



YEARLY STATUS REPORT - 2022-2023

Part A

Data of the Institution

1.Name of the Institution	BANNARI AMMAN INSTITUTE OF TECHNOLOGY
• Name of the Head of the institution	Dr PALANISAMY C
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	04295226050
• Alternate phone No.	04295226000
• Mobile No. (Principal)	9842217170
• Registered e-mail ID (Principal)	principal@bitsathy.ac.in
• Address	Sathy-Bhavani State Highway, Alathukombai P.O.
• City/Town	Sathyamangalam
• State/UT	Tamil Nadu
• Pin Code	638401
2.Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	27/02/2008
• Type of Institution	Co-education
• Location	Rural

• Financial Status	Self-financing
• Name of the IQAC Co-ordinator/Director	Dr RAMESH KUMAR T
• Phone No.	04295226046
• Mobile No:	9486084456
• IQAC e-mail ID	headiqac@bitsathy.ac.in
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.bitsathy.ac.in/wp-content/uploads/NAAC-AOAR-2021-2022.pdf
4.Was the Academic Calendar prepared for that year?	Yes
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.bitsathy.ac.in/academic-calendar/

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.11	2009	15/06/2009	14/06/2014
Cycle 2	A	3.57	2015	03/03/2015	02/03/2020
Cycle 3	A+	3.36	2021	08/02/2021	07/02/2026

6.Date of Establishment of IQAC**17/12/2009****7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?**

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
Dr.Sanjoy Deb / ECE	Small Grant	The Elephant Managers Association	06/07/2022	Rs. 1,16,000
Dr.A.Jayaraman / Civil	IVP	EDII	07/07/2022	Rs. 2,50,000
Dr.R.Harikum	GOC	AICTC	01/08/2022	Rs. 49,300

ar / ECE				
Dr.L.Dinesh Kumar / BT	Start-up	SERB	22/08/2022	Rs. 20,50,000
Dr.L.Rajasekar / EIE	R&D	IEI	24/08/2022	Rs. 59,275
Dr.S.Jegadheswaran / Auto	QIP	AICTE	06/09/2022	Rs. 1,65,000
Mrs.Andril Alagusabai / EEE	Seminar	DBT	20/09/2022	Rs. 59,500
Dr.K.Sivakumar / Mech	ATAL	AICTE	27/09/2022	Rs. 3,00,000
Dr.N.Karthiga Shenbagam / Civil	ATAL	AICTE	30/12/2022	Rs. 3,00,000
Dr.I.Shanmuga Sundari / BT	Student Project Scheme	TNSCST	06/03/2023	Rs. 7,500
Mr.Nimkar Amey Sanjay / Agri	Student Project Scheme	TNSCST	06/03/2023	Rs. 7,500
Dr.M.Kirupa Shankar / BT	Student Project Scheme	TNSCST	06/03/2023	Rs. 7,500
Mr.B.Jeyanth / Civil	Student Project Scheme	TNSCST	06/03/2023	Rs. 7,500
Mr.B.Saravanan / Auto	Student Project Scheme	TNSCST	06/03/2023	Rs. 7,500
Dr.V.N.Vijayakumar / Physics	DAE	UGC	23/03/2023	Rs. 7,61,000
Dr.V.N.Vijayakumar / Physics	RFRS	TNSCST	27/04/2023	Rs. 3,00,000

8. Provide details regarding the composition of the IQAC:		
<ul style="list-style-type: none"> Upload the latest notification regarding the composition of the IQAC by the HEI 	View File	
9.No. of IQAC meetings held during the year	4	
<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? 	Yes	
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded	
10. Did IQAC receive funding from any funding agency to support its activities during the year?	No	
<ul style="list-style-type: none"> If yes, mention the amount 		
11. Significant contributions made by IQAC during the current year (maximum five bullets)		
Research Park and Startups are established to enhance research and entrepreneurial activities.		
A Student Support Desk has been introduced to address student concerns related to Academics, the BIP Portal, fees, skills, hostel, special labs, transportation, and non-academic matters, providing assistance and redressals as needed.		
QR codes have been affixed to the equipment to facilitate easy access to information regarding their location, specifications, calibration, and user manuals.		
The IQAC conducted several audits and training sessions focused on NBA accreditation, leading to accreditation for six undergraduate programs (AU, AG, MC, EE, EI, and IT) by the NBA.		
An indoor stadium with four wooden badminton courts has been meticulously constructed, offering enthusiasts a premium sporting experience.		
12. Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:		

Plan of Action	Achievements/Outcomes
<p>Enhancing research activities by creating centers.</p>	<p>The institution is constantly updating its research facilities through a centralized research facility comprising 10 research laboratories specifically for our institute's faculty members and students to carry out massive research activities.</p>
<p>Maintaining Green Campus - Use of bicycles/battery powered vehicles, pedestrian friendly pathways, and restricted entry of automobiles.</p>	<p>Maintaining a green campus involves various strategies to reduce carbon emissions, promote sustainability, and create a healthier environment for the campus community. Implementing the use of bicycles, battery-powered vehicles, pedestrian-friendly pathways, and restricting the entry of automobiles can significantly contribute to achieving these goals.</p>
<p>Alternate source of energy and energy conservation (Solar Panels, Use of LED bulbs, sensor based energy conservation).</p>	<p>Implementing solar panels, LED bulbs, and sensor-based energy conservation measures significantly contribute to a sustainable campus. Solar panels harness renewable energy, LED bulbs reduce electricity consumption, and sensors optimize energy usage. Together, they mitigate carbon footprint and lower utility costs. Integrating these solutions promotes eco-friendly practices and fosters a culture of energy awareness among the campus community, ensuring a greener and more efficient future.</p>
<p>Construction of an indoor stadium.</p>	<p>Four indoor wooden badminton courts have been meticulously constructed, offering enthusiasts a premium sporting</p>

	experience.
Construction of a separate block for the Medical center.	A dedicated block for the medical center has been constructed, providing a specialized and centralized space for healthcare services.
Introducing QR code system to ensure the asset location.	QR codes have been affixed to the equipment to facilitate easy access to information regarding their location, specifications, calibration, and user manuals.
Introducing the Student Support Desk.	Student Support Desk is deployed to help student's redressals related to Academics, BIP Portal, Fees, Skill, Hostel, Special Lab, Transportation and Non-Academics. Students are enabled to post their issues related to the above verticals directly to the concerned authority. Upon satisfactory completion, students will close their issue on their own.
Organizing Hackathons for students to unleash their talents in the field of hardware and to develop solutions for pressing issues.	BITHACK is an internal Hackathon designed to offer students the opportunity to showcase their talents separately in hardware and software, with mentoring provided by industry experts.
13. Was the AQAR placed before the statutory body?	No
<ul style="list-style-type: none"> Name of the statutory body 	
Name of the statutory body	Date of meeting(s)
Nil	Nil
14. Was the institutional data submitted to AISHE ?	Yes

- Year

Year	Date of Submission
AY 2022-2023	03/04/2024

15. Multidisciplinary / interdisciplinary

a) Plans of the institute for Multidisciplinary Education: Implementation of Minor vertical courses. Open electives Project work in VII and VIII semesters One-credit Course Formulation of Centre For Research (CFR) facilities to do multidisciplinary research. Introduction of co-curricular activities and extracurricular activities in the curriculum from academic year 2024-25 Introduction of Social relevant project in the curriculum from academic year 2024-25 b) Integration of humanities and science with STEM and the detail of programs with combinations: Not applicable. c) Does the institution offer flexible and innovative curricula? Yes, in order to enhance holistic and multidisciplinary education Bannari Amman Institute of Technology offers flexible and innovative curriculum for students includes Curriculum flexibility Innovative curriculum Elective courses Open electives NPTEL online courses One-credit courses Internship / Industrial training Self-Study electives Add courses Drop courses Theory with Lab component Other Language courses (Hindi, Japanese, French, German, and Tamil) Socially Relevant Projects Outcome based Lab task Open electives offered by Physics and Chemistry department Startup management course introduced in the curriculum The students are facilitated with industry collaborating special laboratories to do multidisciplinary projects, solving real world problems and innovative projects. Further, Environmental science courses and Startup Management courses are offered as core course in the curriculum. d) Plan for offering a multidisciplinary flexible curriculum that enables multiple entry and exits at the end of 1st, 2nd and 3rd years of undergraduate education while maintaining the rigor of learning: Not applicable. e) Plans to engage in more multidisciplinary research endeavors to find solutions to society's most pressing issues and challenges: Bannari Amman Institute of Technology (BIT) is actively strategizing to engage in more multidisciplinary research endeavors aimed at addressing society's most critical challenges and issues. To achieve this goal, initiatives such as Research Parks are being implemented to foster collaboration among academia, industry, and government. These hubs serve as spaces where diverse disciplines converge, facilitating

joint efforts towards innovative solutions. In parallel, BIT is reshaping final year projects within academic curricula to promote interdisciplinary approaches. By restructuring projects, students gain practical experience in addressing real-world problems through a multidisciplinary lens. Funding schemes have also been restructured to prioritize projects showcasing interdisciplinary collaboration, motivating researchers to work beyond traditional boundaries. Moreover, BIT is increasingly involved in social projects necessitating interdisciplinary teams to tackle complex societal issues effectively. By encouraging holistic solutions that integrate insights from various fields, these initiatives aim to provide comprehensive responses to multifaceted challenges faced by society.

f) Good practice/s of the institution to promote Multidisciplinary / interdisciplinary approach: Changes made in the Curriculum Open Elective Courses - Every student should opt for a minimum of one and subject to a maximum of three courses as open elective from the list of electives of the branch / other branches. One Credit Courses - The current relevance pertaining to the advancements in multidisciplinary is being offered. Interdisciplinary Final year Projects Value Added courses NPTEL Internship Other Initiatives Special Labs - It provides a platform for students to learn, practice, and innovate on the globally sought after multidisciplinary skills, beside product development. Gurugulam skill training to all first year students Participation of students in other department's Guest Lecture, Webinar/Seminar, Workshop etc. BIT Wiki - Allows students to access other departments' courses Students Special Interest Group (SSIG)

16.Academic bank of credits (ABC):

a) Initiatives taken to fulfill the requirement of ABC: Academic Bank Credits (ABC) will digitally store the academic credits earned by the students from Higher Educational Institutions. To fulfill the requirements of ABC, details of the students and their academic documents are collected and uploaded in the digilocker/ABC login. Also the benefits of implementing ABC are communicated to the students. Bannari Amman Institute of Technology has successfully registered under Digilocker/ABC and the NAD ID is NAD012912. The institution has made it mandatory for all the students to create their ABC ID during the first year of programme and link it to access the academic documents through Digilocker. The Institution has registered under the ABC framework and 5421 ABC IDs are created at present and batch wise details are as follows: UG - 2021-2025 Batch: 1781 UG - 2022-2026 Batch: 1885 UG - 2023-2027 Batch: 1710 PG - 2022-2024 Batch: 33 PG - 2023-2025 Batch: 12 The Institution has uploaded a total of 10,020 academics records of the students at

present and batchwise details are as follows: 2021-2025 Batch: I year - 1544; II year - 1544; III year - 1737; IV year - 1737
2022-2026 Batch: I year - 1729; II year - 1729 Further each student once admitted is enrolled on the ABC portal for credit accumulation.

b) Whether the institution has registered under the ABC to permit its learners to avail the benefit of multiple entries and exit during the chosen programme? Yes, As per the MHRD instruction, the institution has registered under NAD and ABC with NAD ID : NAD012912 to enable the students to avail the benefits of multiple entries and exit during the chosen programme.

c) Efforts for seamless collaboration, internationalisation of education, joint degrees between Indian and foreign institutions, and to enable credit transfer: Not applicable.

d) Faculty encouragements to design their own curricular and pedagogical approaches within the approved framework, including textbook, reading material selections, assignments, and assessments etc.: Empowering the faculty to conduct innovative teaching, research, and service as they see best will be a key motivator and enabler for them to do truly outstanding, creative work. Faculty participate in decision making bodies of the institution like Governing council, Academic council, Board of studies and other statutory & non-statutory bodies. Industry feedback collected by the faculty, pedagogical approaches (Innovative Practices), freedom to give reference books.

e) Good practice/s pertaining to the implementation of ABC: 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, internships, self-study electives and special electives. Credit transfer facility, within the discipline, is offered to the students in the case of one-credit courses.

