Fuel – Eco Friendly Plastic Fuel	Pavai College of Technology, Namakkal	Special Prize
104.	National	17.02.11	Mr. Venkatesan M Mr. Sanjai K	Design of Power Control for Hybrid Vehicles	Pavai College of Technology, Namakkal	II
105.	National	18.02.11	Mr. R.Kalidas	Green and Clean Exhaust Controller	Sri Subramanya College of Engineering & Technology, Palani	I
106.	National	07.03.11	Mr. M. Venkatesan Mr. K. Sanjai	Green and Clean Exhaust Controller	K.S.Rangasamy College of Technology,	I

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
					Thiruchengode	
107.	National	12.03.11	Mr. M. Venkatesan Mr. K. Sanjai	Green and Clean Exhaust Controller	Government College of Technology, Coimbatore	I
108.	National	05.03.11	Mr. P. Kalaiselvi	Eco-Friendly Plastic Fuel	K.S.Rangasamy College of Technology, Tiruchengode	I
109.	National	07.03.11	Mr. M. Venkatesan Mr. K. Sanjai	Green and Clean Exhaust Controller	K.S.Rangasamy College of Technology, Tiruchengode	I
110.	National	12.03.11	Mr. M. Venkatesan Mr. K. Sanjai	Green and Clean Exhaust Controller	Government College of Technology, Coimbatore	I
111.	National	18.02.11	Mr. S. Karuppusamy Mr. P. Karthi	Automatic Clutch Control Using Accelerator	Dr. Mahalingam College of Engineering & Technology, Pollachi	I
112.	National	18.03.11	Mr. M. Mohan kumar Mr. P. Gopinath	Design and Developments in Multifunctional Turmeric Harvester	Jawaharlal Nehru Technology University, Vizhianagaram Campus	I
113.	National	18.03.11 to 19.03.11	Mr. M. Venkatesan Mr. K. Sanjai	Green and Clean Exhaust Controller	Sona College of Technology, Salem	I
114.	National	18.03.11	Mr. M. Mohankumar Mr. T. Gopinath	Design and Developments in Multifunctional Turmeric Harvester	JNTU, Kakinada Vizianagaram Campus	I
115.	National	18.03.11 to 19.03.11	Mr. D. Thirumoorthy Mr. S. Ramesh	Design of CO ₂ Core Shooter	Sona College of Engineering Salem	I
116.	National	18.03.11	Mr. G. Soundarrajan Mr. K. V. Tirumalai Saamy	Automatic Windshield in Automobiles	Sona College of Engineering Salem	I

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
117.	National	23.03.11	Mr. M. Mohankumar Mr. T. Gopinath	Design and Developments in Multifunctional Turmeric Harvester	TamilNadu College of Engineering, Coimbatore	I
118.	National	02.04.11 to 03.04.11	Mr. A. S. Rudhra Krishan Mr. A. Karthikesav Mr. P. Nandagopal Mr. T. Karthikeyan Mr. S. Pradeep	Intelligent Braking with Anti-theft System	NIT, Jamshedpur	III
119.	National	24.02.11	Mr. L. Kulathendral Mr. R. Karthick Raja, Mr. T. Gopalakrishnan	Electrle	Dr. Mahalingam College of Engineering & Tech, Pollachi	III
120.	National	24.02.11	Mr. L. Kulathendral Mr. R. Karthick Raja, Mr. T. Gopalakrishnan	Trouble Shooting	Dr. Mahalingam College of Engineering & Tech, Pollachi	II
121.	National	26.02.11	Mr. Y. Elangovan Mr. B.Dhineswaran	Glider Competition	Ramakrishna Engineering College, Coimbatore.	I
122.	National	26.02.11	Mr. S. Kumaran Mr. V. Mathavan Mr. S. Yuvaraj Mr. A. Amardeep, Mr. P. Radhakrishnan	Glider Contest CAD Modeling	Ramakrishna Engineering College, Coimbatore.	III
123.	National	26.02.11	Mr. V. Ramesh Mr. Ram Prasath	CAD Modeling	Ramakrishna Engineering College, Coimbatore.	III
124.	National	23.03.11 to 24.03.11	Mr. L. Kulathendral Mr. V. Ramesh	Paper Plane	MIT, Chennai	III

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
125.	National	23.03.11	Mr. N. Manoj Mr. B. Abishek	Aero Modeling Design	Noorul Islam College of Engineering, Kanyakumari.	II
126.	National	23.03.11	Mr. K. Gokulnath Mr. A. Amrdeep	Glider Contest	Noorul Islam College of Engineering, Kanyakumari.	I
127.	National	23.03.11	Mr. K. Gokulnath Mr. A. Amrdeep	Paper Plane	Noorul Islam College of Engineering, Kanyakumari.	II
128.	National	27.03.11	Ms.P. Sharmila Ms.C. Brindha	Application of Mathematical Representation of Aircraft Wing For Aerodynamic Optimization	JJ College of Engineering, Trichy.	I
129.	National	27.03.11	Ms.P. Sharmila Ms.C. Brindha	Quiz	JJ College of Engineering, Trichy.	II
130.	National	28.01.11 to 29.01.11	Mr. S.Vinoth Ms.S. Yuvarani	Renewable Energy Resources	Divyodaya - Coimbatore	1000 Cash Prize
131.	National	04.02.11	Mr. C.S.Sandru Mr. S.Senthil Vel Mr. S.Yogeswaran	Hydro Based Renewable Hybrid Power System for Rural Electrification	BITS, Goa Campus	5000 Cash Prize
132.	National	04.02.11	Mr. S.Umarmukthar Mr. S.Sarath Chandra Gokul Mr. S.G.Yeswanth Kumar	Solar Fridge	BITS, Goa Campus	III
133.	National	18.02.11	Mr. S.DineshKumar Mr. R.A.Rajkumhar	RFID	Sona College of Technology	I
134.	National	24.02.11	Ms.S.Yuvarani Mr. S.Vinoth	Renewable Energy Resources	Karpagam Institute of Technology	I

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
135.	National	04.03.11	Ms.R.Logambal Ms.R.Madhumathi	Moon -Renewable Energy Resources National level Technical Symposium	Sona College of Engineering , Salem	II
136.	National	05.03.11	Ms.S.Jeevitha	Eco-friendly Plastic fuel	KSR College of Technology, Tiruchengode	I
137.	National	24.03.11	Mr. S.Vibulanandan Mr. D.Gokulprabu	Alternative fuels	PSG College of Technology, Coimbatore	III
138.	National	04.03.11	Ms. E. Pureany	Automation in textile looms using Digital Signal Processor	Thiyagarajar College of Engineering, Madurai.	II
139.	National	04.03.11	Ms.P. Sathiya priya	Automation in textile looms using Digital Signal Processor	Thiyagarajar College of Engineering, Madurai.	II
140.	National	04.03.11	Ms. V. Saranya	Automation in textile looms using Digital Signal Processor	Thiyagarajar College of Engineering, Madurai.	II
141.	National	04.03.11	Mr. R. Sivaram Mr. A. Vikraman Mr. V. Arunprasath	Implementation of PWM Control for electric bike with dual motor	Thiyagarajar College of Engineering, Madurai.	I
142.	National	05.03.11	Mr. K. Prasath Mr. P. Thirthagiri Mr. V. Arunprasath	Implementation of PWM Control for electric bike with dual motor	Thiyagarajar College of Engineering, Madurai.	I
143.	National	05.03.11	Ms.K. Abinaya Ms.R. Raja Nanthni	Inteligent Transportation	Annamalai University, Chidambaram.	III

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
144.	National	23.02.11	Mr. G. Gokul Mr. M. Rakothaman	Solar Energy Conversion	Nandha College of Technology, Erode	II
145.	National	25.02.11 to 26.02.11	Ms.N. Kokila Ms.R. Sowmya	Enhanced Biometric Security System using Stegnography	Dr. Mahalingam CET, Pollachi	III
146.	National	25.02.11 to 26.02.11	Ms.K. Swathini Ms.G. Saranya	Pervasive Computing for Healthcare	Sri Ramakrishna Engineering College, Coimbatore	III
147.	National	27.01.11	Mr. S. S. Prashandh Ms.S. Shalini Ms. P. Kiruthika	Nano composite super absorbent polymer controlled nutrient release for plants	Vilgro-My Idea Contest, BIT Sathy	II
148.	National	05.03.11	Ms.G.Saraswathi Ms.G.V.E. Shanmugapriya	Accessorizing-Importance of Accessories on Fashion	PSG College of Tech., Coimbatore	III
149.	National	11.03.11	Ms.V.Jayanthi Ms.K.Savitha	Globalisation of Indian Textiles	Sri Krishna Engineering College, Chennai	III
150.	National	11.03.11	Ms.S.Keerthi	3 rd National Level Symposium on Humanities	Sri Ram Institute of Technology, Chennai	I
151.	National	11.03.11	Ms.R.Keerthana	3 rd National Level Symposium on Humanities	Sri Ram Institute of Technology, Chennai	I
152.	National	25.11.11	Mr. G.Balakrishnan Ms.S.Jannaniy Mr. L.Prabhu	Dual Powered Bike	PSG College of Technology, Coimbatore	I
153.	National	01.10.11	Mr.G.Balakrishnan Mr.S.Jannainy Mr. S.Vignesh Raghupathi Mr. L.Prabhu	Dual Power Bike	Hindustan University, Chennai	II

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
			Ms.M.Manimegalai Mr.M.Shivagiri			
154.	National	01.10.11	Mr. M.Senthura Karthikeyan Mr. M.Shivagiri	Robo Race	Hindustan University, Chennai	III
155.	National	19.9.11	Ms.S.Juneshe Ms.V.Jayalakshmi	Domestic Solar & wind Hybrid Energy system	VIT University, Vellore	II
156.	National	20.10.11 to 22.10.11	Ms.T.N.Sabarmathi Mr. R.R. Yuvan Sankar	Floating Solar Panel	National Institute of Technology, Calicut	I
157.	National	25.08.11	Mr. V.Sridhar Mr. S.A.Yokesh kumar Mr. M.Sharanvan	Advanced Automatic Braking System	Sivasubramaniya Nadar College of Engineering, Chennai	I
158.	National	14.09.11 to 15.09.11	Mr. B.V.Lokesh Mr. D. Manoj Kumar	RC Racing	Valliammai Engg College, Kattankulathur	III
159.	National	14.09.11	Mr. M. Vijaya Kumar	CAD Modeling	Government College of Technology, Coimbatore	I
160.	National	17.09.11	Mr. D. Manoj Kumar	RC-DIRT Race	Prathyusha Institute of Technology and Management, Tiruvallur.	II
161.	National	22.09.11	Mr. D. Manoj Kumar	RC Car Racing	J.J.College of Engineering & Technology, Tiruchirappalli	I
162.	National	22.09.11	Mr. M. S. Vishnu Mr. N. Mubeen Mr. V. Tamil Selvan	RC Car Racing	J.J.College of Engineering & Technology, Tiruchirappalli	III
163.	National	24.09.11	Mr. R. Karthikeyan	CAD Modeling	Tamil Nadu Agricultural University, Coimbatore	II