17.Skill development:

a) Strengthening vocational education and soft skills: The institution actively enhances soft skills in line with the NSQF. Key initiatives include integrating NSQF guidelines into the curriculum, offering a comprehensive Skill Development Program with a "Learning by Doing" approach covering diverse fields. Collaboration with industry experts and emphasis on soft skills training contribute to enhanced practical exposure and communication, teamwork, and problem-solving abilities. Industry collaboration, internships, and practical experiences align with NSQF standards, leading to certifications. Additionally, obtaining regular feedback from the employers and students assists in identification for areas of improvement and tailor the interventions to meet the evolving needs of the companies.

b) Promoting vocational education: The institute

is committed to promote vocational education by regularly organizing skill development programs such as hands-on-workshops consisting of electrical wiring, prototype modeling, PLC, welding, assembly and dismantling in our in-house Gurugulam labs to manifest the students for practical exposure. Integrating these programs into mainstream education enriches the overall educational experience and ensures the holistic development of students. c) Value-based education: The institution prioritizes value-based education by emphasizing humanistic, ethical, and constitutional values. Programs such as ethical hacking, industry-relevant machine learning, and subjects like bioinformatics expose students to ethical considerations and societal impacts in their fields. By integrating these values into the curriculum, the institution aims to cultivate graduates who are not just technically proficient but also ethical and responsible professionals. d) Efforts to bridge the gap between industry and academia: Partnering with industry veterans and skilled artisans helps bridge the gap between classroom learning and real-world industry needs. Their practical insights enrich students' education, making it more comprehensive and applicable. By teaming up with these experts, high-quality skill training is maintained which can fill any gaps in the teaching-learning process. This collaboration not only enhances the credibility of the programs but also equips students with the latest industry techniques. Additionally, our institution offers vocational education through various flexible learning methods such as online, blended, and modular programs. This ensures that learning is accessible and adaptable to the various needs of the students. By providing multiple learning options more students can access valuable skills and empower themselves regardless of their location or circumstances. Furthermore, collaboration with NSDC (National Skill Development Corporation) streamlines learner enrollment, skill mapping, and certification processes while aligning our institution with national standards. This partnership facilitates a smoother transition for students into the workforce, enhancing their employability and career prospects. e) Best Practices: Offering a variety of latest skills, like machine learning, cloud computing, AI, Nanotechnology, Servo shows the commitment of the institution to make the students ready for the changing job market. Regularly updating skill programs demonstrates the institution's ability to promptly meet the evolving industrial demands aligning with NEP's vision of a flexible education system.

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

a) Integration of the Indian Knowledge system into the curriculum: Indian language courses such as 22HS003 - ?????? ???? / Heritage of

Tamils and 22HS006 - ????????? / Tamils Technology) are currently integrated into the curriculum of II and III semesters. The courses will be handled both in Tamil and English. Hindi Language course is offered as Elective in second semester. In addition, Vedic mathematics is offered as One-Credit Courses. In order to enhance the culture various events like Pongal Vizha, Navarathri eve, kavithai, oratorical events are conducted through clubs like muthazhamil mandram. Bannari Amman Institute of Technology is offering a skill development program "OTL2202 -Spoken Hindi" on a periodic basis to make students learn our national language. Hindi pundits are serving in our institute to facilitate students who have real passion for learning our national language. The Students are permitted to enroll online courses related to the Indian Knowledge System with the approval of the Departmental Consultative Committee constituted by the Head of the Department and two expert members. b) Plans to train faculty to provide the classroom delivery in bilingual mode: Not applicable because the medium of instruction is English according to parent university regulations. c) Details of the degree courses taught in Indian languages and bilingually: Not applicable. d) Efforts of the institution to preserve and promote the following: Indian languages (Sanskrit, Pali, Prakrit and classical, tribal and endangered etc.) Indian ancient traditional knowledge Indian Arts Indian Culture and traditions. The Students are permitted to earn credits through online courses related to Indian languages, Indian ancient traditional knowledge, Indian Arts and Indian Culture and traditions with the approval of the Departmental Consultative Committee constituted by the Head of the Department, subject to a maximum of three credits. "PONGAL VIZHA" in our institute is a three day grand event celebrated every year before TAMIZHAR THIRUNAAL PONGAL in the month of January. The event gives various oppourtuniies to students to showcase their talents. We organize karragattam, oyilattam, silambam, uri adithal which are all the ancient traditions of tamilians. e) Good practice/s of the institution pertaining to the appropriate integration of Indian Knowledge system: The Students are permitted to earn credits through online courses related to Indian Knowledge System with the approval of the Departmental Consultative Committee constituted by the Head of the Department, subject to a maximum of three credits. The yoga club of BIT started in the year 2022 is functioning with the objective of providing meditation classes to the students, basic yoga asanas to the students and faculties and to provide life style programs to students and Faculties. In our institute "MUHAMIZH MANDRAM" is functioning with the motto "To learn the importance of tamil language and learn the history and tradition of tamil language. The club is promoting and enhancing the proper usage of tamil among the students by organizing

various programs like elocution, essay writing, art competitions etc., every month. The club also organizes yearly event called "PONGAL VIZHA" to bring various traditions of tamil culture together. "PONGAL VIZHA" in our institute is a three day grand event celebrated every new year before TAMIZHAR THIRUNAAL PONGAL in the month of January. The event gives various oppourtuniies to students to showcase their talents. We organize karragattam, oyilattam, silambam, uri adithal which are all the ancient traditions of tamilians.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

i. Initiatives to transform its curriculum towards Outcome based Education (OBE): Defining Clear Learning Outcomes: Institutions start by clearly defining the learning outcomes for each course, program, and degree including defining vision,mission,programme educational objectives (PEOs),Programme outcomes(POs)Program Specific outcomes(PSOs) and Course Outcomes (COs), These outcomes describe what students are expected to know, do, and value at the end of their learning experiences. This involves detailed mapping of skills, knowledge, and attitudes that students need to acquire. Curriculum Redesign: The curriculum redesign process involves minor revisions six months once and major revisions four years once. This includes revising course content, teaching methods, and materials to ensure that they all contribute effectively towards achieving the desired outcomes. This may involve integrating interdisciplinary approaches, new technologies, and real-world problem-solving tasks into the curriculum. Faculty Development: Educators are key to the successful implementation of OBE. Institutions typically invest in extensive faculty development programs to train teachers in OBE principles, curriculum design aligned with OBE, innovative teaching methodologies, and outcome-based assessment strategies. Workshops, seminars, and continuous professional development courses are common. Stakeholder Engagement: Engaging various stakeholders including students, alumni, employers, and industry experts is crucial. Feedback from these groups can inform the understanding of what outcomes are valuable in real-world scenarios and thus shape curriculum development. Additionally, partnerships can be formed to provide students with experiential learning opportunities that are aligned with the outcomes. Technology Integration: Leveraging technology to support OBE is another key initiative. This might involve the use of Learning Management Systems (LMS), e-portfolios, and other digital tools to track student progress against defined outcomes, as well as to facilitate innovative teaching and learning practices. ii. Efforts made to capture the Outcome Based Education in teaching and learning practices: All programs of Bannari Amman

Institute of Technology (BIT) have established clear Program Outcomes (POs) Program Specific Outcomes (PSOs) and Course Outcomes (COs) that outline what students should be able to do by the end of a program or course. Curriculum Alignment: Courses and teaching methods could be designed to ensure they address the set learning outcomes. This might involve using a Course Outcome-Program Outcome (CO-PO) mapping matrix. Teaching Methods: BIT faculty members incorporate student-centric methods like problem-solving activities, projects, and case studies to encourage students to apply their knowledge and achieve learning outcomes. iii. Good practice/s of the institution pertaining to the Outcome based education (OBE) in view of NEP 2020: The National Education Policy 2020 (NEP 2020) emphasizes Outcome-Based Education (OBE). Bannari Amman Institute of Technology (BIT) is well-positioned to thrive in this environment with its potential for strong OBE practices. Alignment with NEP 2020: Industry Collaboration: BIT could actively engage with industry partners to ensure their curriculum and learning outcomes align with current industry needs. This might involve Industry and employer feedback on Curriculum development, course content revision, contributing as members of board of study meetings and academic council meetings, guest lectures, internships, or industry-designed projects. During the academic year 2022-23, totally 237 industries have contributed through above activities. Holistic Development: The OBE practices enhances the holistic learning through foundation skills training includes Assembling and dismantling, Electrical wiring, Prototyping, Welding, PLC, Network operating systems and electronics which enhance required life skills and prerequisite based training includes advance Embedded systems design, advanced servo motion control and IT infrastructure training which enhances the core specific skill. Further department specific skill training is provided for developing critical thinking skills. Further Students organize and participate in various technical and non-technical events and result in development of leadership, teamwork and problem-solving skills. Self-learning skills are developed through the teaching learning process. Further self-washing of dishes enhances social-responsibility. Flexible Learning Pathways: BIT's OBE approach could incorporate the flexible learning in choosing electives courses, Projects, add and drop courses, Credit equivalence through NPTEL online certification courses, One-credit courses, Internships. The course lesson plan of all the courses, Lecture videos, Course materials are provided at the beginning of the semester and students can learn the contents in advance and discuss their doubts during the class hours. Focus on Higher-Order Thinking Skills: In order to enhance higher order thinking, all the assessment questions asked according to Revised Bloom's Taxonomy, outcome based laboratory task, skill training, organizing and

participation in contests like Hackathon, ideathon etc.

20.Distance education/online education:

a) Vocational courses through ODL mode in the institution: Not applicable. b) Development and use of technological tools for teaching learning activities: While details about specific technological tools used at BIT are limited, publicly available information suggests a focus on integrating technology into teaching and learning. Here's a breakdown of possible development and use of technological tools, along with potential blended learning efforts:

Development of Technological Tools: Learning Management System (LMS): BIT is utilizing LMS through the following Media Wiki : As a centralized platform for accessing lesson plan, course materials, lecture videos and discourse forum link Discourse forum: Discourse to facilitate collaborative learning environments. Here faculty and students can engage in discussions, share resources, and work together on specific topics like doubt clearing and projects within a structured, yet flexible online setting. Bannari Amman Information Portal (BIP): It is used as database for students activity, achievements and Project report Moodle: Faculty can create and administer quizzes and exams to assess student learning. These can be configured to provide immediate feedback, helping students understand their progress. Google cloud, or Blackboard: It provides students with a centralized platform for accessing course materials, submitting assignments, taking online quizzes, and participating in discussions. E-learning Modules: Faculty could develop or utilize existing e-learning modules to deliver course content in an interactive and engaging format. These modules might include multimedia elements like videos, simulations, and gamification. Video Conferencing Tools: Tools like Zoom or Google Meet are used for conducting online lectures, guest lectures from industry experts, or even virtual lab sessions. Cloud-based Collaboration Tools: Platforms like Google Drive could facilitate collaboration among students on projects and assignments, even when working remotely. Use of Technological Tools in Teaching-Learning Activities: Media wiki is a dedicated tool used for access to the course contents, course materials, pre-recorded videos and discourse forum. BIP portal: It is information portal and provides all students activity and its achievements. Further enables the students projects work like weekly work log activity facility monitoring and assessment, Project reports are maintained. ICT tools: All the academic classes are enabled with ICT tools like Whiteboards/ screen, Projectors internet facility are used to enhance presentations and improve student engagement by allowing for real-time visualization and interaction with course material. Educational

Tools and Simulation software: Matlab, Altair Flux, Proteus, TIA PLC are provided to students with practical learning experiences and supplement theoretical concepts. Blended Learning Efforts: Combining Online and Offline Learning: BIT's blended learning approach could involve a mix of traditional classroom lectures, online learning modules, and practical lab sessions. Focus on Student Engagement: The use of technology could be aimed at increasing student engagement through interactive activities, quizzes, and discussions conducted online or in the classroom using technological tools. Good practice/s of the institution pertaining to the Distance education/online education: Not applicable.

Extended Profile

1.Programme

1.1 Number of programmes offered during the year:	26
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File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 Total number of students during the year:	7391
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File Description	Documents
Institutional data in Prescribed format	View File

2.2 Number of outgoing / final year students during the year:	1954
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File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 Number of students who appeared for the examinations conducted by the institution during the year:	7368
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File Description	Documents
Institutional Data in Prescribed Format	View File
3.Academic	
3.1 Number of courses in all programmes during the year:	1215
File Description	Documents
Institutional Data in Prescribed Format	View File
3.2 Number of full-time teachers during the year:	545
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3 Number of sanctioned posts for the year:	539
4.Institution	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	1956
4.2 Total number of Classrooms and Seminar halls	160
4.3 Total number of computers on campus for academic purposes	3906
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	6090.7187

Part B**CURRICULAR ASPECTS**

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

The curriculum and syllabi are framed as per the AICTE, UGC, NBA, NEP (2020), and Anna University guidelines. Additionally, the process of developing the curriculum and syllabi takes into consideration the feedback from different stakeholders. It has relevance to the local, regional, national and global developmental needs. This comprehensive approach extends to framing PEOs-POs-PSOs, and establishing the curriculum framework, including the assignment of credits for various curricular components. An overview of the contribution to the developmental needs at various levels is given below.

Local and regional developmental needs:

Diverse courses empower students to analyze local needs, applying their engineering knowledge for real-life solutions. The embedded project component enables active participation in local region's development, transitioning towards sustainable development. Courses raise awareness of heritage protection and involve students in agricultural productivity with farmers and government agencies. Ideathon and Hackathon activities address small-scale-industry challenges, and courses like Managing Family-Business uplift the region's socio-economic status. Industry-expertise is incorporated and supplemented by industrial-visits exposing students to real-world problems

National and global developmental needs:

The institute aligns with national and global developmental needs through courses in Electric-Vehicle-Technology, Green-Energy, IoT, Data-Science, Cybersecurity, AI, and more. Entrepreneurship-focused courses complement the Startup India policy, enhancing students' employability. Programs in Food-Equipment-Design, Game Development, and Mobile-App Design support the 'Make-in-India' mission, while courses on Python, JAVA, renewable energy, climate change, and environmental science align with Digital India and global health initiatives. Co-curricular and extra-curricular activities contribute to overall student development, impacting national and global developmental goals.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://www.bitsathy.ac.in/regulations/

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

20

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

852

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	No File Uploaded
Any additional information	No File Uploaded

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

1359

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

32

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

BIT stands as a beacon of academic excellence, seamlessly integrating cross-cutting issues into its curriculum. Committed to fostering well-rounded professionals, BIT places a strong emphasis on Professional-Ethics, Gender-Sensitivity, Human-Values, Environmental Responsibility, and Sustainability.

The institution ensures that students not only excel in their chosen fields but also develop a profound understanding of ethical principles and societal responsibilities by including courses like Human-Values and Ethics, Project reports, Nation-building: leadership and social responsibility, Socially relevant projects, etc. in the curriculum. By weaving these critical components into the academic fabric, BIT prepares its graduates to navigate the complex challenges of the modern world with integrity and empathy.

BIT's holistic approach extends beyond technical expertise, instilling a deep sense of social consciousness and environmental stewardship. This unique integration sets BIT apart, producing graduates who not only excel in their professional domains but also contribute meaningfully to society.

Environment and sustainability: The institution has adopted many green cover initiatives, thereby embellishing the eco-friendly ambience like rain-water-harvesting, Battery operated vehicle, Tree plantation, biomass cooking, solar thermal water heating, and Roof-top solar-power-plant (1.3MWp) of the Campus. Courses like environmental science, waste management, water treatment, Energy Conservation management, Renewable and Distributed Energy, Electric Vehicle Technology, Green Energy Technology and green chemistry are introduced to address the issues and solutions related to environment and sustainability. As a result, BIT stands as a testament to the belief that education should not only enrich the mind but also cultivate individuals who are ethically grounded, socially aware, and environmentally responsible.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

155

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	No File Uploaded

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

12100

File Description	Documents
List of students enrolled	View File
Any additional information	No File Uploaded

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

3220

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	No File Uploaded

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni **A. All 4 of the above**

File Description	Documents
Provide the URL for stakeholders' feedback report	https://www.bitsathy.ac.in/wp-content/uploads/naac/agar/2022-2023/C1/1.4.1.pdf
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	No File Uploaded

1.4.2 - The feedback system of the Institution comprises the following **B. Feedback collected, analysed and action taken**

File Description	Documents
Provide URL for stakeholders' feedback report	https://www.bitsathy.ac.in/wp-content/uploads/naac/agar/2022-2023/C1/1.4.1.pdf
Any additional information	No File Uploaded

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

1883

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)

1883

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

Assessment of students' learning progress occurs through various stages at our institution:

Induction Program and English Diagnostic Test: Students undergo an induction program inclusive of Literary and Proficiency Modules, which includes an English Diagnostic Test to gauge language proficiency.

Periodical Tests: Students' performance is assessed through Periodical Tests I and II, enabling comprehensive analysis of their academic progress.

Special Programs for Slow Learners:

- 1. Remedial Classes:** Identified slow learners receive support through remedial classes aimed at overcoming academic difficulties.
- 2. Seminars, Guest Lectures, and Workshops:** Special seminars, guest lectures, and workshops are conducted to provide additional guidance and support to struggling students.

For Advanced Learners:

1. **Self-Study Electives:** Advanced students are encouraged to pursue self-study electives, allowing them to explore topics of interest beyond the standard curriculum, with a maximum of 6 credits per semester.
2. **Industry-Driven Courses:** One-credit courses, designed in collaboration with industry experts, offer focused learning experiences for advanced students, with a duration of 15 to 20 hours per semester.
3. **Online Learning Opportunities:** Advanced learners can also access online courses available on platforms like NPTEL in the SWAYAM portal, enriching their learning experience with diverse resources.
4. **Fast-Track System:** Advanced students who have completed extra credits courses and transferred credits are eligible for a fast-track system. They are encouraged to undertake a 6-month internship in industries or research organizations, providing practical exposure and enhancing their professional skills.

Through these tailored programs and initiatives, we strive to support students at all levels of learning, ensuring each individual can reach their full potential and excel academically.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
31/05/2023	8016	545

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student-centric methods such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences:

Yes, At BIT, our educational approach emphasizes experiential learning, participative learning, and problem-solving methods to

cultivate students higher-order thinking skills and prepare them for real-world challenges. Experiential learning is predominantly concentrated within courses featuring lab components, offered through layer learning, internships, skill training, one-credit courses, and project work, constituting approximately 35 to 40% of the curriculum. Participative learning is fostered through skill training, lab participation, industry projects, internships, project contests, and project work, accounting for about 30 to 35% of course offerings.

Moreover, problem-solving methodologies are integrated into syllabi to guide students in tackling design, development, and analytical challenges. This problem-solving approach is reinforced through tutorial sessions, assignments, and innovative practice with approximately 75% of courses emphasizing this learning experience. These methods promote self-learning, group collaboration, and layer learning to enhance students' critical thinking abilities.

In teaching-learning process, faculty utilize various tools such as animated videos, models, real-time examples, presentations, and activity-based experiments to facilitate comprehensive learning experiences. All course materials, including content, resources, and discussions, are conveniently uploaded to the BIT wiki page, ensuring students can access them at any time for continuous learning and reference.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional Information	Nil

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

Educators leverage ICT-enabled tools and online resources to enhance the efficacy of teaching and learning processes. By integrating these technological resources into their instructional strategies, teachers foster dynamic and interactive learning environments.

All faculty members at BIT utilize ICT-enabled tools and online resources to enhance teaching and learning practices. Equipped with Internet and Wi-Fi connectivity, BIT classrooms are conducive to modern instructional methods. Faculty members curate course content enriched with animation videos and presentations to engage students effectively. This content is conveniently accessible to students via

the BIT wiki page, ensuring round-the-clock availability for reference.

The BIT wiki page serves as a comprehensive repository of curriculum-related information, encompassing course objectives, outcomes, lecture schedules, instructor details, and lecture materials. These resources are regularly updated to reflect ongoing developments in the field. Moreover, the wiki page fosters collaboration between teachers and students, providing a platform for the exchange of resource materials and facilitating clarification of doubts through its discourse forum.

Additionally, Google Classroom is utilized for individual courses, enabling seamless communication between faculty members and students. Through Google Classroom, students receive timely updates regarding assignments, tests, and class interactions. Furthermore, the discourse forum within the wiki page serves as a venue for discussing and sharing the latest technological advancements, enriching the learning experience and promoting active engagement within the BIT community.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://www.bitsathy.ac.in/naac/agar/2022-2023/criteria-4-1-1/class-rooms/
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

375

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

Academic-Calendar:

A committee involving the Principal, Head Academics and Controller of Examinations prepares the academic calendar which outlines all academic activities and events for the year. The Principal, Head Academics, Controller of Examinations, and department heads collaborate on its creation. The final version approved by the Principal is distributed to department heads, faculty, students and relevant coordinators via email before the start of every semester and uploaded to the institute website.

Teaching-Plan:

On completion of subject allocation, individual faculty members prepare lesson plans for their assigned courses and upload them to the Wiki page for student access. First half of the syllabus is covered for the first periodical test, with the remaining half completed for the second periodical test. The Teaching Learning process is overseen by various personnel (Principal, Head Academics, Controller of Examinations, Department heads, and Faculty members) to ensure that delivery are made according to the plan. Industry-specific courses are scheduled based on expert availability. Unforeseen events, like natural disasters or government holidays, may necessitate minor adjustments to the plan.

BIT-Wiki is a digital platform in line with Wikipedia that contains multiple pages to provide complete details about the academic activities and co-curricular activities of BIT, which was created to use within the organization. The Academics and Curriculum tab of Mediawiki enables students to easily access their courses in each semester. Lesson plan, videos, discussion questions, and lecture materials of B.E/B.Tech and MBA programmes are uploaded before the actual commencement of classes.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality**2.4.1 - Number of full-time teachers against sanctioned posts during the year**

545

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	View File

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

192

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	No File Uploaded

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

3055

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded

2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

29.31

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

80

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	View File

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

Student Database Maintenance: Tracking the academic performance of individual students, including semester-wise SGPA, CGPA, registered credits, earned credits, pending credits, number of history of arrears, number of standing arrears, semester-wise consolidated performance, and personal information.

Batch-wise Arrear Report: Easy access to batch-wise arrear reports for eligible students, reducing the need for manual analysis.

Malpractice Report: Details of malpractices are entered directly into the software along with the nature of punishment and maintained for access.

Anna University Provisional Data: Automatic preparation of Anna University provisional data for degree certificates of eligible students (regular and arrear).

Exporting Result: The software features exporting results, allowing viewing of internal marks, external marks, CO-wise marks, and assigned grades for individual students.

General and Degree Moderation: The software facilitates moderation of eligible candidates for general and degree moderation.

Seating Arrangement: The software generates seating allocations for students during semester-end examinations, along with attendance sheets by hall and department.

Valuation Role Mapping: Assigning roles during valuation of semester-end examinations to faculty members is made easier, with reallocation possible if required.

Duplicate Grade Sheets: Download option available for individual students when required.

Revaluation: The software automatically generates details of students eligible for third valuation after revaluation.

Internal Mark Protocol: Internal marks for arrear courses are automatically considered or nullified in accordance with regulatory guidelines.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	https://www.bitsathy.ac.in/coecorner/

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

The Bannari Amman Institute of Technology offers a 4 year B.E. / B.Tech. and 2 year M.E. / M.Tech. degree programmes. The faculty and the students are aware of the stated programmes and course outcomes of the programmes offered by the institution. Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) for all programmes offered by the institution are published on the institution website through syllabus book.

The Institute's website features the curriculum and syllabi for all programs, providing a comprehensive reference for students, faculty members, and other stakeholders. Complete details regarding Program Outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs) for every offered program can be accessed on the Institute's website.

The POs, PSOs and COs are displayed, communicated to all faculty members and discussed in the Department Advisory Board Meeting and Department Meeting of respective programme.

The PEOs, POs and PSOs are printed and displayed in classrooms, laboratories, newsletters, library, laboratory record, course files, departments and other important places.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	https://www.bitsathy.ac.in/programmes-offered/

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

BIT employs a robust assessment framework to evaluate the attainment of POs and COs, ensuring the effectiveness and relevance of its educational programs. Through a combination of qualitative and quantitative measures, the institution systematically evaluates the extent to which students achieve the desired learning-outcomes.

Attainment of COs:

COs of all the courses are assessed based on the course-assessment-pattern. Each CO target is fixed based on the last-three-year-performance of the course and students performance in the past semester courses by the course handling faculty member(s). The COs targets are verified and approved in the Department-Advisory-Board (DAB). The attainment of COs is calculated by marks scored by the students in the CIE and SEE. The attainment of COs and POs are audited through internal and external academic-audits every-semester.

Attainment of POs and PSOs:

The final POs/PSOs attainments are evaluated through direct and indirect mode of assessments and it carries 80% and 20% weightage respectively. In the direct assessment method, POs and PSOs are assessed through COs. In the indirect assessment method, POs and PSOs are assessed through various surveys and Students-Portfolio.