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
164.	National	23.09.11 to 24.09.11	Mr. V. Manoj kumar Mr. R. Karthikeyan	Seed Sowing Machine	Tamil Nadu Agricultural University, Coimbatore	II
165.	National	23.09.11	Mr. V. Manoj kumar Mr. R. Karthikeyan	An Robotic Arm Based Chess Board for Visually Challenged	Surya Engineering College, Erode	III
166.	National	23.09.11 to 24.09.11	Mr. G. Avinash Mr. R. Yoganantham	Non Conventional Method of Water Pumping using vertical wind turbine	Sastra University, Thanjavur	II
167.	National	29.09.11 to 30.09.11	Mr. V. Arun Bharath Mr. Jose francis	Next Generation Bicycle	Paavai Engineering College, Namakkal	II
168.	National	30.09.11	Mr. C. Sivakumar Mr. R. Vigneshwaran	Cotton Seed Oil & Rubber Seed Oil for Diesel Engine	Sri Krishna College of Engineering, Coimbatore	I
169.	National	30.09.11	Mr. L. Sibi Vishnu Mr. N. Zeeshan Ananted	Emission Control	Sri Krishna College of Technology, Comibatore	III
170.	National	30.09.11 to 01.10.11	Mr. E. Rajan	Glider Contest	ISTE, New Delhi & Jayam College of Engineering & Technology, Dharmapuri	II
171.	National	30.09.11 to 01.10.11	Mr. S. Udhaya Chandran	Glider Contest	ISTE, New Delhi & Jayam College of Engineering & Technology, Dharmapuri	II
172.	National	06.08.11	Mr. A.Ayesha Farha	Chess Robot	Velammal Engineering College, Chennai	III
173.	National	06.08.11	Mr. G.Ramya	Chess Robot	Velammal Engineering College, Chennai	III

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
174.	National	19.08.11	Mr. P.Tamilselvann	Wireless Network Security	Mahendra Institute of Technology Tiruchengode	III
175.	National	19.08.11	Mr. C.R.Sidharthan	Wireless Network Security	Mahendra Institute of Technology Tiruchengode	III
176.	National	12.09.11	Ms. A. Ayesha Farha	Data Mining & Warehousing	Sengunthar Engineering College Tiruchengode	I
177.	National	13.09.11	A. Ayesha Farha	Robotics arm based chess for visually challenged	Thiagarajar college of Engg, Madurai	II
178.	National	16.09.11	Mr. G. Manoj	Nanotechnology for wireless mobile charger	M.Kumarasamy College of Engg, Karur	I
179.	National	23.09.11	A. K. Anandapriya Iswarya Sivaprakash	LIP reading using Neural Network	K.S.R. College of Engg, Tiruchengode	II
180.	National	30.09.11	V. Bhuvaneshwari	Robotics & Computer Vision in Swarm Intelligence & Traffic Safety	Velammal College of Engg & Tech, Madurai	II
181.	National	09.09.11	Mr. K.Selvakumar	EVENT-Programming	University College of Engineering, Thindivanam	II
182.	National	09.09.11	Mr. M.Sivanesan Mr. K.Selvakumar Mr. T.Yokesh Mr. G. Manoj	EVENT-AD ZAP	University College of Engineering, Thindivanam	I
183.	National	15.09.11 to 16.09.11	Mr. A. Nallathambi Mr. T. Prakash	Minute to Win	CSI College of Engineering, Ketti	II

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
184.	National	15.09.11 to 16.09.11	Ms.R.Lavanya Ms.S.Pradeepa	Debugging	M.Kumarasamy College of Engg, Karur	III
185.	National	30.09.11	Ms.V. Bhuvaneshwari	Photoshop	Velammal College of Engg & Tech, Madurai	II
186.	National	01.10.11	Ms.D.Dhivya Ms.R.Kavipriya	Geo Technology	ISTE, Jayam College of Engg, Dharmapuri	II
187.	National	01.10.11	Mr. R.Naresh Mr. Mithun Aravinth	Embedded System	K.S.R.Engg College, Thiruchengode	I
188.	National	08.10.11	Mr. T.Kousik Mr. R.Naresh	Embedded System	Excel Engineering College, Salem	I
189.	National	24.09.11	Mr. S. Gowrishankar Mr. S. Manoj Kumar	Management of Physical Sensor Via Virtual Sensor	PSG College of Technology, Coimbatore	I
190.	National	30.09.11 to 01.10.11	Ms.V. Srivinita Ms.N. Sharmila	Clean Technology	ISTE Convention 2011 Jayam College of Engineering, Dharmapuri	II
191.	National	30.09.11 to 01.10.11	Ms.T. Shanmuga Priya Ms.P.Sailatha Ms.S. Guga Priya	E-Waste Management	ISTE Convention 2011 Jayam College of Engineering, Dharmapuri	II
192.	National	30.09.11 to 01.10.11	Mr. Gowri Shankar Mr. Madhu Sudharam Mr. Jeena Jacob Mr. Jothi Vignesh Mr. Lekshmi Narayanan	Agrotronics	Jayam College of Engineering, Dharmapuri	I

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
			Ms.D. Pavithra Ms.Shanmugapriya			
193.	National	13.10.11	Ms.K. Hemalatha Mr. S. Gowri Shankar	Yuvaprastha'11	Kalasalingam Institute of Technology, Krishnankoil	II
194.	National	30.12.11	Ms.S. Shakthi Vanilla	Image Processing	Angel College of Engg and Technology, Tirupur	II
195.	National	30.12.11	Ms.S. Shakthi Vanilla	Just A Minute	Angel College of Engg and Technology, Tirupur	I
196.	National	30.12.11	Ms.S. Shakthi Vanilla	Ad Zap	Angel College of Engg and Technology, Tirupur	I
197.	National	30.12.11	Ms.S. Shakthi Vanilla	Movie Speaks	Angel College of Engg and Technology, Tirupur	I
198.	National	30.09.11	Mr. M. Subramanian	Best Project contest & Quiz Participant	kumaraguru College of Technology, Coimbatore	I
199.	National	30.09.11	Mr. K. Vasanthan	Best Project contest & Quiz Participant	kumaraguru College of Technology, Coimbatore	I
200.	National	30.09.11	Ms.S. Mohanapriya	Best Project contest & Quiz Participant	kumaraguru College of Technology, Coimbatore	I
201.	National	30.09.11	Ms. S. Divyabharathi	Best Project contest & Quiz Participant	kumaraguru College of Technology, Coimbatore	I
202.	National	30.09.11	Ms.M. Subramanian	Best Project contest & Quiz Participant	kumaraguru College of Technology, Coimbatore	II
203.	National	30.09.11	Mr. K. V asanthan	Best Project contest & Quiz Participant	kumaraguru College of Technology, Coimbatore	II
204.	National	30.09.11	Ms.S. Deepthi	Best Project contest & Quiz Participant	kumaraguru College of Technology, Coimbatore	II

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
205.	National	30.09.11	Ms.S. Susmitha	Best Project contest & Quiz Participant	kumaraguru College of Technology, Coimbatore	II
206.	National	30.09.11	Mr. K. Venkatesh	Best Project contest & Quiz Participant	kumaraguru College of Technology, Coimbatore	II
207.	National	15.09.11	Mr. R. Sandeep Spurgeon Sathyasuganth	Business Plan Contest 2011	K.S.Rangasamy College of Arts and Science, Tiruchengode	I
208.	National	16.09.11	Ms.M. Gowthami	Robotics in Era	Kongu Engineering College, Perundurai	I
209.	National	30.09.11	Mr. M. Vauru	Best Project contest & Quiz Participant	kumaraguru College of Technology, Coimbatore	II
210.	National	14.10.11 to 15.10.11	Mr. S. Sree Hari	Detection of virulence genes <i>tyv</i> , <i>fliC-d</i> , <i>via B</i> , <i>invA</i> & <i>spvC</i> from <i>Salmonella enterica</i> serovar Typhi isolated from humans by PCR	Kongu Engineering College Perundurai	I
211.	National	May 2011 – June 2011	Mr. Yerein Sai Gopalakrishna, IV B Tech Biotechnology	Indian Academy of Science, Bengaluru for Internship	Centre for DNA finger printing and Diagnostics, Hyderabad	Fellowship
212.	National	May 2011 – June 2011	Mr. J. Raghupathy, IV B Tech Biotechnology	Indian Academy of Science, Bengaluru for Internship	Indian Institute of Science Education and Research, Kolkata	Fellowship
213.	National	19.01.12 to 23.01.12	Mr. S.Umarmukthar, S.G.Yashwanth Kumar,	Project Contest	Electrama 2012, held at Mumbai	III

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
			Mr.K.S.Vishnuvardhan, IV BE EEE			
214.	South India Level	19.02.11	Ms. S. Sapna, IV BE CSE	Best Young Speaker of Cambridge English Competition'	Chennai	Award
215.	International	06.01.12 to 07.01.12	Mr. R V Aswin Karthick, IV BE EIE	Low cost, High Efficient Controller using SPWM inverter for Photovoltaic Utility	International Conference on Clean and Green Energy held in Hong Kong	-
216.	International	25.02.12	Mr. B. Kishor and Mr. S. Shanthanu, III BE Mechanical	Intelligent all Wheel Drive	International Conference on Mechanical and Industrial Engineering held in Singapore	-
217.	International	16.05.12 to 18.05.12	Mr. M.G. Sreejith, III BE ECE	Performance analysis of SVD and K-Means clustering for optimization of fuzzy output in the classification of epilepsy risk level from EEG signals	International Conference ECTI-CON 2012 held at Hua Hin, Thailand	-
218.	National	08.03.12 to 09.03.12	Mr. R.Kalidas and Mr. K. Mubeen, III Year Mechanical	Bullock Powered Energy Generating Mill	IIT Madras	Young Innovator Programme
219.	National	09.03.12 to 10.03.12	Mr. R.Kalidas and Mr. K. Mubeen, III Year Mechanical	Bullock Powered Energy Generating Mill	PSG College of Technology, Coimbatore	I

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
220.	National	09.03.12 to 10.03.12	Mr. B. Kishor, Mr. Akash Prakash, Mr. S. A. Yokesh Kumar, Mr. K. Adhavan and Mr. M. Sharanyan, III and II BE Mechanical Engineering	New Design of Side Stand Using Gear - Innovator Award 2011	PSG College of Technology, Coimbatore	II
221.	National	09.03.12 to 10.03.12	Mr. J. Chris Divek Sekar, Mr. P. Prasanth Kali Ram, Dony and Ben Sampras Antony, IV year BE Mechanical Engineering	Modified Micro Hydel Power Plant	PSG College of Technology, Coimbatore	III
222.	National	09.03.12 to 10.03.12	Mr. C. Senthil Kumar and Mr. K. Kathirvel, II Year ME (ED), II year ME (CAD/CAM)	New Generation Bicycle	PSG College of Technology, Coimbatore	I
223.	National	09.03.12 to 10.03.12	Mr. V.Arunprasath, Mr. K.Prasath, Mr. P.Thirthagiri, Mr. A.Vikraman and Mr. T.Venkatsubbu IV BE EIE	Electric Two-wheeler with Dual Motor and Speed Transmission System	PSG College of Technology, Coimbatore	I
224.	National	09.03.12 to 10.03.12	Mr. D. Santhosh Kumar, Mr. M. Thangaraj, Mr. J. Prasanth Ram, Mr. G. Pradeep and	Green Power Hybrid System	PSG College of Technology, Coimbatore	I

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
			Mr. P. Prabhu IV EEE			
225.	National	27.01.12	Mr. P. Vivekanandhan	Water Pumping Using Vertical Windmill	Coimbatore Institute of Technology, Coimbatore	III
226.	National	27.01.12 to 28.01.12	Mr. L.Sibivishnu Mr. T. Sivaprakash Mr. N. Zeesan Ahamed	Emission Control Using ESP	Coimbatore Institute of Technology, Coimbatore	I
227.	National	27.01.12 to 28.01.12	Mr. V .Manoj kumar	Seed Sowing Machine	Coimbatore Institute of Technology, Coimbatore	III
228.	National	03.02.12 to 05.02.12	Mr. K. Yuvashankar Mr. M. Madhesu Mr. P. Vivekanandhan Mr. U. Parthipan	Quark 2012, Annual National Techno – Management Festival Domestic Kitchen Marker	Birla Institute of Technology & Science Pilani, Goa Campus	I
229.	National	03.02.12 to 05.02.12	Mr. L. Sibivishnu Mr. S. C. Sampath kumar Mr. N. Zeeshan Ahamed	Emission Control	Birla Institute of Technology & Science Pilani, Goa Campus	II
230.	National	09.02.12	Mr. S. Manoj kumar Mr. D. Krithivasan	Catalytic Converter	PSG College of Technology, Coimbatore	II
231.	National	10.02.12	Mr. V. Jagadeesh Mr. K. Arun	Multi Agro Utility Machine	Thiagarajar College of Engineering, Madurai	I
232.	National	11.02.12 to 12.02.12	Mr. V. Jagadeesh Mr. K. Arun	Agro Sprayer with Weeder	PSG College of Technology, Coimbatore	I
233.	National	11.02.12	Mr. B.Kishor	Non Conventional Method of Water Pumping	Coimbatore Institute of Technology, Coimbatore	III
234.	National	12.02.12	Mr. R. Kalidas	Monolithic Switch	PSG Institute of Technology	I
235.	National	17.02.12 to	Mr. K. Mubeen	Technical Marketing	Paavai College of	I

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
		18.02.12			Engineering, Namakkal	
236.	National	18.02.12	Mr. S.V. Sanjay Mr. K.Yuvashankar	Pneumatic Assisted Clutch Using Accelerator	PSG College of Technology, Coimbatore	I
237.	National	18.02.12	Mr. K. Sathish Kumar Mr. E. Rajan	Dual Powered Bike	Anna University, MIT Campus	II
238.	National	20.02.12	Mr. B. Janarthanan Mr. V. Manojkumar	Utilization of Waste Heat from Air Conditioning Unit	Karpagam University, Coimbatore	I
239.	National	20.02.12 to 21.02.12	Mr. V. Manoj kumar	Utilization of Waste Heat from Air Conditioning Unit	Karpagam University, Coimbatore	I
240.	National	21.02.12	Mr. K. Sathish Kumar Mr. E. Rajan	Dual Powered Bike	Dr.Mahalingam College of Engg & Tech, Pollachi	II
241.	National	21.02.12	Mr. S. Udhaya Chandran Mr. E. Rajan	Dual Power Bike	Dr.Mahalingam College of Engg & Tech, Pollachi	II
242.	National	21.02.12	Mr. P. Cibi Vasandan Mr. T. Arun Prakash Mr. T. Deepak	Automobile Automation	Dr.Mahalingam College of Engg & Tech, Pollachi	III
243.	National	23.02.12& 24.02.12	Mr. R. Vigneshwaran Mr. K. Somasundaram	Cotton Seed Oil and Rubber Seed Oil	Sri Manakula Vinayagar Engineering College, Pondicherry	II
244.	National	07.03.12	Mr. K. Arun Mr. M. N. Mohamed Fazzal	Multipurpose Agro Machine	National Engineering College, Tuticorin	I
245.	National	07.03.12	Mr. K. Arun	CAD Modeling	National Engineering College, Kovilpatti	II
246.	National	10.03.12	Mr. P. Ashwin Mr. M. Mohanraj	Mini Agriculture Harvester	Mahendra College of Engineering, Salem	I

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
247.	National	27.01.12 to 28.01.12	Mr. V. G. Vignesh	Technovation 2012	Coimbatore Institute of Technology, Coimbatore	III
248.	National	27.01.12 to 28.01.12	Mr. R. Venkatesh	Technovation 2012	Coimbatore Institute of Technology, Coimbatore	III
249.	National	27.01.12 to 28.01.12	Mr. S. Sathish Kumar	Technovation 2012	Coimbatore Institute of Technology, Coimbatore	III
250.	National	27.01.12 to 28.01.12	Mr. R. Kumaresan	Technovation 2012	Coimbatore Institute of Technology, Coimbatore	III
251.	National	02.02.12	Mr. J.Mohamed Imran Mr. S.N.Kiruba shankar	Kitegen	Knowledge Institute of technology , Salem	II
252.	National	02.02.12 to 04.02.12	Mr. S.Arun Kumar Mr. R.G.Dhinesh Mr. S.Sankar	RC Car Race	Anna University, Chennai	III
253.	National	06.02.12 to 07.02.12	Mr. S.Vibuanandan Mr. A.Arun Vignesh	Renewable Energy resources	Park college of Engg & Tech Coimbatore	I
254.	National	10.02.12	Mr. R.Hanush	Image processing	Kumaraguru college of Technology	I
255.	National	23.02.12 to 24.02.12	Mr. G.Deepak Kumar Mr. T.Anbu Selvan	Fuzzy Logic in Power Generation System	Pondicherry University	I
256.	National	08.03.12	Mr. S.Vibuanandan Mr. A.Arun Vignesh	Recent trends in power system	Maharaja Engineering college, Avinashi	II
257.	National	10.03.12	Mr. J.Prasanth Ram Mr. G.Pradeep Mr. M.Thangaraj Mr. D.Santhosh kumar Mr. P.Prabhu	Green Power Hybrid System(P)	CII, Coimbatore Zone	II

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
258.	National	17.03.12 To 18.03.12	Mr. Inian Sri Malan Mr. S.R. Dhinesh Kumar Mr. K. Dhiyaneshwara	Hazardous gas Detection and Alerting system For Automobiles	PSG College of Technology, Coimbatore	II
259.	National	30.03.12 to 31.03.12	Mr.Dhinesh Mr.S.R. Kumar Mr.D. Inian Sri Malan Mr.K. Dhiyaneshwara	Hazardous gas Detection and Alerting system For Automobiles	Madras Institute of Technology Chennai	I
260.	National	16.02.12	Mr.M.Sarumathi	A Novel Adaptive Scheme for WIMAX OFDM System to improve QoS for Disaster Management	Sri Krishna college of Engineering	Best Paper Award
261.	National	22.03.12	Mr.E.Shalini	A Survey Of Single Channel Speech Enhancement Techniques for Isolated Worked Recognition	Kumaraguru College of Technology, Coimbatore	Best Paper Award
262.	National	30.03.12 to 31.03.12	Mr.P.Satheesh Kumar	Development of a Novel Algorithm for SVM-BDT Fingerprint Classifier based on Clustering Approach	EGS Pillay Engineering College, Naagapattinam	The paper is archived in IEEE explorer
263.	National	01.02.12	Ms.S. Dharani Ms.N. Sangeethapriya	An Innovative Method Using GPS Tracking, Win sin Technologies for Border Security & Tracking of	K.S.R. College of Engineering, Tiruchencode	II

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
				Vehicles		
264.	National	27.01.12	Ms.C. Sujitha Ms.K. Surekha	An efficient file search & Retrieval in Unstructured P2P Network based on UIM Socianet Access System	Coimbatore Institute of Technology, Coimbatore	I
265.	National	05.01.12	Mr.N. Aravindhraj Mr.R. Vishnuvarthan	Web Designing	Kumaraguru College of Technology, Coimbatore	I
266.	National	09.02.12	Ms.V. Bhuvaneshwari	ZigBee – A Wireless Personal Area Network	Info Institute of Engineering College, Coimbatore	II
267.	National	23.02.12	Ms.A. Ayesha Farha Ms.G. Ramya	Voice Activated Mobile Calculator	Kongu Engineering College, Perundurai	I
268.	National	07.03.12	Mr.R. Srinivasan Mr.LalithKumar Mr.Ramamoorthy	Pervasive Semantic Grid	Kongu Engineering College, Perundurai	II
269.	National	07.03.12	Mr.R. Srinivasan Mr.LalithKumar Mr.Ramamoorthy	QUADRIGIS	Kongu Engineering College, Perundurai	III
270.	National	14.03.12	Mr.M. Manoj Kumar Mr.E. Nandha Kumar	Multimedia Presentation	Coimbatore Institute of Engineering & Technology	III
271.	National	14.03.12	Mr.M. Manoj Kumar Mr.E. Nandha Kumar	Photography	Coimbatore Institute of Engineering & Technology	I
272.	National	21.06.12	Ms.R. Priyanka Ms.M. Sahanazbegam	Quiz	Angel college of Engineering & Technology, Tirupur	I
273.	National	18.08.12	Mr.R. Lokesh Kumar Mr.M. S. Kaviarasan	Plurmedian	Nandha Engineering College, Erode	I
274.	National	28.08.12	Mr.R.Dhinesh Kumar	National Level Technical	Sri Sivasburamaniya Nadar	I