The target levels of attainment of POs and PSOs are set based on the previous three-year-performance and the actual-attainments are reviewed and approved by the DAB. Every year POs and PSOs attainments of passing-out students are evaluated and any gap-identified will be addressed through appropriate action for the subsequent batches. Based on DAB recommendation, further actions are taken to improve the PO attainment every-year.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

1875

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	https://www.bitsathy.ac.in/wp-content/uploads/naac/aqar/2022-2023/C2/CoE-Report.pdf

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire). Results and details need to be provided as a weblink

<https://www.bitsathy.ac.in/wp-content/uploads/naac/aqar/2022-2023/C2/2.7.1.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

The institution consistently upgrades its research facilities through a centralized research facility comprising 10 research laboratories dedicated to our institute's faculty members and students, facilitating extensive research endeavors. The Central Research Facility (CRF) at our institute presents an exceptional opportunity for the eager research community, offering state-of-the-art facilities in various domains such as Biomolecular Characterization and Instrumentation, Fabric Surface Enhancement, Materials Processing and Testing, Electrical Power Analysis, Liquid Crystals, Quantum Computing, and Phytochemistry, Condensed Matter, Advanced Materials, Subsonic Airflow Testing, Materials Characterization, Advanced Computing and Field Emission Scanning Electron Microscope. The entirety of our institute's research environment is structured around a unique research and development policy that undergoes regular revisions. Key initiatives to foster research include faculty and student pilot projects, financial support for paper presentations both in India and internationally, a 2.5% management incentive for sponsored research projects, and a 60%-70% stake in consultancy revenue. Additionally, actively support Ph.D. holders in pursuing postdoctoral research in foreign universities, providing them with a global research exposure experience.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://www.bitsathy.ac.in/wp-content/uploads/IOAC-Research-and-Development-Policy-for-2022.pdf
Any additional information	No File Uploaded

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

16.23

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	No File Uploaded

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

0

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	View File
Any additional information	No File Uploaded

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

44.476

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	No File Uploaded

3.2.2 - Number of teachers having research projects during the year

15

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

93

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

9

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.bitsathy.ac.in/wp-content/uploads/naac/agar/2022-2023/C3/3.2.4.pdf
Any additional information	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

The Research Center (RC) serves as a hub for nurturing and presenting inventive ideas that result in the dissemination of knowledge through patents, publications, funded projects, and consultancy initiatives. It furnishes cutting-edge facilities for faculty members and students, enabling them to participate in rigorous research activities. The RC aims to forge partnerships

between the top minds in industries and the college's academia, empowering students to meet international standards. With a focus on fostering an entrepreneurial environment, the RC cultivates a culture of ongoing progress and adaptation that values diversity.

BIT Innovation and Startup is a flagship initiative by our Bannari Amman Institute of Technology, intended to build a strong ecosystem that is conducive for the growth of startup businesses, to generate entrepreneurship skills for our students and create job opportunities with the collaboration of industries over the nation. Through this initiative, BIT aims to empower startups to grow through innovation and design.

TBI aims for optimal incubatee success by ensuring comprehensive idea commercialization, complete market product/service positioning, and leveraging modern social tools. With robust mentorship, networking, regular reviews, and value-driven incubation, the goal is to attract funds and customers, ensuring the successful graduation of incubatees.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

106

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research A. All of the above

methodology course work Plagiarism check through authenticated software

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	No File Uploaded

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

8

File Description	Documents
URL to the research page on HEI website	https://www.bitsathy.ac.in/research-centers/
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

1.23

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	No File Uploaded

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

1.06

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.bitsathy.ac.in/wp-content/uploads/naac/agar/2022-2023/C3/3.4.4.pdf

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

416

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

55

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

36.3346

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	No File Uploaded

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

119.2424

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	View File
List of facilities and staff available for undertaking consultancy	View File
Any additional information	No File Uploaded

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

The primary aim of the clubs and societies on campus is to instill a strong sense of social responsibility in students and raise their awareness about the crucial role of nature in our daily lives. In line with this, the National Service Scheme (NSS) strives to foster students' personal growth through community service initiatives. The NSS carries out a diverse range of projects, including the Swachh Bharat Mission Gramin (SBM-G) campaign for an Open Defecation Free (ODF) environment, the installation of napkin incinerators, the placement of trash cans, the Unnat Bharath Abhiyan (UBA), blood donation drives, emergency blood donations, sapling plantation, building painting and renovation, seed ball production and

distribution, soil and water testing, digital literacy programs, visits to orphanages and nursing homes, and kitchen gardening activities.

The NCC will be conducting training for young troops right in the college campus. During significant national days like the Republic Day and the Independence Day, the talented cadets showcase their exceptional marching skills. Through their involvement in the Community Service Club, individuals can benefit from enhanced self-discipline, responsibility, and empathy. The Women Development Cell also offers a variety of programs aimed at empowering women and promoting their overall development.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.bitsathy.ac.in/clubs-societies/

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

1056

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	View File

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

51

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

5258

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

2939

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	No File Uploaded

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

68

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	No File Uploaded

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipments, etc.

BIT has a land area of 180.88 acres with a built-up area of 2,77,299 sq.m. ICT is enabled in 122 UG-classrooms (12,713 sq.m), 15 PG-classrooms (967 sq.m), Drawing-halls (927 sq.m) and Seminar-halls (3385 sq.m). BIT is equipped with 127 laboratories and has UG-

laboratory (42010sq.m), PG-laboratory (1100sq.m), Computer Centre (1184sq.m), Computation Analytical laboratory (3186sq.m), Workshop (799sq.m), Physics laboratory (875sq.m) and Chemistry-laboratory (875sq.m). In addition to the primary laboratories, there are 54 Special and Applied laboratories covering 1273sq.m, along with 15 Industry Sponsored laboratories. BIT is well-equipped with 3906 computers, 117 printers and scanners, operating on a network bandwidth of 2Gbps with 648 Wi-Fi access points. The campus includes a central library spanning 8235sq.m and comprising five stories, capable of accommodating 911 students simultaneously. The library houses an extensive collection of educational resources, including 95534 volumes and 27813 titles. It also provides access to 76 international journals, 205 national journals, 35 technical magazines, and 67 general magazines. Additionally, a digital library facility is available for students. Administrative and support facilities include the Principal's Office (1154sq.m), HoD's Cabin (169sq.m), Faculty Rooms (276sq.m), Controller of Examination Office (761sq.m), and Hostel facilities covering 71593sq.m. Other key spaces on the campus include the Training-Placement Office (600sq.m), Technology-Business-Incubator (1300sq.m), Language-Laboratory (400sq.m), and a Community Radio station (120sq.m). This comprehensive infrastructure supports the diverse academic and research activities at BIT.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor and outdoor) including gymnasium, yoga centre, auditorium etc.)

Since 2011, the college has ignited student expression through 25 cultural clubs, celebrating traditions and national festivals.

For physical activity, a dedicated 16.33-acre complex boasts a standard 400m athletic track, multiple outdoor courts for popular games like football, cricket, silambam, boxing, handball, ball badminton, volleyball, synthetic tennis courts and synthetic basketball courts added in 2003. Indoor options include table tennis, snooker, carrom, and badminton. In 2023, a state-of-the-art indoor badminton facility, featuring four wooden courts, was introduced. Over 150 students utilize these facilities daily.

Distinct hostels provide specialized recreational areas: a 1778 sq.m. space including an advanced gym, open gym, and playground is available for boys, whereas girls can access a 9011 sq.m. recreational area featuring basketball, volleyball, and badminton courts. Additionally, both hostels boast well-equipped gyms established in 2001.

For larger events, two air-conditioned auditoriums provide seating for 700 and 1800 respectively, fostering a vibrant campus community.

Transport facilities with 16 cars and 27 buses available.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	Nil

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

160

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs)

2874.4409

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

BIT Library utilizes Koha, an open-source library management software developed by Horowhenua Library Trust in New Zealand in 2000 and currently maintained by a global team of software providers. Koha serves as an Integrated Library System, featuring a comprehensive Online Public Access Catalogue (OPAC) module. This module offers library users a user-friendly interface to perform various tasks, including searching for and renewing books, as well as suggesting new items.

BIT Library boasts a state-of-the-art Radio-Frequency Identification (RFID) Library Management System (LMS) that streamlines transactions and enhances the security of all library resources. Access to the library is regulated through an RFID-based smart card, allowing users entry via an RFID-based access gate. Self-book-issue kiosks, equipped with touch screen functionality, empower users to independently check out library documents. An automated drop box, accessible 24/7, enables students to return books and triggers email alerts upon book returns. Additionally, the library's web OPAC is equipped with 15 touch screen computer systems, providing users with convenient access to the OPAC facility. Users can also leverage this OPAC service remotely, using the internet on any device from anywhere.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.2.2 - Institution has access to the following: e- A. Any 4 or more of the above journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)

63.59

File Description	Documents
Audited statements of accounts	View File
Any additional information	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

1250

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	No File Uploaded

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

BIT provides campus-wide Wi-Fi facilities with 686 access points at the cost of 281 lakhs from 2014 to 2023, private cloud infrastructure built on top of open stack platform and Indigenously developed Campus Stack e-governance ERP (CAMPS) software for campus management is implemented and constantly updated. Facilities are backed by the in-house data center of BIT with 2.25 Gbps Leased Line Internet Connection. The networking infrastructure is supported by end to end fibre optic backbone, Gigabit optic modules and cables (10 Kms), enterprise class switches, routers. Security of the systems are managed by firewalls (Fortigate 1000C and Sophos XG-750 model) were installed for a worth of 74.19 Lakhs. Fortigate is renewed periodically from 2016 to 2020 at the total cost of 29.49 Lakhs and currently maintained by Sophos. 1235 CCTV cameras are installed from 2016 to 2023 at the cost of 86.11 Lakhs and handled through backbone networks to ensure the safety and security of students. The video data captured is managed through Network Video

Recorders (NVR). Due to increase in student strength, bandwidth was increased to 2.25 Gbps in 2023. Dell server 3 numbers were purchased for 36.72 Lakhs during 2016 and enhanced to 7 numbers from 2019 for 43.42 Lakhs.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.bitsathy.ac.in/wp-content/uploads/naac/agar/2022-2023/C4/4.3.1.pdf

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
8016	3906

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 250 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	No File Uploaded

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

A. All four of the above

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.bitsathy.ac.in/naac/aqar/2022-2023/criteria-4-3-4/media-centre-photos/
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)

3216.2777

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities – classrooms, laboratory, library, sports complex, computers, etc.

The maintenance team provides a wide range of services that encompass the management, maintenance, repair, and remodeling of infrastructure facilities on the campus.

The assigned responsibilities encompass a comprehensive approach to maintaining the campus environment. This includes the development and regulation of cleaning and waste disposal policies, ensuring a high standard of hygiene. Additionally, the role involves overseeing repair works and Annual Maintenance for both Academic and Non-Academic areas, and taking initiative for maintaining the infrastructure.

Efficient management of campus resources is crucial, and this is achieved by monitoring and controlling these resources through the operation of an effective security system. Furthermore, there is a focus on initiating and monitoring Laboratory Maintenance activities, ensuring the optimal functioning of these crucial facilities.

Beyond infrastructure and facilities, the responsibilities extend to the outdoor spaces, involving the maintenance of lawns and trees on the premises.

They ensure the efficient management of electrical power, water resources, solid waste, and wastewater within the institute through (i) preventive maintenance, (ii) break-down maintenance, (iii) predictive maintenance, and (iv) disaster prevention schedules for various equipment/facilities.

In-charges of the Essential Services maintain stock registers and update them as and when the items are used for carrying out maintenance activities. In-charges of Essential Services have the consumption pattern for initiating purchase activities and they prepare an annual budget plan every year.

Residents in staff quarters are eligible for reimbursement for any services that involve the replacement of worn-out components. Additional gardening services are also provided by the horticulture department.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

2211

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	No File Uploaded

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

211

File Description	Documents
Upload any additional information	No File Uploaded
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology A. All of the above

File Description	Documents
Link to Institutional website	https://www.bitsathy.ac.in/capability-enhancement-schemes/
Details of capability development and schemes	View File
Any additional information	View File

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

1232

File Description	Documents
Any additional information	No File Uploaded
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of A. All of the above

online/offline students' grievances Timely redressal of grievances through appropriate committees

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

1472

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of outgoing students progressing to higher education

30

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	No File Uploaded

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government

examinations) during the year

15

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File

5.3 - Student Participation and Activities**5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year**

7

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution**Student Power: Shaping Campus Life**

- **Department Associations:** Each department elects student representatives who organize events like guest lectures and technical symposiums, fostering academic engagement.
- **Academic Governance:** Students actively participate in committees like Course Committees, suggesting improvements to academics and ensuring their voices are heard.
- **Administrative Involvement:** Beyond academics, students contribute to committees like the IQAC, TBI alumni, Library Committee and Hostel Committee, providing valuable feedback on daily operations.
- **Safety and Well-being:** The Anti-Ragging Committee tackles harassment, while the Internal Concerns Committee addresses gender-related issues, ensuring a safe and inclusive environment for all.
- **Equality and Inclusion:** The SC-ST Cell keeps students from marginalized backgrounds informed of their rights and opportunities, promoting a diverse and equitable campus.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.bitsathy.ac.in/non-statutory-bodies/

5.3.3 - Number of sports and cultural events / competitions organised by the institution

49

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

Alumni Association was registered as "ALUMNI ASSOCIATION - BANNARI AMMAN INSTITUTE OF TECHNOLOGY, SATHYAMANGALAM" on 11th May 2015 at the Registrar's Office, Gobichettipalayam. The association has started 15 chapters at various cities nationally (Mumbai, Hyderabad, Bangalore, Chennai) and internationally (UK, Germany, Singapore, and UAE) with office bearers and Executive Committee members to drive the Chapter.

The Parent Chapter conducts Executive Committee meetings, and Annual General Body meetings to review and renew the association. The Association has a separate alumni website, Google Group, and WhatsApp group for sharing college newsletters, Alumni newsletters, magazines, and job opportunities posted by alumni members, Alumni Events, and other events at BIT. Alumni Database updation, Alumni Newsletter preparation, and circulation, Preparing and issuing alumni ID cards, conducting alumni meetings, Chapter formation, and inauguration are some of the activities of the association.