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
			Mr.K.Dhiyaneshwaran Mr.D.Inian Sri Malan	Symposium EUPRAZIA 2012	College of Engineering	
275.	National	13.03.12	Mr.R.Shrikanth	Arm cortex	CEG,Guindy	I
276.	National	28.08.12	Mr.R.Dhinesh Kumar Mr.K.Dhiyaneshwaran Mr.D.Inian Sri Malan		Sri Sivasburamaniya Nadar College of Engineering	I
277.	National	11.08.12	Mr.C. Kanchana Nandan	Novel methods of ethanol production using mushroom cultivation as pretreatment strategy on low cost substrate	TNSCST	I
278.	National	11.08.12	Ms.E. M. Nithiya	Gelatin graft poly (ethyleneglycol dimethacrylate) nanoparticles for controlled drug delivery	TNSCST	I
279.	National	27.09.12– 29.09.12	Ms.S. Hemanth	Occurrences of <i>Clostridium perfringens</i> type A in fresh water fishes	Society of Biotechnology India	Shri C.V. Jacob Award
280.	National	18.10.12 19.10.12	Mr.Gaanappriya Mohan	Screening of plant pigments for dye sensitized solar cells	Muthayammal Engineering College, Rasipuram	Best Paper-Oral
281.	National	27.01.12	Mr.Vinoth Saran	Role of Computer on Embedded Electronics & System	CIT, Coimbatore	III

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
282.	National	27.01.12	Mr.R.S. Boopalan Mr.K.V. Raaghul Sibi	Near field Communication	CIT, Coimbatore	III
283.	National	15.02.12	Ms.Y. Shambavi Ms.J. Priya	Cloud Computing	K.S. R. collage of Engineering, Tiruchengode	Best Paper Award
284.	National	18.02.12	Mr.R. Senthilnathan Mr.Vengatasamy	Implementation Issues of a Cloud Computing Platform	EBET Knowledge Park, Kangayam	I
285.	National	24.02.12	Ms.S. Gayathridevi Ms.P. Dharanya	Application of Image Processing	Kumaraguru College of Technology, Coimbatore	I
286.	National	24.02.12	Ms.N. Merin Selvi Ms.K. Priyatharshini	Neural Network based licence plate Recognition System	Kumaraguru College of Technology, Coimbatore	I
287.	National	17.03.12	Mr.Lakshmi Narayan	Agrotronics	BITS-Pilani	I
288.	National	17.03.12	Ms.Jeena Jacob	Agrotronics	BITS-Pilani	I
289.	National	27.01.12 to 28.01.12	Ms.V.Sindhu	Design development and fabrication of bioreactor for solid substrate fermentation	CIT, Coimbatore	II
290.	National	27.01.12 to 28.01.12	Ms.S.Girija	Design development and fabrication of bioreactor for solid substrate fermentation	CIT, Coimbatore	II
291.	National	03.02.12	Ms.V.Sindhu	Design Development and Febrication of Bireactor for Bioethanal Production	Kongu Engineering College	II

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
292.	National	03.02.12	Ms.V.Sindhu	Ethanol Production By Solid State Fermentation from Pretreated low cost Substrate	Kongu Engineering College Perundurai	I
293.	National	03.02.12	Ms.S.Girija	Design Development and Febrication of Bireactor for Bioethanal Production	Kongu Engineering College Perundurai	II
294.	National	03.02.12	Ms.S.Girija	Ethanol Production By Solid State Fermentation from Pretreated low cost Substrate	Kongu Engineering College Perundurai	I
295.	National	15.02.12	Mr.K.Manoj	Microfluidic Linear Moving Bed Reactor	SRM University	I
296.	National	15.03.12 to 16.03.12	Mr.R. Arvind Balakrishnan	Biodegradable plastic from cheap natural sources	Arunai Engineering college Tiruvannamalai	II
297.	National	05.03.12 to 16.03.12	Mr.N. Senthilnathan	Biodegradable plastic from cheap natural sources	Arunai Engineering college Tiruvannamalai	II
298.	National	29.03.12 to 30.03.12	Mr.Gaanappriya Mohan I M.Tech	Natinal Technical Symposium	TamilNadu Agricultural University, Covai	Special Prize
299.	National	04.02.12	Ms.A. G.Mokila & Ms.Swaathy	Greener Approach in Apparel Industry	Kumaraguru College Of Technology, Coimbatore	III
300.	National	04.02.12	Ms.M.S.Shree Lekha	Fabric Ornate	Kumaraguru College of Technology, Coimbatore	II
301.	National	04.02.12	Ms.S.T.Laavanya Devi	Fabric Ornate	Kumaraguru College of Technology, Coimbatore	I

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
302.	National	11.02.12	Ms.G.Mokila & Ms.Swaathy	Flexible Modular Techniques	PSG College Of Technology,Coimbatore	III
303.	National	25.02.12	Ms.N. Sindhuja	Brain Controlled Car for Disabled using Artificial Intelligence	Dr. Mahalingam College of Engg & Tech, Pollachi	I
304.	National	25.02.12	Ms.N. Sindhuja	Code Fixing	Dr. Mahalingam College of Engg & Tech, Pollachi	II
305.	National	02.03.12	Mr.K. Gopinath	Paper Presentation	Sri Venkateswara College of Cmputer Applications & Management	I
306.	National	02.03.12	Mr.K. Arumugam	Paper Presentation	Sri Venkateswara College of Cmputer Applications & Management	I
307.	National	09.03.12	Mr.D. Kavin	Debugging	SNS College of Technology	I
308.	National	09.03.12	Mr.A. Kathirvel	Management Games	SNS College of Technology	II
309.	National	09.03.12	Mr.K. Gopinath	Management Games	SNS College of Technology	II
310.	National	09.03.12	Mr.S. Balagurunath	Management Games	SNS College of Technology	II
311.	National	09.03.12	Mr.K. Arumugam	Management Games	SNS College of Technology	II
312.	National	09.03.12	Mr.K. Arumugam	Management Games	SNS College of Technology	I
313.	National	09.03.12	Mr.K. Gopinath	Paper Presentation	SNS College of Technology	II
314.	National	12.03.12	Mr.K. Gopinath	Paper Presentation	Anna University of Technology	I
315.	National	12.03.12	Mr.K. Arumugam	Paper Presentation	Anna University of Technology	I

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
316.	National	09.03.12	Mr.K. Prabakaran	Debugging	SNS College of Technology Coimbatore	I
317.	National	09.03.12	Mr.K. Prabakaran	Management Games	SNS College of Technology Coimbatore	II
318.	National	24.01.12	Mr.A. Jeeva Anandh Mr.N. Arun	HR Game	Department of Management Studies, DJ Academy, Coimbatore	II
319.	National	24.01.12	Mr.S. Mahalingam Mr.B. Ramachandran	Finance Game	Department of Management Studies, DJ Academy, Coimbatore	II
320.	National	09.03.12	Mr.R. Sandeep Mr.R. Goutham	National Level Business Plan Carnival	Department of Management Studies, Chettinad College of Engineering & Technology, Karur	I
321.	National	28.02.12	Ms.N.B.Sasireka	Science Club	Kongu Engg College, Perundurai	I
322.	National	28.02.12	Ms.M.S.Sadhana Sree	Science Club	Science Club of Kongu Engg College, Perundurai	I
323.	National	28.02.12	Ms.J.Ranjani	Science Club	Science Club of Kongu Engg College, Perundurai	I
324.	National	28.2.12	Ms.M. Fathima	Green Tomorrow	Science Club of Kongu Engg College, Perundurai	I
325.	National	28.2.12	Ms.M. Malar Vizhi	Green Tomorrow	Science Club of Kongu Engg College, Perundurai	I
326.	National	31.03.12	Ms.M. Fathima	Technical Paper Presentation	Sengunthar Engg College Tiruchengode	II

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
327.	National	31.03.12	Ms.M. Malar Vizhi,	Technical Paper Presentation	Sengunthar Engg College Tiruchengode	II
328.	National	12.03.13 to 15.03.13	Mr. R. Pandiarajan Mr. P. Vignesh	Commercial Aircraft Without Control Surfaces	Jeppiaar Engineering college, Chennai.	II
329.	National	14.03.13	Mr. P. Sakthivel Mr. R. Pandiarajan	Commercial Aircraft Without Control Surfaces	The Rajaas Engineering College, Tirunelveli.	III
330.	National	12.03.13 to 13.03.13	Mr.N.Ram Prasanth	RC - Plane	Jeppiaar Engineering college, Chennai.	I
331.	National	29.01.13	Mr.C.Santhoshkumar	Symposium ZION-ELIXIR'13	KSR College of Technology, Tiruchengode	I
332.	National	29.01.13	Mr. M. Panneer Selvam	Symposium ZION-ELIXIR'13	KSR College of Technology, Tiruchengode	I
333.	National	18.01.13 to 20.01.13	Mr. D. Cibi Chakravarthi	Film Faire Fiesta – Elan 2013	IIT Hyderabad	I
334.	National	06.02.13 to 09.02.13	Mr. D. Cibi Chakravarthi	International sports and cultural carnical –Riviera 2013	VIT University, Vellore	I
335.	National	12.02.13	Mr. D. Cibi Chakravarthi	Syposium JET ELITEZ '2k13 – Short film contest	Jeppiaar Engg. College, Chennai	I
336.	National	14.02.13	Mr. D. Cibi Chakravarthi	Panjhakaksha Media lights Camera Action	Kumaraguru College of Technology, Coimbatore	I
337.	National	22.02.13	Mr. D. Cibi Chakravarthi	Touring Talkies	College of Engineering, Guindy Anna University, Chennai	II

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
338.	National	27.02.13	Mr. G. Periyamayagam	STRCTTURA -13	SNS College of Technology, Coimbatore	I
339.	National	27.02.13	Ms.Vidhya	STRCTTURA -13	SNS College of Technology, Coimbatore	I
340.	National	27.02.13	Mr. S. Yuvaraj	STRCTTURA -13	SNS College of Technology, Coimbatore	I
341.	National	27.02.13	Mr. R. Senthil Raja	STRCTTURA -13	SNS College of Technology, Coimbatore	III
342.	National	01.03.13	Mr. C. Santhosh Kumar	Symposium Karkkai Asthra'13	Anna University University College of Engineering Dindigul	II
343.	National	01.03.13	Mr. M. Panneer Selvam	Symposium Karkkai Asthra'13	Anna University University College of Engineering Dindigul	II
344.	National	01.03.13	Mr. S. Yuvaraj	Symposium Karkkai Asthra'13	Anna University University College of Engineering Dindigul	I
345.	National	08.03.13 to 09.03.13	Ms. S. Nivethitha	Geofest 2013	GCT, Coimbatore	I
346.	National	08.03.13 to 09.03.13	Ms.S. Keerthana	Geofest 2013	GCT, Coimbatore	I
347.	National	08.03.13 to 09.03.13	Mr.R. Senthil Raja	Geofest 2013	GCT, Coimbatore	I
348.	National	08.03.13 to 09.03.13	Mr.S. Yuvaraj	Geofest 2013	GCT, Coimbatore	I

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
349.	National	08.03.13 to 09.03.13	Ms.R. Sinthiya	Geofest 2013	GCT, Coimbatore	II
350.	National	08.03.13 to 09.03.13	Ms.B. Shivani	Geofest 2013	GCT, Coimbatore	II
351.	National	08.03.13 to 09.03.13	Mr.R. Senthil Raja	Geofest 2013	GCT, Coimbatore	II
352.	National	08.03.13 to 09.03.13	Mr.S. Yuvaraj	Geofest 2013	GCT, Coimbatore	II
353.	National	08.03.13 to 09.03.13	Ms.B. Shivani	Geofest 2013	GCT, Coimbatore	III
354.	National	08.03.13 to 09.03.13	Ms.R. Sinthiya	Geofest 2013	GCT, Coimbatore	III
355.	National	08.03.13 to 09.03.13	Mr.V. Selvakumar	Geofest 2013	GCT, Coimbatore	III
356.	National	08.03.13 to 09.03.13	Mr.S. Saran	Geofest 2013	GCT, Coimbatore	III
357.	National	07.03.13	Mr.V. Selvakumar	Landmark'2013	Sri Krishna College of Tech. Coimbatore	II
358.	National	07.03.13	Mr.P. Prasanth	Landmark'2013	Sri Krishna College of Tech. Coimbatore	II
359.	National	05.03.13	Mr.K. Santhosh	CEANS' 2013	Kongu Engg. College, Perundurai	II
360.	National	05.03.13	Mr.N.Thanikasala pradeep	CEANS' 2013	Kongu Engg. College, Perundurai	I

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
361.	National	05.03.13	Mr.D. Saranyan	CEANS' 2013	Kongu Engg. College, Perundurai	I
362.	National	13.03.13 to 14.03.13	Mr.V. Arjun	CARVE XIII	Sona College of Tech. Salem	I
363.	National	13.03.13 to 14.03.13	Mr.Mohamed Arish	CARVE XIII	Sona College of Tech. Salem	I
364.	National	13.03.13	Mr.N.Balasubramani	ADAGE'13	IRTT, Erode	I
365.	National	14.03.13 to 16.03.13	Ms.Niveditha	Civilisation'13	Anna University, Chennai	I
366.	National	14.03.13 to 16.03.13	S. Keerthana	Civilisation'13	Anna University, Chennai	I
367.	National	05.01.12	Mr.M. Sathish Kumar Mr.T. Santhosh Mr.S. Sri Raam	Axial Internal Combustion Engines	Kumaraguru College of Technology, Coimbatore	II
368.	National	05.01.13	Mr.R. Suganesh Mr.R. Ranjith Mr.A. Muthushankar	RC Car	Kumaraguru College of Technology Coimbatore	I
369.	National	05.01.13	Mr.H. Abdul Basheeth Mr.S. Aravindhan	IC Race	Kumaraguru college of Technology, Coimbatore	I
370.	National	05.01.13	Mr.J. Gowthaman Mr.A. Balajii Vishwanath	IC Race	Kumaraguru college of Technology, Coimbatore	II
371.	National	05.01.13	Mr.S. Sri ram Mr.M. Sathish Mr.M. Sathish Kumar	Thermal	Kumaraguru college of Technology, Coimbatore	II

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
372.	National	09.01.13 to 11.01.13	Mr.S. A. Yokesh Kumar Mr.G. Karthick	Drowsy Driver Detection System	The Automotive Research Association of India, Pune.	III
373.	National	24.01.13 & 25.01.13	Mr.V. Saran Vikash	Auto Assault	Coimbatore Institute of Technology, Coimbatore	II
374.	National	01.03.13 to 03.03.13	Mr.V. Tamilselvan Mr.N. Mubeen Mr.B. Dineshkumar Mr.M. S. Vishnu	DIRT DYNAMIX	PSG College of Technology, Coimbatore	I
375.	National	01.02.13 to 03.02.13	Mr.P. Gokul Mr.Abdul Basheeth Mr.A. Balaji Viswanath	Generation of Electricity from speed brakers	BITS Pilani K K Birla Goa Campus	III
376.	National	08.02.13	Mr.S. Sridharans Mr.G. S. Sibikannan	Energy Utilization from Air-Conditioner	Kumaraguru College of Technology, Coimbatore	II
377.	National	25.02.13 & 26.02.13	Mr.R. Sarveswaran	TRAXXAZ(RC Cars)	Park College of Engineering and Technology, Coimbatore	I
378.	National	25.02.13 & 26.02.13	Mr.R. Sarveswaran	Robowars	Park College of Engineering and Technology, Coimbatore	I
379.	National	01.03.13 to 03.03.13	Mr.S. A. Yokesh Kumar	Design of Rear Engine Cooling System	PSG College of Technology, Coimbatore	I
380.	National	01.03.13 to 03.03.13	Mr.V. Tamilselvan Mr.N. Mubeen	Dirt Dynamix	PSG College of Technology, Coimbatore	I

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
			Mr.B. Dinesh kumar Mr.M. S. Vishnu			
381.	National	01.03.13 to 03.03.13	Mr.S. A. Yokesh Kumar	Design of Rear Engine Cooling System	PSG College of Technology, Coimbatore	I
382.	National	04.03.13 to 06.03.13	Mr.S. A. Yokesh Kumar	Reducing the Temperature of Exhaust Gas using C-D Nozzle	College of Engineering, Guindy Anna University, Chennai	II
383.	National	04.03.13 to 06.03.13	Mr.S. A. Yokesh Kumar	Design of Rear Engine Cooling System	College of Engineering, Guindy Anna University, Chennai	II
384.	National	11.03.13 & 12.03.13	Mr.V. Tamil Selvan Mr.B. Dinesh Kumar Mr.N. Mubeen Mr.S. Gokul Raj Mr.S. Balaji S	RC Car	SONA College of Technology, Salem	I
385.	National	24.01.13	Mr.M.Gnana Priya	Paper Presentation	Coimbatore Institute of Technology, Coimbatore	I
386.	National	24.01.13	Ms.R.Sharmila	Paper Presentation	Coimbatore Institute of Technology, Coimbatore	I
387.	National	23.02.13	Mr.M.Gnana Priya	Paper Presentation	SVS College of Engineering, Coimbatore	I
388.	National	23.02.13	Mr.M.Kavya Thendral	Paper Presentation	SVS College of Engineering, Coimbatore	I
389.	National	01.03.13 To 2.03.13	Mr.D.Kaviyrasau	Short Flim	Janson Institute of Technology, Coimbatore	I

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
390.	National	13.03.13	Mr.V.Nijanthan	Line Botics	Sri Krishna College of Technology	I
391.	National	13.03.13 14.03.13	Mr.D.Kaviyrasau	Short Flim	GCT,Coimbatore	III
392.	National	27.12.12 To 28.12.12	Ms.M.Suryalakshmiprapha	Recent Trends in Control System and Power Electronics	Design and comparison of Arrays & Tree Multipliers using Different logic style	I
393.	National	11.01.13	Mr.M. Manikandan Mr.K .Kamalakaran III CSE A	Technical Marketing	Paavai Engineering College, Namakkal	IV
394.	National	11.01.13	Mr.R. Ganesh Mr.S. Manikandan III CSE A	Child Labor	Paavai Engineering College, Namakkal	II
395.	National	18.01.13	Mr.M. Mukesh III CSE B	Identity Card Using Radio Frequency Waves	K.S.R. College of Technology, Tiruchengode	II
396.	National	20.01.13 to 22.01.13	Mr.E. K. Muthuchelva III CSE A	-	Anurag Engineering College, Hyderabad	Merit
397.	National	24.01.13	Ms.A. Adhithya Ms.R. Archana III CSE A	Biometric Security	Coimbatore Institute of Technology, Coimbatore	I
398.	National	24.01.13	Ms.S. Dharanya Ms.K. S. Keerthana III CSE A	Image Processing - Neural Network based Vehicle License Plate Recognition System	Coimbatore Institute of Technology, Coimbatore	II

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
399.	National	24.01.13	M Sahanaz Begam P Smitha III CSE B	Analysis for Exploring Scope of Mobile Agents in Cloud Computing	Coimbatore Institute of Technology, Coimbatore	II
400.	National	30.01.13	Mr.M Manikandan Mr.S Manikandan III CSE A	RedTactoon	Muthayammal Engineering College, Rasipuram	II
401.	National	30.01.13	Mr.M Manikandan Mr.S Manikandan III CSE A	Old age Home	Muthayammal Engineering College, Rasipuram	II
402.	National	04.03.13	Mr.M Manoj Kumar Mr.E Nandhakumar	Thamizh Software Creation (Men Thamizh)	BIT	I
403.	National	04.03.13	Mr.E Nandhakumar	Multimedia Flash	BIT	I
404.	National	05.03.13	Mr.V Aravind Mr.M Mukesh	Identity Card Using Radio Frequency Waves	Coimbatore Institute of Engineering and Technology, Coimbatore	II
405.	National	06.03.13	Ms.B Divya Lakshmi Ms.G Nimisha	Vibrosinic Eye	SSM College of Engineering, Komarapalayam	I
406.	National	14.03.13	Ms.S Abinaya Ms.P. Asha Evangline	Blind People Can See through Tongue Using Brain Port	Hindusthan College of Engineering & Technology, Coimbatore	Selected as Best Paper
407.	National	14.03.13	Ms.S. Abinaya Ms.P. Asha Evangline	Gangway	Hindusthan College of Engineering & Technology, Coimbatore	I

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
408.	National	15.03.13	Mr.M. Manoj Kumar Mr.J. Manikandan	Implementation of Network Security in Honey Pot System	Adhiyamaan College of Engineering, Hosur	I
409.	National	08.03.13 to 10.03.13	Mr.E. K. MuthuChelva	Lead Facilitator for ISTE Student Leadership Program	ISTE & NITTE Meenakshi Institute of Technology, Bangalore	Merit
410.	National	18.03.13	Ms.S.Abinaya Ms.P. Asha Evangline	Blind People Can See through Tongue Using Brain Port	United Institute of Technology, Coimbatore	III
411.	National	10.08.13	Ms.A. Arsha Aaqib Ms.S. Chandra Mohan	Network Security and Quantum Cryptography	Angel College of Engineering and Technology, Tirupur	II
412.	National	24.01.13	Ms.R. Keerthana Ms.R. Mano Priya	Face Reconition using Image Processing	National Level Technical Symposium at Coimbatore Institute of Technology, Coimbatore	I
413.	National	02.02.13	Ms.T.V. Prakathi Ms.M. Sathya Roopa	Face Dection using PCA and Skin Tone Extraction for Drowsy Driver's Application	K.S. Rangasamy College of Technology, Tiruchengode	I
414.	National	28.02.13 to 2.03.13	Mr.R. Vadivel	Event of Prototype Evolution	Dr. Mahalingam College of Engineering and Technology, Pollachi	II
415.	National	28.02.13 to 2.03.13	Mr.R. Vadivel	Event of Strokes for WEB	Dr. Mahalingam College of Engineering and Technology, Pollachi	II
416.	National	28.02.13 to 2.03.13	Mr.S. Navaneethan Mr.V. Karthik Kannan	Cloud Computing	Dr. Mahalingam College of Engineering and Technology, Pollachi	II