Alumni members extend their support to the Institution through (i)

permitting the students to visit their industry, (ii) offering Internships to our students, (iii) placement, (iv) curriculum development (Member in BoS), (v) Training the students for placement, (vi) Interaction with the students regarding placements and Higher studies in abroad and (vii) Delivering the Guest lectures, Seminars, One credit courses in the current topics to bridge the gap between Industry and Institute. The association also extends its support through scholarships to financially deprived students for their studies and medical expenses for the members of alumni who are below the poverty line.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	https://www.bitsathy.ac.in/alumni/

5.4.2 - Alumni's financial contribution during the year E. <2 Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

The governing body of the college holds authority over academic and administrative affairs. It comprises individuals from diverse backgrounds, and oversees various functions. The administrative system is decentralized, emphasizing committed faculty and efficient administrators to ensure quality education. The administrators provide effective leadership at the Institutional, Department, Programme, and Course Levels.

IQAC verticals ensure compliance with academic and administrative processes through continuous improvement via systematic audits, checks, and monitoring using well-defined quality assurance methods.

- A Task Management system is in place, involving recording assigned tasks to faculty, ensuring timely completion, verifying work quality, and uniformly distributing workloads.

- The Students Special Interest Group (SSIG) concept has been introduced, allowing each student to participate in one team guided by a mentor. Student accomplishments in SSIG are monthly published in the Mentor News Bulletin.
- Teachers actively engage in decision-making bodies, including the Governing Council, Academic Council, Standing Committee, Board of Studies, Department Advisory Board (DAB), and other statutory bodies.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.bitsathy.ac.in/approvals-circulars/

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

Technical Approval Committee (TAC):

During their academic journey, students are encouraged to participate in co-curricular activities such as mini projects, hackathons, paper presentations, and research endeavors. To ensure the quality and effectiveness of these activities, a Technical Approval Committee (TAC) approval is required. Each student is allowed to be part of only one team, and they must choose a faculty mentor to guide them through the process. This mentor can be selected by the students themselves. The TAC oversees the selection of feasible projects, provides guidance on methodology, and monitors progress throughout the duration of the activity.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

The strategic plan at BIT is intricately tied to the organizational profile, driven by the institution's motto 'Stay Ahead.' Core competencies are shaped collaboratively with stakeholders, including faculty, staff, students, alumni, and industry partners, aligning with academic programs, research, and infrastructure development. The institution's current position is assessed through key performance indicators, with measures outlined in the strategic plan for continuous improvement.

The planning horizon spans short-term (one year) and long-term (five years), reflecting the academic cycle and quality assurance assessments. Long-term sustainability measures encompass curriculum innovation, skill training, industry engagement, internationalization, entrepreneurship, alumni involvement, and outreach programs. The strategic plan undergoes regular reviews by senior faculty, department heads, and the governing council, with a systematic flowchart guiding planning, monitoring, reviewing, and verification processes.

Implementation involves flexible curriculum design, skill training, industry engagement, internationalization, entrepreneurship initiatives, alumni involvement, and outreach programs. Action plans are developed with flexibility, skill training, industry engagement, internationalization, entrepreneurship, alumni engagement, and outreach programs. Monitoring and reviewing occur on monthly, quarterly, and half-yearly intervals, allowing for iterative improvements based on feedback and gap analysis.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.bitsathy.ac.in/naac/
Upload any additional information	View File

6.2.2 - The functioning of the various institutional bodies is effective and efficient as visible from the policies, administrative set-up, appointment and service rules, procedures, etc.

The administration of BIT is overseen by a philanthropic trust, supported by both the Governing Council and the Academic Council. Day-to-day administrative tasks are handled by the Management Team, consisting of the Trustee, Principal, and Dean, with support from the Administrative Committee comprising experienced faculty members. Statutory Bodies are formed and meetings conducted in accordance

with guidelines from AICTE, UGC, MHRD, the State Government, and Anna University.

Non-statutory Bodies are established by the Management to complement the functions of the Statutory Bodies. Academic affairs are managed by the Head-Academics, Controller of Examinations, and Heads of individual departments, who oversee both staff and student matters. The Controller of Examinations has compiled all evaluation system rules and regulations into a comprehensive booklet.

Faculty participation in various committees is encouraged by the Management to foster leadership qualities and skills. Grievance redressal committees are established for both staff and students to address any concerns that may arise.

File Description	Documents
Paste link to Organogram on the institution webpage	https://www.bitsathy.ac.in/wp-content/uploads/Organogram-BIT.pdf
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	No File Uploaded
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	No File Uploaded

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The institution prioritizes the welfare and career development of

its teaching and non-teaching staff through various initiatives. Staff members are provided with rent-free fully furnished quarters, along with access to group insurance. Incentives (2.5% of the amount sanctioned) are offered for faculty-funded projects, and revenue sharing (60 -70%) is provided for faculty consultancy projects.

Additionally, the institution contributes to the public provident fund, Employees Provident Fund, and Gratuity Scheme for staff members. Long-service allowance is granted to both teaching and non-teaching staff who have completed a decade of service. Transport facilities are available for industry consultancy visits, and maternity leave is offered to female staff members, complemented by a free day-care center for faculty members' children on campus.

Furthermore, priority in admission is given to the children of staff in both college and affiliated schools (State Board & CBSE). The institution also ensures round-the-clock ambulance services on campus, prioritizing the safety and well-being of its community.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

6.3.2 - Number of teachers provided with financial support to attend conferences / workshops and towards payment of membership fee of professional bodies during the year

37

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

213

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

248

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

Periodically, officials appointed by the Bannari Amman Educational Trust conduct internal audits, and the reports are obtained prior to external audits. Throughout the internal audit process, they oversee all transactions, ensuring that necessary procedures are followed to rectify accounts and obtain confirmations for credit balances. External audits will be conducted in July by auditors appointed by the management of the Bannari Amman Educational Trust. The report containing audit findings will be submitted to the Trust office. Finally, the balance sheet will be submitted to all relevant state and central government authorities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists

during the year (not covered in Criterion III and V) (INR in lakhs)

0

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	No File Uploaded

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

The collection of fees serves as the primary source of funds from students at the start of the academic year. In accordance with the fee fixation committee and the guidelines of the Tamilnadu government, fees are collected and subsequently invested in fixed deposits and other suitable forms. These funds are withdrawn periodically as per the requirements of the institute

At the start of the financial year, all Heads of Departments (HoDs) and in-charges are requested to submit the budget for facilities development, infrastructure maintenance, and faculty development. The Finance Committee will scrutinize the budget and forward it to management for approval. Subsequently, the approved budget will be sent to the respective HoDs and in-charges. Purchases will be initiated by the respective heads through the civil stores of BIT. After negotiation, orders will be placed, and payments will be recommended only after verification of items by the respective heads. All transactions and payments are transparent.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

IQAC-Verticals

The IQAC-Verticals were established and implemented to strengthen centralized documentation practices.

- BIP-Portal: Implemented to simplify documentation.

Academics

- BIT-Wiki: It is an internal knowledge base site created by BIT to provide comprehensive information about academic and co-curricular activities.
- Discourse Forum: It is an open-source online community software exclusively for BIT students and faculty, providing a platform for like-minded individuals to engage in discussions.
- Students Feedback: Feedback is collected from students for each course, and based on the received feedback, appropriate corrective actions are taken.
- Academic Audit: The Institute conducts regular academic audits to assess department performance, improve curriculum, teaching methods, and enhance education quality.

Skill Training

- Special Lab: It provides more industry-related laboratory-facilities to the students.
- BIT-Gurugulam: It equips engineers with the skills and knowledge needed to succeed in their careers and contribute to advancement of the engineering profession.

Infrastructure

- Asset Entry Software: The asset management software was created to monitor and maintain asset data. It addresses the location, purchase, user, and utilisation-details.
- Infrastructure Audit: The audit ensures the effective utilization of resources in academic and non-academic areas while also verifies that all systems are functioning optimally.
- QR-code based feedback: Users can provide favorable or adverse feedback by scanning the QR-code fixed at various locations, and based on the feedback, the support-desk team will take necessary actions to address the issues.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.bitsathy.ac.in/naac/

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

The IQAC conducts periodic reviews of the teaching-learning process, operational structures, methodologies, and learning outcomes. This helps in assessing the effectiveness of various aspects of the institution's functioning.

One of the key areas of assessment is learning outcomes. The IQAC evaluates whether the educational objectives are being met and whether students are acquiring the necessary knowledge, skills, and competencies.

The improvement of teaching learning process the mediawiki and discourse forums are efficiently used to enhance the teaching methodologies. The Academics and Curriculum section within Mediawiki has been designed to provide students with convenient access to their specific semester courses, facilitating seamless navigation to relevant discussions and assessment links.

To enrich the learning experience, lecture materials and supplementary videos are meticulously curated and posted within the respective course pages. This ensures that students have access to a wealth of resources for current study and future reference, fostering a conducive environment for learning and academic growth.

The institution has implemented BIT Discourse, leveraging the capabilities of Discourse, an open-source online community software. Reserved exclusively for BIT students and faculty, BIT Discourse serves as a dedicated platform for focused discussions among individuals who share common interests, namely students and faculty members. This platform facilitates engaging conversations centered around specific topics, fostering collaborative dialogue and knowledge sharing within the BIT community.

Based on the findings of the reviews, the IQAC identifies areas for improvement and recommends changes or enhancements. This fosters a culture of continuous improvement within the institution.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://www.bitsathy.ac.in/naac/
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	No File Uploaded

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Safety, Support, and Care at BIT:

- **Peace of mind:** BIT prioritizes your safety with 24/7 security patrols, women security guards, and secure facilities. Biometric systems and surveillance cameras offer extra vigilance.
- **Guidance and support:** Academic and personal guidance is readily available through our mentor program, with professional counseling offered for specific needs.
- **Dedicated spaces:** Relax and connect in gender-specific common rooms for students and faculty. Girls have additional privacy

with visitor huts in their hostel.

- **Family care:** Working parents rejoice! The daycare center, open for children aged 1-5, provides a stimulating and safe environment.
- **Health and well-being:** 24/7 access to a health center, pharmacy, and ambulance ensures prompt care. Ladies' hostel features napkin vending machines and incineration facilities for convenience and hygiene.
- **Empowering women:** Dedicated committees advocate for your safety and well-being. The Anti-Ragging Committee, Anti-Sexual Harassment Committee, and Women Development Cell offer support and resources.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Wheeling to the Grid conservation Use of LED bulbs/ power-efficient equipment

A. Any 4 or All of the above

Biogas plant

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

Solid waste management:

- **Degradable:** Food Waste from Cafeteria, Hostels & Quarters and Night soil from various points are collected and given to Anaerobic digester for the generation of Biogas. Generated Biogas is supplied to engines for the production of electricity.
- **Non degradable:** Non degradable items are sorted and sold to external agencies

Liquid waste management:

- The Sewage Treatment Plant (STP), with a capacity of 20,00,000 L/day, is employed to treat the wastewater collected from both the hostels and the college. The treated water is subsequently utilized for gardening purposes.
- The Biogas plant generates 1000 kW/day by utilizing the liquid wastes and employs this generated energy to power the electrical motors installed at the STP.

Biomedical waste management:

- Sanitary napkins and other biomedical wastes are incinerated. Microbe culture dishes are sterilized before disposal.
- BIT's health center is equipped with a needle destroyer to get rid of used needles.

E-waste management:

- The Test and Repair Centre collects the wastes from the departments. Repairable components are upgraded and reused. Non Repairable items are sold to Licensed agencies (Central govt. pollution control board norms followed).

Hazardous chemicals:

- Hazardous chemicals are sorted and labelled, they are handled very carefully. Microbe culture dishes are sterilized before disposal.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	No File Uploaded

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

A. Any 4 or All of the above

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy undertaken by the institution

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:

A. Any 4 or all of the above

1. Green audit
2. Energy audit
3. Environment audit
4. Clean and green campus recognitions/awards
5. Beyond the campus environmental promotional activities

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	No File Uploaded
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words).

Women's Empowerment: On March 8th, commemorating International Women's Day, BIT welcomes distinguished women entrepreneurs to inspire our students. Additionally, BIT pays tribute to esteemed school principals dedicated to improving educational quality in the Erode district.

Pongal Vizha: In January, the Muthamizhl Mandram of BIT honors Tamil

tradition with the vibrant "Pongal Vizha" festival. Participants immerse themselves in a celebration of heritage through traditional competitions including "kabaddi," "achu pidungthal," "Sarukkumaram," and "paanai udaithal," all fostering a deep connection to our cultural roots through fun and engaging activities.

Navarathri Celebrations: The Women Development Cell of BIT commemorates Navarathri with a "Kolu" exhibition, a nine-day display of divinity. Competitions involving both students and faculty families build up to a significant pooja focused on praying for the welfare of the students.

Beyond Academics: Our vibrant clubs and societies offer a stage for students and faculty to partake in socio-economic and cultural endeavors. Through debates, poetry, dance, and music, our community flourishes, extending its reach beyond just academics.

Bannari Amman Institute of Technology stands as a beacon where education merges with cultural richness and the empowerment of women, crafting well-balanced individuals.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

BIT fosters responsible citizens through diverse programs:

- **Constitutional Awareness:** Workshops and guest lectures by eminent figures educate students on their rights, duties, and civic responsibilities under the Constitution.
- **Value-based Education:** The institute instills values through mandatory courses in professional ethics and human values, along with ethics-themed elocutions, debates, and class presentations.
- **Engaging Activities:** Students participate in talks, discussions, and campaigns raising awareness about critical issues like environmental protection, cleanliness (Swachh Bharat), and responsible waste management.
- **Cultural Immersion:** Events celebrating values, customs, and traditions connect students to their heritage and foster

respect for diversity.

- **Holistic Development:** BIT creates a safe, supportive, and affordable learning environment, nurturing balanced individuals equipped for fulfilling careers and personal lives.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	No File Uploaded

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized

A. All of the above

File Description	Documents
Code of Ethics - policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	View File
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

On February 21, BIT commemorate World Language Day in honor of the students Salam, Burkat, Rabeek, Jafar, and Shafiur who lost their lives fighting to make Bengali the national language. Established in 2000, "International Mother Language Day" India is reminded of a significant historical fact on World Mother Language Day. On the eve of Mother Language Day, the college hosts a number of competitions

each year to promote the Tamil language and culture as Muthamil Vizha on 13.03.2023. On March 4, 2023, a number of activities including flag-hoisting, pledge-administering, safety quiz contests, poster competitions, essay writing, and guest lectures were held in conjunction with the 52nd National Safety Day. The primary theme of this event is the importance of safety. On account of Bharathiyar's Birthday on December 11th, 2022, Bharathi Vizha was celebrated on 18.02.2023 in support of our Muthamil Mandram. Poetry, Poetry Reading, Song, Reels, and other competitions were held. On March 8, 2022, WDC of BIT celebrated International Women's Day. The National Mathematics Day is observed on December 22 each year to commemorate the birth anniversary of the great Indian mathematician Srinivasa Ramanujan. The Math club of BIT celebrates the same every year. GEO club of BIT celebrated the world earth day on 20.04.2023.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

Students Support System (Online portal, telephonic support, and QR feedback)

Objectives:

To provide timely and effective assistance to students and faculty members ensuring seamless access to resolving queries and offering user guidance.

The Context:

In designing and implementing a support desk, the main contextual feature of handling an extensive number of inquiries during peak periods while ensuring effective user communication and compliance with rules.

The Practice:

A best practice for a support desk to provide round-the-clock assistance, ensuring timely and continuous support 24 x 7. Extending throughout the country poses challenges, including managing diverse time zones, linguistic variations, infrastructure discrepancies and import regulations.

Evidence of Success:

The support desk system's success is evident in exemplary performance, meeting or exceeding benchmarks in response times, incident resolution and user satisfaction.

Problems Encountered and Resources Required:

Implementing the support desk faced challenges with user adoption and resistance, which required extensive communication to emphasize its benefits and usability. Resources needed include software, personnel, and effective communication channels.

Notes:

In adopting the support desk system, institutions must prioritize a tailored needs assessment, understanding local challenges and user dynamics ensuring continued success in technological landscapes.

File Description	Documents
Best practices in the Institutional website	Nil
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

BIT places a strong emphasis on outcome/value-based education, positioning itself as a center of excellence that delivers world-class education to both faculty members and students. In pursuit of this vision, the institution has established 54 Basics and Applied laboratories on campus, equipped with cutting-edge facilities for practicing the 5P's. These labs provide 24/7 access, allowing for training in relevant fields and skills.

Following the 5P model, students engage in practicing skills for the

latest technological developments, participating in international/national technical and non-technical events, developing products, filing patents and publications, and providing consultancy to address societal problems. These activities align with the institution's mission.

These state-of-the-art facilities serve the purpose of fostering, inspiring, and educating future generations of scientists, engineers, and technologists, empowering them to transform their ideas into innovative products. To support student professional development, BIT offers on-duty full sponsorship for component purchases, continuous guidance from technical experts, and opportunities to participate in national/international competitions, generate revenue through industrial consultancy, develop commercial products, and file patents, among other initiatives.

The faculty members in these labs play a crucial role in motivating and guiding students toward excellence in various domains. These dedicated efforts have yielded outstanding results in all events where BIT has participated, underscoring the value of their initiatives.

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

The curriculum and syllabi are framed as per the AICTE, UGC, NBA, NEP (2020), and Anna University guidelines. Additionally, the process of developing the curriculum and syllabi takes into consideration the feedback from different stakeholders. It has relevance to the local, regional, national and global developmental needs. This comprehensive approach extends to framing PEOs-POs-PSOs, and establishing the curriculum framework, including the assignment of credits for various curricular components. An overview of the contribution to the developmental needs at various levels is given below.

Local and regional developmental needs:

Diverse courses empower students to analyze local needs, applying their engineering knowledge for real-life solutions. The embedded project component enables active participation in local region's development, transitioning towards sustainable development. Courses raise awareness of heritage protection and involve students in agricultural productivity with farmers and government agencies. Ideathon and Hackathon activities address small-scale-industry challenges, and courses like Managing Family-Business uplift the region's socio-economic status. Industry-expertise is incorporated and supplemented by industrial-visits exposing students to real-world problems

National and global developmental needs:

The institute aligns with national and global developmental needs through courses in Electric-Vehicle-Technology, Green-Energy, IoT, Data-Science, Cybersecurity, AI, and more. Entrepreneurship-focused courses complement the Startup India policy, enhancing students' employability. Programs in Food-Equipment-Design, Game Development, and Mobile-App Design support the 'Make-in-India' mission, while courses on Python, JAVA, renewable energy, climate change, and environmental science align with Digital India and global health initiatives. Co-curricular and extra-curricular

activities contribute to overall student development, impacting national and global developmental goals.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://www.bitsathy.ac.in/regulations/

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

20

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

852

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	No File Uploaded
Any additional information	No File Uploaded

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

1359

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

32

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

BIT stands as a beacon of academic excellence, seamlessly integrating cross-cutting issues into its curriculum. Committed to fostering well-rounded professionals, BIT places a strong emphasis on Professional-Ethics, Gender-Sensitivity, Human-Values, Environmental Responsibility, and Sustainability.

The institution ensures that students not only excel in their chosen fields but also develop a profound understanding of ethical principles and societal responsibilities by including courses like Human-Values and Ethics, Project reports, Nation-building: leadership and social responsibility, Socially relevant projects, etc. in the curriculum. By weaving these critical components into the academic fabric, BIT prepares its graduates to navigate the complex challenges of the modern world with integrity and empathy.

BIT's holistic approach extends beyond technical expertise, instilling a deep sense of social consciousness and environmental stewardship. This unique integration sets BIT apart, producing graduates who not only excel in their professional domains but

also contribute meaningfully to society.

Environment and sustainability: The institution has adopted many green cover initiatives, thereby embellishing the eco-friendly ambience like rain-water-harvesting, Battery operated vehicle, Tree plantation, biomass cooking, solar thermal water heating, and Roof-top solar-power-plant (1.3MWp) of the Campus. Courses like environmental science, waste management, water treatment, Energy Conservation management, Renewable and Distributed Energy, Electric Vehicle Technology, Green Energy Technology and green chemistry are introduced to address the issues and solutions related to environment and sustainability. As a result, BIT stands as a testament to the belief that education should not only enrich the mind but also cultivate individuals who are ethically grounded, socially aware, and environmentally responsible.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

155

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	No File Uploaded

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

12100

File Description	Documents
List of students enrolled	View File
Any additional information	No File Uploaded

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

3220

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	No File Uploaded

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	https://www.bitsathy.ac.in/wp-content/uploads/naac/aqar/2022-2023/C1/1.4.1.pdf
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	No File Uploaded

1.4.2 - The feedback system of the Institution comprises the following

B. Feedback collected, analysed and action taken

File Description	Documents
Provide URL for stakeholders' feedback report	https://www.bitsathy.ac.in/wp-content/uploads/naac/aqar/2022-2023/C1/1.4.1.pdf
Any additional information	No File Uploaded

TEACHING-LEARNING AND EVALUATION	
2.1 - Student Enrollment and Profile	
2.1.1 - Enrolment of Students	
2.1.1.1 - Number of students admitted (year-wise) during the year	
1883	
File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File
2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)	
1883	
File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File
2.2 - Catering to Student Diversity	
2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.	
<p>Assessment of students' learning progress occurs through various stages at our institution:</p> <p>Induction Program and English Diagnostic Test: Students undergo an induction program inclusive of Literary and Proficiency Modules, which includes an English Diagnostic Test to gauge language proficiency.</p> <p>Periodical Tests: Students' performance is assessed through Periodical Tests I and II, enabling comprehensive analysis of their academic progress.</p> <p>Special Programs for Slow Learners:</p> <ol style="list-style-type: none"> 1. Remedial Classes: Identified slow learners receive support through remedial classes aimed at overcoming academic 	

difficulties.

2. **Seminars, Guest Lectures, and Workshops:** Special seminars, guest lectures, and workshops are conducted to provide additional guidance and support to struggling students.

For Advanced Learners:

1. **Self-Study Electives:** Advanced students are encouraged to pursue self-study electives, allowing them to explore topics of interest beyond the standard curriculum, with a maximum of 6 credits per semester.
2. **Industry-Driven Courses:** One-credit courses, designed in collaboration with industry experts, offer focused learning experiences for advanced students, with a duration of 15 to 20 hours per semester.
3. **Online Learning Opportunities:** Advanced learners can also access online courses available on platforms like NPTEL in the SWAYAM portal, enriching their learning experience with diverse resources.
4. **Fast-Track System:** Advanced students who have completed extra credits courses and transferred credits are eligible for a fast-track system. They are encouraged to undertake a 6-month internship in industries or research organizations, providing practical exposure and enhancing their professional skills.

Through these tailored programs and initiatives, we strive to support students at all levels of learning, ensuring each individual can reach their full potential and excel academically.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
31/05/2023	8016	545

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student-centric methods such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences:

Yes, At BIT, our educational approach emphasizes experiential learning, participative learning, and problem-solving methods to cultivate students higher-order thinking skills and prepare them for real-world challenges. Experiential learning is predominantly concentrated within courses featuring lab components, offered through layer learning, internships, skill training, one-credit courses, and project work, constituting approximately 35 to 40% of the curriculum. Participative learning is fostered through skill training, lab participation, industry projects, internships, project contests, and project work, accounting for about 30 to 35% of course offerings.

Moreover, problem-solving methodologies are integrated into syllabi to guide students in tackling design, development, and analytical challenges. This problem-solving approach is reinforced through tutorial sessions, assignments, and innovative practice with approximately 75% of courses emphasizing this learning experience. These methods promote self-learning, group collaboration, and layer learning to enhance students' critical thinking abilities.

In teaching-learning process, faculty utilize various tools such as animated videos, models, real-time examples, presentations, and activity-based experiments to facilitate comprehensive learning experiences. All course materials, including content, resources, and discussions, are conveniently uploaded to the BIT wiki page, ensuring students can access them at any time for continuous learning and reference.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional Information	Nil

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

Educators leverage ICT-enabled tools and online resources to enhance the efficacy of teaching and learning processes. By integrating these technological resources into their

instructional strategies, teachers foster dynamic and interactive learning environments.

All faculty members at BIT utilize ICT-enabled tools and online resources to enhance teaching and learning practices. Equipped with Internet and Wi-Fi connectivity, BIT classrooms are conducive to modern instructional methods. Faculty members curate course content enriched with animation videos and presentations to engage students effectively. This content is conveniently accessible to students via the BIT wiki page, ensuring round-the-clock availability for reference.

The BIT wiki page serves as a comprehensive repository of curriculum-related information, encompassing course objectives, outcomes, lecture schedules, instructor details, and lecture materials. These resources are regularly updated to reflect ongoing developments in the field. Moreover, the wiki page fosters collaboration between teachers and students, providing a platform for the exchange of resource materials and facilitating clarification of doubts through its discourse forum.

Additionally, Google Classroom is utilized for individual courses, enabling seamless communication between faculty members and students. Through Google Classroom, students receive timely updates regarding assignments, tests, and class interactions. Furthermore, the discourse forum within the wiki page serves as a venue for discussing and sharing the latest technological advancements, enriching the learning experience and promoting active engagement within the BIT community.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://www.bitsathy.ac.in/naac/aqar/2022-2023/criteria-4-1-1/class-rooms/
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

375

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

Academic-Calendar:

A committee involving the Principal, Head Academics and Controller of Examinations prepares the academic calendar which outlines all academic activities and events for the year. The Principal, Head Academics, Controller of Examinations, and department heads collaborate on its creation. The final version approved by the Principal is distributed to department heads, faculty, students and relevant coordinators via email before the start of every semester and uploaded to the institute website.