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
417.	National	02.03.13	Ms.S. Permica Ms.S. Priyadarshini	Advanced Polling by IRIS Scanning	Kumaraguru College of Engineering, Coimbatore	II
418.	National	05.03.13	Ms.M. Anupriya	Project presentation	Coimbatore Institute of Engineering and Technology, Coimbatore	I
419.	National	05.03.13	Ms.P. Manoranjitham Ms.P. Dhivya	CHIT-CHAT in a Smartway	Coimbatore Institute of Engineering and Technology, Coimbatore	I
420.	National	07.03.13 to 08.03.13	Mr.R. Siddharth Mr.J. Saravanan	Event of Quiz Programme	IRTT, Erode	II
421.	National	11.03.13	Ms.P.K. Kowsalya Ms.S. Abinaya	Event of Code Jam	M. Kumarasamy College of Engineering, Karur	II
422.	National	11.03.13	Ms.P.K. Kowsalya Ms.S. Abinaya	Brain Galt Technology	M. Kumarasamy College of Engineering, Karur	II
423.	State Level	27.09.13 – 29.09.13	25 Batches	Product Exhibition	The GRD Centenary Celebration CODISSIA Ground, Coimbatore	-
424.	National	27.05.13 to 27.07.13	Mr.K.Chitdharth IV Year B Tech (Biotechnology)	Indian Science Academic Fellowship-Summer internship	IIT Mumbai	Fellowship
425.	National	27.05.13 to 27.07.13	Ms.M.Vigneshwari IV Year B Tech (Biotechnology)	Indian Science Academic Fellowship-Summer internship	IIT Mumbai	Fellowship

S. No.	Level	Date / Year	Student Name	Title	Venue	Prize
426.	National	25.05.13 - 24.07.13	Ms.M.Uma IV Year B Tech (Biotechnology)	Indian Science Academic Fellowship-Summer internship	IIT Mumba	Fellowship
427.	International	19.10.13 to 20.10.13	Mr.S.K.Darun, III Year EIE	A New Idea on Removing the Salt in Sea-water to make a Fresh Water Production Easier using Nano-graphene Process	International Conference on Nanostructures, Nanomaterials and Nanoengineering held in Jeju, Korea	-

Sports achievements

2009 - 10

1. K Janani, III Civil secured I Prize in the Women Hand Ball Tournament, held at Tamil Nadu College, Vallam during 08 - 09 September 2010
2. S Maheswaran, IV Civil secured Silver Medal in the Men Cricket Tournament conducted by Sri Krishna College of Engineering and Technology, Coimbatore during 04 - 06 February 2010.
3. M Jannan and R Prakash Kumar secured Runner Up in the Basket Ball Tournament conducted by Sri Krishna College of Engineering and Technology, Coimbatore during 04 - 06 February 2010.
4. A Swathika and M Sindhu, IV EEE secured Gold Medal in the Volley Ball Tournament conducted by Sri Krishna College of Engineering and Technology, Coimbatore during 30 September - 01 October 2009.
5. V Murali, III Civil received Rs 7500/- as the Runners in the Dr Sathikh State Level Soccer Tournament conducted during 24 - 27 September 2009
6. N S Madhuniha, III EEE and Anjana II EEE secured Gold Medal in the Women Volley Ball Tournament conducted in the Intercollegiate Tournament conducted during 07 - 10 October 2010 in Coimbatore Institute of Technology, Coimbatore
7. N Priyadharshini, III EEE, Secured Gold Medal in the Women Handball Tournament in the Intercollegiate Tournament conducted during 07 - 10 October 2010 in Coimbatore Institute of Technology, Coimbatore.
8. M Sindhu and B Kavya IV EEE secured Bronze Medal in the Women Hockey Tournament in the Intercollegiate Tournament conducted during 07 - 10 October 2010 in Coimbatore Institute of Technology, Coimbatore.
9. M Kalaimugil IV EEE secured Bronze Medal in the Women Athletes in the Intercollegiate Tournament conducted during 07 - 10 October 2010 in Coimbatore Institute of Technology, Coimbatore.
10. R Pradhap IV EEE secured Silver Medal in the Pole Vault in the Intercollegiate Tournament conducted during 07 - 10 October 2010 in Coimbatore Institute of Technology, Coimbatore.
11. T. Karthi, R. Thiyaneswaran, S.M. Siddharth IV Year IT won Gold Medal in the Erode District Division - A League Foot Ball Match during 25 - 27 September 2009.
12. R Ramya and U Shalini secured Silver Medal in Volleyball Surya Engineering College, Erode during 18 January 2010.
13. U Shalini secured Silver Medal in the Anna university zonal Basket Ball Womens Tournament during 27 - 28 August 2009.

14. P mahalakshmi, III B Tech secured Gold Medal in the Ball Badminton Tournament Zonal at Vellalar College of Engineering and Technology, Erode during 11 – 12 March 2010.
15. J. Vaishnavi V M. Sc secured Silver Medal in the Women Basketball, Hindusthan College of Engg. & Technology during 27-28 August 2009
16. Ms S Vinothini MSc (SE) secured Gold Medal in the Women Volley Ball at Sri Ramakrishna Engg College during 30 September – 01 October 2009.
17. Mr N Senthamizh Secured Silver Medal in Men Football at MAM College of Engg & Tech.during 25- 29 September 2009
18. Mr N Senthamizh and S Santhosh Raja Secured Gold Medal in Men Football at Kamadenu Arts & Sci College during 10 – 13 July 2009
19. Ms S Sakthi, IV CSE secured the 4th Place in the Intercollegiate Chess Competition at C.S.I. Engineering College, Ketti during 10 – 12 August 2009.

2010 - 11

20. G. K. Saranya of III BE (ECE) participated in Indian Sepaktakraw National Team. The team secured bronze medal in 26th King's Cup Sepaktakraw World Cup Championship 2011 held at Bangkok, Thailand during September 2011.
21. BIT bagged the Second place in the overall games and sports achievement category for the academic year 2011-12 among 31 colleges in the Coimbatore Zone of Anna University of Technology, Coimbatore.
22. BIT Men's Football and Handball teams secured the Gold Medal in intercollegiate tournaments of Zone-5 Coimbatore of Anna University of Technology, Coimbatore.
23. BIT Men's Hockey, Tennis, Badminton and Kabadi teams secured the Silver Medal each in the Anna University of Technology Coimbatore Zonal Tournament held at various venues.
24. BIT Men's Basketball, Table Tennis, Chess and Cricket teams secured the Bronze Medal in the Anna University of Technology Coimbatore Zonal Tournament.
25. BIT Women's Table Tennis team secured Gold Medal in the Anna University of Technology Zonal Tournaments.
26. BIT Women's Ball Badminton teams won the Silver Medal in the Anna University of Technology Zonal Tournaments.
27. BIT Women's Basketball and Badminton Teams Secured Bronze Medal each in the Anna University of Technology Zonal Tournaments.
28. BIT Men's Athletic team secured the Overall Runner-up position in the Anna University of Technology, Coimbatore Zonal Athletic Meet, which includes 1 Gold, 3 Silver and 6 Bronze Medals.

29. BIT Women's Athletic team secured Overall Third place with 2 Silver Medals and 7 bronze medals in the Anna University of Technology, Coimbatore.
30. BIT Men's Handball and Women Tennis teams won Silver Medals each in the Anna University of Technology, Coimbatore Inter Zonal tournament held at Kumaraguru College of Engineering & Technology, Coimbatore.
31. BIT Women's Cricket and Hockey teams secured Bronze Medal each in the Inter Zonal Tournaments held at KSR College of Engineering and Technology, Tiruchengode and Government College of Engineering, Salem respectively.
32. Following Students were selected to represent the Erode Zone in the Anna University of Technology, Coimbatore Inter Zonal Tournaments held at various Colleges for the achiever excellence in sports event performance and sportsmanship spirit.

S. No	Name	Class	Event	Medal
1	A.Mohammed Ashique	IV BE Civil	Badminton	Gold Medal
2	Ms.S. Jannaniy	III BE (EIE)	Badminton	Gold Medal
3	K.S. Nivedhitha	II BE (CSE/)	Badminton	Gold Medal
4	D. Dhivya	IV BE (CSE/)	Badminton	Silver Medal
5	R. Muthupriya	III BE (CSE/)	Badminton	Silver Medal
6	Thiyagaselvi	III BE (ECE/)	Badminton	Silver Medal
7	U.S. Saranya	III B.Tech. (IT)	Badminton	Silver Medal
8	G. Nithya	III BE (CSE/)	Badminton	Silver Medal

33. Arthi Philo of IV BE (EEE) has secured 5 Gold, 1 Silver and 2 Bronze medals in various categories of Rifle Shooting held at Chennai Rifle Club Range, Chennai during 2011.
34. BIT hosted Inter Collegiate Women Table Tennis Tournament of the Anna University of Technology, Coimbatore Zone – 5 (Erode Zone) on 02.10.2011.
35. BIT has organized Coimbatore Inter Zonal Men Tennis Tournament of the Anna University of Technology, Coimbatore during 13-14 October 2011.

2011-12

36. BIT achieved Second place in the overall games and sports achievement category for the academic year 2011-12 among 31 colleges in the Coimbatore zone of Anna University of Technology, Coimbatore.