Teaching-Plan:

On completion of subject allocation, individual faculty members prepare lesson plans for their assigned courses and upload them to the Wiki page for student access. First half of the syllabus is covered for the first periodical test, with the remaining half completed for the second periodical test. The Teaching Learning process is overseen by various personnel (Principal, Head Academics, Controller of Examinations, Department heads, and Faculty members) to ensure that delivery are made according to the plan. Industry-specific courses are scheduled based on expert availability. Unforeseen events, like natural disasters or government holidays, may necessitate minor adjustments to the plan.

BIT-Wiki is a digital platform in line with Wikipedia that contains multiple pages to provide complete details about the academic activities and co-curricular activities of BIT, which was created to use within the organization. The Academics and Curriculum tab of Mediawiki enables students to easily access their courses in each semester. Lesson plan, videos, discussion questions, and lecture materials of B.E/B.Tech and MBA programmes are uploaded before the actual commencement of classes.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full-time teachers against sanctioned posts during the year

545

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	View File

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

192

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	No File Uploaded

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

3055

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded

2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

29.31

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

80

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	View File

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

Student Database Maintenance: Tracking the academic performance of individual students, including semester-wise SGPA, CGPA, registered credits, earned credits, pending credits, number of history of arrears, number of standing arrears, semester-wise consolidated performance, and personal information.

Batch-wise Arrear Report: Easy access to batch-wise arrear reports for eligible students, reducing the need for manual analysis.

Malpractice Report: Details of malpractices are entered directly into the software along with the nature of punishment and maintained for access.

Anna University Provisional Data: Automatic preparation of Anna

University provisional data for degree certificates of eligible students (regular and arrear).

Exporting Result: The software features exporting results, allowing viewing of internal marks, external marks, CO-wise marks, and assigned grades for individual students.

General and Degree Moderation: The software facilitates moderation of eligible candidates for general and degree moderation.

Seating Arrangement: The software generates seating allocations for students during semester-end examinations, along with attendance sheets by hall and department.

Valuation Role Mapping: Assigning roles during valuation of semester-end examinations to faculty members is made easier, with reallocation possible if required.

Duplicate Grade Sheets: Download option available for individual students when required.

Revaluation: The software automatically generates details of students eligible for third valuation after revaluation.

Internal Mark Protocol: Internal marks for arrear courses are automatically considered or nullified in accordance with regulatory guidelines.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	https://www.bitsathy.ac.in/coecorner/

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

The Bannari Amman Institute of Technology offers a 4 year B.E. / B.Tech. and 2 year M.E. / M.Tech. degree programmes. The faculty and the students are aware of the stated programmes and course outcomes of the programmes offered by the institution. Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) for all programmes offered by the institution are

published on the institution website through syllabus book.

The Institute's website features the curriculum and syllabi for all programs, providing a comprehensive reference for students, faculty members, and other stakeholders. Complete details regarding Program Outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs) for every offered program can be accessed on the Institute's website.

The POs, PSOs and COs are displayed, communicated to all faculty members and discussed in the Department Advisory Board Meeting and Department Meeting of respective programme.

The PEOs, POs and PSOs are printed and displayed in classrooms, laboratories, newsletters, library, laboratory record, course files, departments and other important places.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	https://www.bitsathy.ac.in/programmes-offered/

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

BIT employs a robust assessment framework to evaluate the attainment of POs and COs, ensuring the effectiveness and relevance of its educational programs. Through a combination of qualitative and quantitative measures, the institution systematically evaluates the extent to which students achieve the desired learning-outcomes.

Attainment of COs:

COs of all the courses are assessed based on the course-assessment-pattern. Each CO target is fixed based on the last-three-year-performance of the course and students performance in the past semester courses by the course handling faculty member(s). The COs targets are verified and approved in the Department-Advisory-Board (DAB). The attainment of COs is calculated by marks scored by the students in the CIE and SEE. The attainment of COs and POs are audited through internal and

external academic-audits every-semester.

Attainment of POs and PSOs:

The final POs/PSOs attainments are evaluated through direct and indirect mode of assessments and it carries 80% and 20% weightage respectively. In the direct assessment method, POs and PSOs are assessed through COs. In the indirect assessment method, POs and PSOs are assessed through various surveys and Students-Portfolio.

The target levels of attainment of POs and PSOs are set based on the previous three-year-performance and the actual-attainments are reviewed and approved by the DAB. Every year POs and PSOs attainments of passing-out students are evaluated and any gap-identified will be addressed through appropriate action for the subsequent batches. Based on DAB recommendation, further actions are taken to improve the PO attainment every-year.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

1875

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	https://www.bitsathy.ac.in/wp-content/uploads/naac/aqar/2022-2023/C2/CoE-Report.pdf

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution

may design its own questionnaire). Results and details need to be provided as a weblink

<https://www.bitsathy.ac.in/wp-content/uploads/naac/aqar/2022-2023/C2/2.7.1.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

The institution consistently upgrades its research facilities through a centralized research facility comprising 10 research laboratories dedicated to our institute's faculty members and students, facilitating extensive research endeavors. The Central Research Facility (CRF) at our institute presents an exceptional opportunity for the eager research community, offering state-of-the-art facilities in various domains such as Biomolecular Characterization and Instrumentation, Fabric Surface Enhancement, Materials Processing and Testing, Electrical Power Analysis, Liquid Crystals, Quantum Computing, and Phytochemistry, Condensed Matter, Advanced Materials, Subsonic Airflow Testing, Materials Characterization, Advanced Computing and Field Emission Scanning Electron Microscope. The entirety of our institute's research environment is structured around a unique research and development policy that undergoes regular revisions. Key initiatives to foster research include faculty and student pilot projects, financial support for paper presentations both in India and internationally, a 2.5% management incentive for sponsored research projects, and a 60%-70% stake in consultancy revenue. Additionally, actively support Ph.D. holders in pursuing postdoctoral research in foreign universities, providing them with a global research exposure experience.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://www.bitsathy.ac.in/wp-content/uploads/IOAC-Research-and-Development-Policy-for-2022.pdf
Any additional information	No File Uploaded

3.1.2 - The institution provides seed money to its teachers for research**3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)****16.23**

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	No File Uploaded

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year**0**

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	View File
Any additional information	No File Uploaded

3.2 - Resource Mobilization for Research**3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)****44.476**

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	No File Uploaded

3.2.2 - Number of teachers having research projects during the year

15

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

93

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

9

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.bitsathy.ac.in/wp-content/uploads/naac/agar/2022-2023/C3/3.2.4.pdf
Any additional information	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

The Research Center (RC) serves as a hub for nurturing and presenting inventive ideas that result in the dissemination of knowledge through patents, publications, funded projects, and consultancy initiatives. It furnishes cutting-edge facilities for faculty members and students, enabling them to participate in rigorous research activities. The RC aims to forge partnerships between the top minds in industries and the college's academia, empowering students to meet international standards. With a focus on fostering an entrepreneurial environment, the RC cultivates a culture of ongoing progress and adaptation that values diversity.

BIT Innovation and Startup is a flagship initiative by our Bannari Amman Institute of Technology, intended to build a strong ecosystem that is conducive for the growth of startup businesses, to generate entrepreneurship skills for our students and create job opportunities with the collaboration of industries over the nation. Through this initiative, BIT aims to empower startups to grow through innovation and design.

TBI aims for optimal incubatee success by ensuring comprehensive idea commercialization, complete market product/service positioning, and leveraging modern social tools. With robust mentorship, networking, regular reviews, and value-driven incubation, the goal is to attract funds and customers, ensuring the successful graduation of incubatees.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

106

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

A. All of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	No File Uploaded

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

8

File Description	Documents
URL to the research page on HEI website	https://www.bitsathy.ac.in/research-centers/
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

1.23

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	No File Uploaded

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

1.06

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.bitsathy.ac.in/wp-content/uploads/naac/agar/2022-2023/C3/3.4.4.pdf

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

416

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University**3.4.6.1 - h-index of Scopus during the year**

55

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy**3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)**

36.3346

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	No File Uploaded

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

119.2424

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	View File
List of facilities and staff available for undertaking consultancy	View File
Any additional information	No File Uploaded

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

The primary aim of the clubs and societies on campus is to instill a strong sense of social responsibility in students and raise their awareness about the crucial role of nature in our daily lives. In line with this, the National Service Scheme (NSS) strives to foster students' personal growth through community service initiatives. The NSS carries out a diverse range of projects, including the Swachh Bharat Mission Gramin (SBM-G) campaign for an Open Defecation Free (ODF) environment, the installation of napkin incinerators, the placement of trash cans, the Unnat Bharath Abhiyan (UBA), blood donation drives, emergency blood donations, sapling plantation, building painting and renovation, seed ball production and distribution, soil and water testing, digital literacy programs, visits to orphanages and nursing homes, and kitchen gardening activities.

The NCC will be conducting training for young troops right in the college campus. During significant national days like the Republic Day and the Independence Day, the talented cadets showcase their exceptional marching skills. Through their involvement in the Community Service Club, individuals can benefit from enhanced self-discipline, responsibility, and empathy. The Women Development Cell also offers a variety of programs aimed at empowering women and promoting their overall development.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.bitsathy.ac.in/clubs-societies/

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

1056

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	View File

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

51

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

5258

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

2939	
File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	No File Uploaded

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

68	
File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	No File Uploaded

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipments, etc.

BIT has a land area of 180.88 acres with a built-up area of 2,77,299 sq.m. ICT is enabled in 122 UG-classrooms (12,713 sq.m), 15 PG-classrooms (967 sq.m), Drawing-halls (927 sq.m) and Seminar-halls (3385 sq.m). BIT is equipped with 127 laboratories and has UG-laboratory (42010 sq.m), PG-laboratory (1100 sq.m), Computer Centre (1184 sq.m), Computation Analytical laboratory (3186 sq.m), Workshop (799 sq.m), Physics laboratory (875 sq.m) and Chemistry-laboratory (875 sq.m). In addition to the primary laboratories, there are 54 Special and Applied laboratories covering 1273 sq.m, along with 15 Industry Sponsored laboratories. BIT is well-equipped with 3906 computers, 117 printers and scanners, operating on a network bandwidth of 2Gbps with 648 Wi-Fi access points. The campus includes a central library spanning 8235 sq.m and comprising five stories, capable of accommodating 911 students simultaneously. The library houses an extensive

collection of educational resources, including 95534 volumes and 27813 titles. It also provides access to 76 international journals, 205 national journals, 35 technical magazines, and 67 general magazines. Additionally, a digital library facility is available for students. Administrative and support facilities include the Principal's Office (1154sq.m), HoD's Cabin (169sq.m), Faculty Rooms (276sq.m), Controller of Examination Office (761sq.m), and Hostel facilities covering 71593sq.m. Other key spaces on the campus include the Training-Placement Office (600sq.m), Technology-Business-Incubator (1300sq.m), Language-Laboratory (400sq.m), and a Community Radio station (120sq.m). This comprehensive infrastructure supports the diverse academic and research activities at BIT.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor and outdoor) including gymnasium, yoga centre, auditorium etc.)

Since 2011, the college has ignited student expression through 25 cultural clubs, celebrating traditions and national festivals.

For physical activity, a dedicated 16.33-acre complex boasts a standard 400m athletic track, multiple outdoor courts for popular games like football, cricket, silambam, boxing, handball, ball badminton, volleyball, synthetic tennis courts and synthetic basketball courts added in 2003. Indoor options include table tennis, snooker, carrom, and badminton. In 2023, a state-of-the-art indoor badminton facility, featuring four wooden courts, was introduced. Over 150 students utilize these facilities daily.

Distinct hostels provide specialized recreational areas: a 1778 sq.m. space including an advanced gym, open gym, and playground is available for boys, whereas girls can access a 9011 sq.m. recreational area featuring basketball, volleyball, and badminton courts. Additionally, both hostels boast well-equipped gyms established in 2001.

For larger events, two air-conditioned auditoriums provide seating for 700 and 1800 respectively, fostering a vibrant campus community.

Transport facilities with 16 cars and 27 buses available.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	Nil

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

160

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs)

2874.4409

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

BIT Library utilizes Koha, an open-source library management software developed by Horowhenua Library Trust in New Zealand in 2000 and currently maintained by a global team of software providers. Koha serves as an Integrated Library System, featuring a comprehensive Online Public Access Catalogue (OPAC) module. This module offers library users a user-friendly interface to

perform various tasks, including searching for and renewing books, as well as suggesting new items.