37. BIT Men's Football and Handball team secured Gold medal in intercollegiate tournaments of Zone-5 Coimbatore of Anna University of Technology Coimbatore.
38. BIT Men's Hockey, Tennis, Badminton and Kabaddi teams secured a Silver Medal each in the Anna University of Technology Coimbatore Zonal Tournament held at various venues.
39. BIT Men's Basketball, Table Tennis, Chess and Cricket teams secured Bronze Medal in the Anna University of Technology Coimbatore Zonal Tournament.
40. BIT Women's Table Tennis team secured Gold Medal in the Anna University of Technology zonal tournaments.
41. BIT Women's Ball Badminton teams won the Silver Medal each in the Anna University of Technology zonal tournaments.
42. BIT Women's Basketball and Badminton Team Secured Bronze Medal in the Anna University of Technology zonal tournaments.
43. BIT Men's Athletic team secured the overall Runner-up position in the Anna University of Technology, Coimbatore Zonal Athletic Meet, which includes 1 Gold, 3 Silver and 6 Bronze Medals.
44. BIT Women's Athletic team secured overall Third place with 2 silver medals and 7 bronze medals in the Anna University of Technology, Coimbatore.
45. BIT Men's Handball and Women Tennis teams won Silver medals each in the Anna University of Technology, Coimbatore Inter Zonal tournament held at Kumaraguru College of Engineering & Technology, Coimbatore.
46. BIT Women's Cricket and Hockey teams secured Bronze Medal each in the Inter Zonal Tournaments held at KSR College of Engineering and Technology, Tiruchengode and Government College of Engineering, Salem respectively.
47. Following Students were selected to represent the Erode Zone in the Anna University of Technology, Coimbatore Inter Zonal Tournaments held at various Colleges They achieved excellence in sports event performance and sportsmanship spirit.

S. No	Name	Class	Event	Medal
1	A.Mohammed Ashique	IV BE Civil	Badminton	Gold Medal
2	Ms.S. Jannaniy	III BE (EIE)	Badminton	Gold Medal
3	K.S. Nivedhitha	II BE (CSE/)	Badminton	Gold Medal
4	D. Dhivya	IV BE (CSE/)	Badminton	Silver Medal
5	R. Muthupriya	III BE (CSE/)	Badminton	Silver Medal
6	Thiyagaselvi	III BE (ECE/)	Badminton	Silver Medal
7	U.S. Saranya	III B.Tech. (IT)	Badminton	Silver Medal
8	G. Nithya	III BE (CSE/)	Badminton	Silver Medal

48. G. K. Saranya of III BE (ECE) participated in Indian sepaktakraw national team. The team secured bronze medal in 26th King's Cup Sepaktakraw World Cup Championship 2011 held at Bangkok, Thailand during the month of September 2011.
49. A. Arthi Philo of IV BE (EEE) has secured 5 Gold, 1 Silver and 2 Bronze medals in various categories held at Chennai Rifle Club Range, Chennai during the year 2011.
50. BIT hosted Inter Collegiate Women Table Tennis Tournament, of the Anna University of Technology, Coimbatore Zone - 5 (Erode Zone) on 02.10.2011.
51. BIT has organized Coimbatore Inter Zonal Men Tennis Tournament of the Anna University of Technology, Coimbatore during 13th and 14th of October 2011.
52. P. S. Abrar Ahamad of II BE (Mech) secured Gold medal (Shot put) in Erode district Atheletic meet at VOC Park Stadium, Erode during 15-16 July 2012.
53. M. Prabakaran of II BE (Aero) secured Silver medal (110m Hurdles) in Erode District Atheletic meet at VOC Park Stadium, Erode during 15-16 July 2012.
54. BIT Men's Football, Tennis teams secured the Gold Medal in the Anna University Chennai Inter Collegiate Tournament.
55. BIT Men's tennis team secured the Silver Medal in the Anna University Chennai Inter Collegiate Tournament.
56. Zonal Combined Men's Handball Hockey team secured the Silver Medal in the Anna University Chennai Zonal Tournament.
57. BIT Women's Table Tennis team secured the Gold Medal in the Anna University Chennai Inter Collegiate Tournament.
58. BIT Women's Table Handball, Basketball teams secured the Silver Medal in the Anna University Chennai Inter Collegiate Tournament.
59. BIT Women's Ball Badminton team secured the Silver Medal in the Anna University Chennai Inter Collegiate Tournament.
60. BIT Women's Hockey team secured the Silver Medal in the Anna University Chennai Zonal Tournament.

2012-13


61. BIT Women's Tennis team secured the Silver Medal in TIES' 2013.
62. Ms. M. Gayathri of I BE (Civil) has secured 2 Gold and 1 Silver medals in various th categories of 56 State Cycling Championship 2012 held at VMHS, Sirumugai.
63. Ms. E. Abinaya, III BE (Civil) and Ms. M. Gayathri I BE (Civil) were selected to represent hockey and cycling respectively in the South Zone and All India Inter University Tournaments held at MG University, Kottayam and Kerala

University, 39 Trivandrum respectively for the achiever excellence in sports event performance and sportsmanship spirit.


64. M. Bhuvaneswari, II Year secured III Prize in the Regional level Shuttle Badminton Tournament conducted at Adiyaman College of Engineering, Hosur during 11.02.2013 to 15.02.2013.
65. K.Vinothkumar, II year Biotechnology, secured IV position in the Inter-State Yoga Competition organized by Kovai Gandhi Park Yogasana Sangam on 20.10.13.
66. BIT Cricket team emerged as the winner in the Zonal Cricket Match conducted by Anna University, Chennai during 29. 08.2013 to 03.09.2013.
67. BIT Men Basket Ball team secured III position in Anna University Zonal Tournament Basketball (Men) at Excel Engineering College, Komarapalayam during 11.09.2013 to 12.09.2013.

The constitution and functions of APEX committee

FROM : B. I. T. Sathy FRM NO. 104295-226666 25 Mar. 2013 21:33PM P1



BANNARI AMMAN INSTITUTE OF TECHNOLOGY
An Autonomous Institution Affiliated to Anna University - Chennai • Approved by AICTE • Accredited by NBA & NAAC with "A" Grade
SATHYAMANGALAM - 638 401 ERODE DISTRICT TAMIL NADU INDIA
Ph : 04295-226000 / 221289 Fax : 04295-226006 / 223775 E-mail : btsathy@bannari.com Web : www.btsathy.ac.in



25.3.2013

PROCEEDINGS

H.O.
26/3/13

Thanks to the efforts of the Chief Executive, Principal, HODs, Professors, all faculty members, students and all the other non-teaching staff, the college has been performing well as evidenced by laurels and recognitions received from many agencies at the regional as well as National level. While the college has a clearly laid down vision and mission, keeping in mind the vision and mission, a specific target was considered necessary and is prescribed now to provide a clear direction and focus to the efforts of all concerned in the college. In the backdrop of the bright students we have, best of the faculty members the college possess and with world class infrastructure it has, it should be easily possible for our college to become one of the top best Engineering Institutions in the country within a period of five years. The college will roll up its sleeves and strive to achieve the target.

In order to facilitate the college to achieve this extraordinary feat, decentralization and delegation of powers become necessary. Therefore an Apex Committee is hereby constituted and it is decided to vest powers of sanction and supervision. It is also decided to make it available in the college all the time to facilitate the process of smooth and efficient functioning of the institution with a clear focus on the target set in the paragraph above.

The **Apex Committee** will have three members namely Dr A M Natarajan, Chief Executive, Dr A Shanmugam, Principal and Dr M P Vijayakumar, Honorary Advisor. The Principal will be the convener of the Apex Committee. The Apex Committee will meet at least once in a week and more, as often as necessary. The **Apex Committee** will have the Financial powers to spend not

exceeding Rupees Five Lakhs per year. It will take all decisions, administrative and academic, subject to overall supervision of the *Chairman*. The minutes of every meeting containing the proceedings of the meeting with all the decisions taken will be sent to *Chairman* immediately through email.

The **Apex Committee** will hear and scrutinise all the proposals / suggestions / recommendations emanating in the college, decide and take immediate follow up action. **The intention of forming the Apex Committee is to delegate powers so as to avoid any delay whatsoever in the process of decision making, ensure complete transparency and objectivity and take prompt and systematic follow up action.** Therefore the committee should act keeping this spirit of objectivity in mind and dispose of matters diligently. The committee will be available at fixed time for all the HODs, Faculty members, students or any one who wish to make representation.

The Principal will continue to be the Administrative and Academic Head of the Institution.

The Committee will take decisions in the following matters. The list is only indicative and not exhaustive

- Budget Proposal - Consumables, Non-Consumables, maintenance, functions etc: Sanctions and Implementations
- Review of performance of various departments and faculty members and give directions
- Staff/Students discipline and counseling
- New innovative practices/ schemes and initiatives to improve quality
- Development of departments, labs, Library
- ~~R&D, Consultancy, Extension works~~ , Industry defined Problems (IDP), Social Significant Problems (SSP) etc

- Industry Institute Tie-ups, MOU, Projects etc
- Industry training and internship for staff and students
- Staff recruitment, promotional issues, transfers and faculty development programmes
- Staff and students welfare programmes
- Placement Strategies and Training
- Curriculum Development, Syllabus, Text Book Class room process, Examination System review and Performance Review
- Policy guidelines and New Strategies
- Foreign Universities tie-up
- Publication of Magazines, Newsletters, Diary and Documentation
- Preparation of calendar of events for the subsequent years
- Inviting dignitaries, functions, institution promotional activities
- Promotion of games, sports, NCC, NSS and all club activities
- Staff/Students leave, on duty and vacation
- Participation of faculty members, non teaching and students in curricular / co-curricular and extra-curricular activities
- Alumni involvement, participation and meetings
- Maintenance of all assets in the campus including Hostels and Mess, transport arrangements, vehicles etc
- Monitoring of utilization of stationery, water, power and other consumables / utilities
- Security systems
- Government approval for schemes, buildings, Projects etc.
- All matters relating to audit and accreditation process / follow-up

actions

- Public awareness strategies and programmes

The Committee will have the responsibility of sanction and powers of monitoring and supervision in all the matters listed above. The Committee will have powers to form Sub-Committees to assist it in the discharge of above functions. The Sub-Committees formed will


Bannari Amman Institute of Technology
Sathyamangalam

Continuation Sheet

discharge the assigned functions and report to the **Apex Committee**.
The **Apex Committee** can make all decisions which do not have
financial implications and decisions with financial implications subject to
over all ceiling mentioned above. The entire process is subject to over
all supervision of *Chairman*.

The Chief Executive and the Principal will meet the *Chairman* once in a
fortnight and apprise him of the development in the fortnight.

This Order takes immediate effect.


(S V Balasubramaniam)
Chairman

To -

The Chief Executive

The Principal

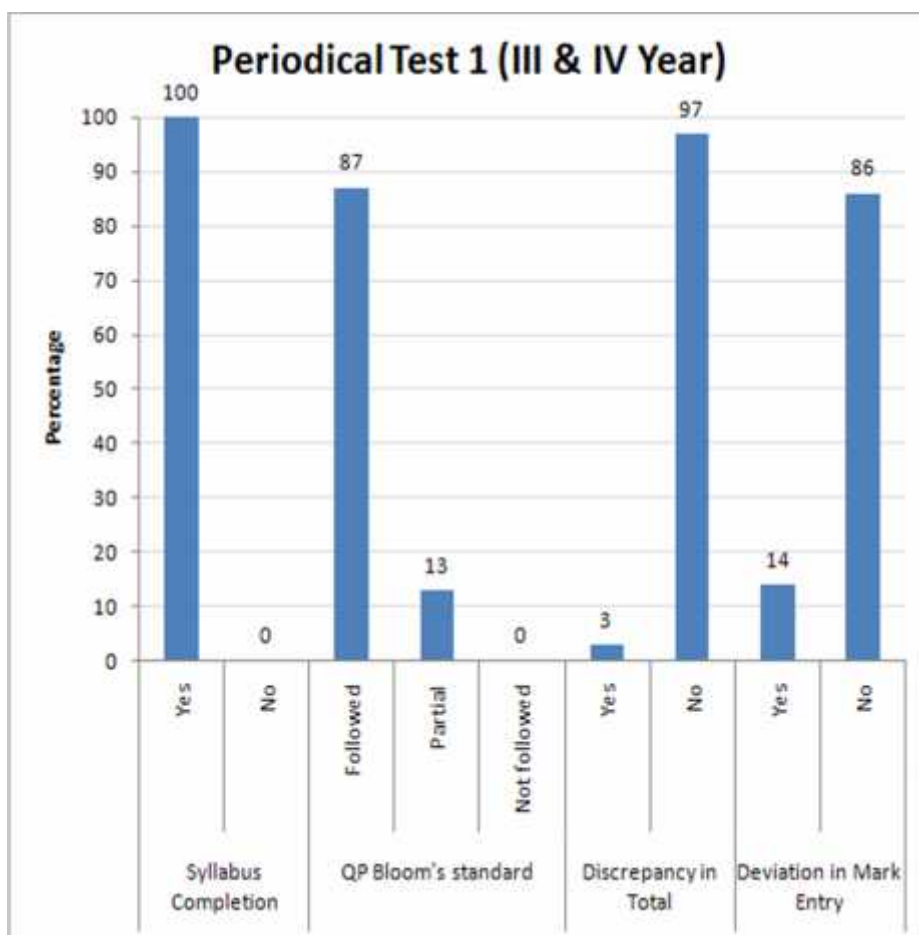
All the HODs

ACADEMIC AUDIT REPORT FOR ODD SEMESTER PERIODICAL TEST 1 - II YEAR UG & II YEAR PG - 2014-2015

Dept.	Auditor	Auditee Name	Course Code	Course Name	Year	Sem.	Sec.	Syllabus Completed	Remarks	Question Paper Standard	Remarks	Mark Entry Deviation	Remarks
EEE	Mr. S. Ramesh	Mr. S. Elangovan	11E304	Dc machines & Transformers	II	III	A	Yes		Followed		Yes	141EE513 - 12 marks deviation
EEE	Mr. S. Ramesh	Dr. V. Balamurugan	11E305	Measurement & Instrumentation System	II	III	B	Yes		Followed		Yes	131EE199 - 4 marks deviation
IT	Mrs. M. Kalamani	Dr. R. V. Nataraj	11IT302	Data Structures and Algorithms I	II	III	A	Yes		Undefined		Yes	132IT114- The Total mark inside the paper is 25 out of 40 and he is entered in front page of paper as 26 out of 40.
IT	Mrs. M. Kalamani	Mr. R. Arulmurugan	13SE62	Mobile and Pervasive Computing	II	III	A	Yes		Followed		Yes	He lost the log book and put new one. Now, the syllabus contents are entered partially in the new log book.
CSE	Dr. G. Natarajan	Mr. C. Ramesh	11Z304	Data Structures	II	III	A	Yes	Log book incomplete & no HOD signature	Followed		No	-
ECE	Mr. S. Ramesh	Ms. R. Jeevatha	11L304	Analog Electronics - II	II	III	D	No	Heavy syllabus in unit I.	Followed			

ECE	Mr. S. Ramesh	Ms. M. Kalamani	11L303	Signals & Systems	II	III	A	No	Syllabus heavy in Unit-I. More derivation part takes more time.	undefined		No	-
Aero	Mr. L. Vijaya Kumar	Mr. D. Lakshmanan	11A305	Control Engineering	II	III	A	Yes		Partially Followed	All levels were not covered	No	-

ACADEMIC AUDIT REPORT 2014-2015 ODD SEMESTER



Coordinator

Feedback

FEEDBACK ON CURRICULAM ASPECTS FROM INDUSTRIES

External Peer Review Form For Engineering Education Curricular Aspects	
In addition to answering the questions on this form, please mark sections of the manuscript that <ul style="list-style-type: none"> > Need clarification > Where content is confusing or incorrect > Where content seems inconsistent from section to section 	
Subject code: <u>11E304</u>	Subject Name: <u>DC Machines & Transformers</u>
Company Name: <u>Hindusthan Heavy Electricals & Pwt. Ltd.</u>	
What is the strength of the course?	
Describe the major weaknesses of the course:	
Suggestions and Comments: <ul style="list-style-type: none"> → Energy Efficient transformers can be included. → Structural design of transformer can be added. → Vector group should be application specific in unit 5. → Harmonics related to transformers can be added. 	
Signature with seal	

II. Feedback on curricular aspects from STUDENTS

STUDENTS FEEDBACK FORM ON CURRICULUM			
Name: <i>Chitra S</i>		Class & Branch: <i>I- Year M E VLSI Design</i>	
S.No.	PARTICULARS	YOUR OPINION HERE IN DETAIL	Points on a 10 point scale
1.	Is the curriculum complete	<i>Yes</i>	<i>10</i>
2.	Is the teaching faculty able to meet the standards for teaching the curriculum	<i>Yes</i>	<i>10</i>
3.	Is the administration responsive to your needs for academic enhancement	<i>Yes</i>	<i>10</i>
4.	Are the lab facilities adequate?	<i>No, not adequate</i>	<i>6</i>
5.	Do you get sufficient help from lab staff?	<i>Mentor graphics can be implemented</i> <i>Yes</i>	<i>8</i>
6.	Are the placement facilities available adequate?	<i>Yes</i>	<i>8</i>
7.	Do you think a sport is important in the Engineering curriculum?	<i>Yes Yes</i>	<i>10</i>
8.	Any other information on curriculum?	<i>Rules regarding elective selection can be strict.</i>	<i>8</i>
9.	Write your suggestions/complaints at the back of the sheet.		

Very Good (10)

 Good (8)

Satisfactory (6)

Inadequate (4)

Barely Inadequate (2)

II. Feedback on curricular aspects from ALUMNI

Name : S. DHANDABANI		Class & Branch : CIVIL ENGINEERING (B.T)	
Year of Graduation : 2008			
S.NO.	PARTICULARS	YOUR OPINION HERE IN DETAIL	Points on a 10 point scale
1.	How good were teaching facilities in the College?	—	8.0
2.	How was the Institutional facility useful for you?	—	9.0
3.	Are you satisfied with your Stay in the College? In What Way.	Friendly staff's, lots of amenities to improve knowledge.	8.0
4.	Is the hands on experience you gathered in the College helpful to get placement.	—	9.0
5.	How far the curricular aspects are useful in the industry	—	7.0
6.	Do you have any suggestions to improve the curriculum to meet the industry needs?	Students should get more Practical experience by doing many site visits to real construction sites.	7.0
7.	Any alumni remarks at the back of the sheet	If possible can arrange every year a alumni get togethers.	7.0

Very Good (10) ✓ Good (8) Satisfactory (6) Inadequate (4) Barely Inadequate (2)

FEEDBACK ON CURRICULAM ASPECTS FROM ACADEMIC PEER

**External Peer Review Form
For Engineering Education Curricular Aspects**

In addition to answering the questions on this form, please mark sections of the manuscript that

- Need clarification
- Where content is confusing or incorrect
- Where content seems inconsistent from section to section

Subject code: 11E604

Subject Name: Power System Protection & Switching

Institution Name: PSG College of Tech, Coimbatore

What is the strength of the course?

Fair.

Describe the major weaknesses of the course:

Outdated syllabus

Suggestions and Comments:

1. The subject is not so relevant to new technology
2. For unit 15 hrs is not enough
3. The text book & reference book edition should be checked.

J. Kanakaraj
Signature with seal

Dr.J. KANAKARAJ, Ph.D, MSTE, MSSI
Associate Professor
Department of Electrical &
Electronics Engineering
PSG College of Technology
Coimbatore - 641 004



BUDGET REQUIREMENT 2014 – 2015

Department of.....

Date :

LABORATORY EQUIPMENT

FORMAT – I

Sl.No.	Name of the Item	Quantity	Approximate Cost / Item in (₹)	Total Cost [Approximate] in (₹)
			Total	

COMPUTER & ACCESSORIES

FORMAT – II

Sl.No.	Name of the Item	Quantity	Approximate Cost / Item in (₹)	Total Cost [Approximate] in (₹)
			Total	

SOFTWARE PURCHASE

FORMAT – III

Sl.No.	Name of the Item	Quantity	Approximate Cost / Item in (₹)	Total Cost [Approximate] in (₹)
			Total	

LABORATORY CONSUMABLES

FORMAT – IV

Sl.No.	Name of the Item	Required for 2012-2013 ()
TOTAL		

MAINTENANCE & SPARES

FORMAT – V

Sl.No.	Name of the Item	Required for 2012-2013 ()
TOTAL		

FACULTY DEVELOPMENT

(Training / Conference / Workshop / Seminar / Symposia, etc.,)

FORMAT – VI

Registration Fee	Travel Allowance	Total Estimate in ()

GUEST LECTURE / SYMPOSIA

FORMAT – VII

Sl.No.	Particulars	Total Estimate in ()
1.	Guest Lecture	
2.	Symposia	
3.	Conference & Seminar	
4.	Work Shop	
5.	Honorarium of BoS & TA / DA	

6.	Learning Resource (NPTEL, etc.)	
7.	Teaching Aids (LCD / OHP, etc.)	
8.	Other Academic Activities	

RESEARCH & DEVELOPMENT

FORMAT – VIII

Sl.No.	Particulars	Total Estimate in (₹)
1.		
2.		
3.		

TOTAL BUDGET

FORMAT – IX

Description	Format(s)	Total in (₹)
Laboratory Equipment	I	
Computer & Accessories	II	
Software Purchase	III	
Laboratory Consumables	IV	
Maintenance & Spares	V	
Faculty Development	VI	
Guest Lecture / Symposia	VII	
Research & Development	VIII	
GRAND TOTAL (I+II+III+IV+V+VI+VII+VIII)		

HoD

PRINCIPAL