BIT Library boasts a state-of-the-art Radio-Frequency Identification (RFID) Library Management System (LMS) that streamlines transactions and enhances the security of all library resources. Access to the library is regulated through an RFID-based smart card, allowing users entry via an RFID-based access gate. Self-book-issue kiosks, equipped with touch screen functionality, empower users to independently check out library documents. An automated drop box, accessible 24/7, enables students to return books and triggers email alerts upon book returns. Additionally, the library's web OPAC is equipped with 15 touch screen computer systems, providing users with convenient access to the OPAC facility. Users can also leverage this OPAC service remotely, using the internet on any device from anywhere.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

**4.2.2 - Institution has access to the following:
e-journals e-ShodhSindhu Shodhganga
Membership e-books Databases Remote
access to e-resources**

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)

63.59

File Description	Documents
Audited statements of accounts	View File
Any additional information	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

1250

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	No File Uploaded

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

BIT provides campus-wide Wi-Fi facilities with 686 access points at the cost of 281 lakhs from 2014 to 2023, private cloud infrastructure built on top of open stack platform and Indigenously developed Campus Stack e-governance ERP (CAMPS) software for campus management is implemented and constantly updated. Facilities are backed by the in-house data center of BIT with 2.25 Gbps Leased Line Internet Connection. The networking infrastructure is supported by end to end fibre optic backbone, Gigabit optic modules and cables (10 Kms), enterprise class switches, routers. Security of the systems are managed by firewalls (Fortigate 1000C and Sophos XG-750 model) were installed for a worth of 74.19 Lakhs. Fortigate is renewed periodically from 2016 to 2020 at the total cost of 29.49 Lakhs and currently maintained by Sophos. 1235 CCTV cameras are installed from 2016 to 2023 at the cost of 86.11 Lakhs and handled through backbone networks to ensure the safety and security of students. The video data captured is managed through Network Video Recorders (NVR). Due to increase in student strength, bandwidth was increased to 2.25 Gbps in 2023. Dell server 3 numbers were purchased for 36.72 Lakhs during 2016 and enhanced to 7 numbers from 2019 for 43.42 Lakhs.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.bitsathy.ac.in/wp-content/uploads/naac/agar/2022-2023/C4/4.3.1.pdf

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
8016	3906

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 750 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	No File Uploaded

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

A. All four of the above

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.bitsathy.ac.in/naac/agar/2022-2023/criteria-4-3-4/media-centre-photos/
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)

3216.2777

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities – classrooms, laboratory, library, sports complex, computers, etc.

The maintenance team provides a wide range of services that encompass the management, maintenance, repair, and remodeling of infrastructure facilities on the campus.

The assigned responsibilities encompass a comprehensive approach to maintaining the campus environment. This includes the development and regulation of cleaning and waste disposal policies, ensuring a high standard of hygiene. Additionally, the role involves overseeing repair works and Annual Maintenance for both Academic and Non-Academic areas, and taking initiative for maintaining the infrastructure.

Efficient management of campus resources is crucial, and this is achieved by monitoring and controlling these resources through the operation of an effective security system. Furthermore, there is a focus on initiating and monitoring Laboratory Maintenance activities, ensuring the optimal functioning of these crucial facilities.

Beyond infrastructure and facilities, the responsibilities extend to the outdoor spaces, involving the maintenance of lawns and trees on the premises.

They ensure the efficient management of electrical power, water resources, solid waste, and wastewater within the institute through (i) preventive maintenance, (ii) break-down maintenance, (iii) predictive maintenance, and (iv) disaster prevention schedules for various equipment/facilities.

In-charges of the Essential Services maintain stock registers and update them as and when the items are used for carrying out maintenance activities. In-charges of Essential Services have the consumption pattern for initiating purchase activities and they prepare an annual budget plan every year.

Residents in staff quarters are eligible for reimbursement for any services that involve the replacement of worn-out components. Additional gardening services are also provided by the horticulture department.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

2211

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	No File Uploaded

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

211

File Description	Documents
Upload any additional information	No File Uploaded
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development

A. All of the above

and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

File Description	Documents
Link to Institutional website	https://www.bitsathy.ac.in/capability-enhancement-schemes/
Details of capability development and schemes	View File
Any additional information	View File

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

1232

File Description	Documents
Any additional information	No File Uploaded
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

1472

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of outgoing students progressing to higher education

30

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	No File Uploaded

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

15

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year

7

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

Student Power: Shaping Campus Life

- **Department Associations:** Each department elects student representatives who organize events like guest lectures and technical symposiums, fostering academic engagement.
- **Academic Governance:** Students actively participate in committees like Course Committees, suggesting improvements to academics and ensuring their voices are heard.
- **Administrative Involvement:** Beyond academics, students contribute to committees like the IQAC, TBI alumni, Library Committee and Hostel Committee, providing valuable feedback on daily operations.
- **Safety and Well-being:** The Anti-Ragging Committee tackles harassment, while the Internal Concerns Committee addresses gender-related issues, ensuring a safe and inclusive environment for all.
- **Equality and Inclusion:** The SC-ST Cell keeps students from marginalized backgrounds informed of their rights and opportunities, promoting a diverse and equitable campus.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.bitsathy.ac.in/non-statutory-bodies/

5.3.3 - Number of sports and cultural events / competitions organised by the institution

49

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

Alumni Association was registered as "ALUMNI ASSOCIATION - BANNARI AMMAN INSTITUTE OF TECHNOLOGY, SATHYAMANGALAM" on 11th May 2015 at the Registrar's Office, Gobichettipalayam. The association has started 15 chapters at various cities nationally (Mumbai, Hyderabad, Bangalore, Chennai) and internationally (UK, Germany, Singapore, and UAE) with office bearers and Executive Committee members to drive the Chapter.

The Parent Chapter conducts Executive Committee meetings, and Annual General Body meetings to review and renew the association. The Association has a separate alumni website, Google Group, and WhatsApp group for sharing college newsletters, Alumni newsletters, magazines, and job opportunities posted by alumni members, Alumni Events, and other events at BIT. Alumni Database updation, Alumni Newsletter preparation, and circulation, Preparing and issuing alumni ID cards, conducting alumni meetings, Chapter formation, and inauguration are some of the activities of the association.

Alumni members extend their support to the Institution through (i) permitting the students to visit their industry, (ii) offering Internships to our students, (iii) placement, (iv) curriculum development (Member in BoS), (v) Training the students for placement, (vi) Interaction with the students regarding placements and Higher studies in abroad and (vii) Delivering the Guest lectures, Seminars, One credit courses in the current topics to bridge the gap between Industry and Institute. The association also extends its support through scholarships to financially deprived students for their studies and medical expenses for the members of alumni who are below the poverty line.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	https://www.bitsathy.ac.in/alumni/

5.4.2 - Alumni's financial contribution during the year

E. <2 Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

The governing body of the college holds authority over academic and administrative affairs. It comprises individuals from diverse backgrounds, and oversees various functions. The administrative system is decentralized, emphasizing committed faculty and efficient administrators to ensure quality education. The administrators provide effective leadership at the Institutional, Department, Programme, and Course Levels.

IQAC verticals ensure compliance with academic and administrative processes through continuous improvement via systematic audits, checks, and monitoring using well-defined quality assurance methods.

- A Task Management system is in place, involving recording assigned tasks to faculty, ensuring timely completion, verifying work quality, and uniformly distributing workloads.
- The Students Special Interest Group (SSIG) concept has been introduced, allowing each student to participate in one team guided by a mentor. Student accomplishments in SSIG are monthly published in the Mentor News Bulletin.
- Teachers actively engage in decision-making bodies, including the Governing Council, Academic Council, Standing Committee, Board of Studies, Department Advisory Board (DAB), and other statutory bodies.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.bitsathy.ac.in/approvals-circulars/

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

Technical Approval Committee (TAC):

During their academic journey, students are encouraged to participate in co-curricular activities such as mini projects, hackathons, paper presentations, and research endeavors. To ensure the quality and effectiveness of these activities, a Technical Approval Committee (TAC) approval is required. Each student is allowed to be part of only one team, and they must choose a faculty mentor to guide them through the process. This mentor can be selected by the students themselves. The TAC oversees the selection of feasible projects, provides guidance on methodology, and monitors progress throughout the duration of the activity.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

The strategic plan at BIT is intricately tied to the organizational profile, driven by the institution's motto 'Stay Ahead.' Core competencies are shaped collaboratively with stakeholders, including faculty, staff, students, alumni, and industry partners, aligning with academic programs, research, and infrastructure development. The institution's current position is assessed through key performance indicators, with measures outlined in the strategic plan for continuous improvement.

The planning horizon spans short-term (one year) and long-term (five years), reflecting the academic cycle and quality assurance assessments. Long-term sustainability measures encompass curriculum innovation, skill training, industry engagement, internationalization, entrepreneurship, alumni involvement, and outreach programs. The strategic plan undergoes regular reviews by senior faculty, department heads, and the governing council, with a systematic flowchart guiding planning, monitoring, reviewing, and verification processes.

Implementation involves flexible curriculum design, skill training, industry engagement, internationalization, entrepreneurship initiatives, alumni involvement, and outreach programs. Action plans are developed with flexibility, skill training, industry engagement, internationalization, entrepreneurship, alumni engagement, and outreach programs. Monitoring and reviewing occur on monthly, quarterly, and half-yearly intervals, allowing for iterative improvements based on feedback and gap analysis.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.bitsathy.ac.in/naac/
Upload any additional information	View File

6.2.2 - The functioning of the various institutional bodies is effective and efficient as visible from the policies, administrative set-up, appointment and service rules, procedures, etc.

The administration of BIT is overseen by a philanthropic trust, supported by both the Governing Council and the Academic Council. Day-to-day administrative tasks are handled by the Management Team, consisting of the Trustee, Principal, and Dean, with support from the Administrative Committee comprising experienced faculty members. Statutory Bodies are formed and meetings conducted in accordance with guidelines from AICTE, UGC, MHRD, the State Government, and Anna University.

Non-statutory Bodies are established by the Management to complement the functions of the Statutory Bodies. Academic affairs are managed by the Head-Academics, Controller of Examinations, and Heads of individual departments, who oversee both staff and student matters. The Controller of Examinations has compiled all evaluation system rules and regulations into a comprehensive booklet.

Faculty participation in various committees is encouraged by the Management to foster leadership qualities and skills. Grievance redressal committees are established for both staff and students to address any concerns that may arise.

File Description	Documents
Paste link to Organogram on the institution webpage	https://www.bitsathy.ac.in/wp-content/uploads/Organogram-BIT.pdf
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.2.3 - Implementation of e-governance in

A. All of the above

areas of operation: Administration Finance and Accounts Student Admission and Support Examination

File Description	Documents
ERP (Enterprise Resource Planning) Documen	No File Uploaded
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	No File Uploaded

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The institution prioritizes the welfare and career development of its teaching and non-teaching staff through various initiatives. Staff members are provided with rent-free fully furnished quarters, along with access to group insurance. Incentives (2.5% of the amount sanctioned) are offered for faculty-funded projects, and revenue sharing (60 -70%) is provided for faculty consultancy projects.

Additionally, the institution contributes to the public provident fund, Employees Provident Fund, and Gratuity Scheme for staff members. Long-service allowance is granted to both teaching and non-teaching staff who have completed a decade of service. Transport facilities are available for industry consultancy visits, and maternity leave is offered to female staff members, complemented by a free day-care center for faculty members' children on campus.

Furthermore, priority in admission is given to the children of staff in both college and affiliated schools (State Board & CBSE). The institution also ensures round-the-clock ambulance services on campus, prioritizing the safety and well-being of its community.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

6.3.2 - Number of teachers provided with financial support to attend conferences / workshops and towards payment of membership fee of professional bodies during the year

37

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

213

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

248

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

Periodically, officials appointed by the Bannari Amman Educational Trust conduct internal audits, and the reports are obtained prior to external audits. Throughout the internal audit process, they oversee all transactions, ensuring that necessary procedures are followed to rectify accounts and obtain confirmations for credit balances. External audits will be conducted in July by auditors appointed by the management of the Bannari Amman Educational Trust. The report containing audit findings will be submitted to the Trust office. Finally, the balance sheet will be submitted to all relevant state and central government authorities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

0

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	No File Uploaded

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

The collection of fees serves as the primary source of funds from students at the start of the academic year. In accordance with the fee fixation committee and the guidelines of the Tamilnadu government, fees are collected and subsequently invested in fixed deposits and other suitable forms. These funds are withdrawn periodically as per the requirements of the institute

At the start of the financial year, all Heads of Departments (HoDs) and in-charges are requested to submit the budget for facilities development, infrastructure maintenance, and faculty development. The Finance Committee will scrutinize the budget and forward it to management for approval. Subsequently, the approved budget will be sent to the respective HoDs and in-charges. Purchases will be initiated by the respective heads through the civil stores of BIT. After negotiation, orders will be placed, and payments will be recommended only after verification of items by the respective heads. All transactions and payments are transparent.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

IQAC-Verticals

The IQAC-Verticals were established and implemented to strengthen centralized documentation practices.

- **BIP-Portal:** Implemented to simplify documentation.

Academics

- **BIT-Wiki:** It is an internal knowledge base site created by BIT to provide comprehensive information about academic and

co-curricular activities.

- **Discourse Forum:** It is an open-source online community software exclusively for BIT students and faculty, providing a platform for like-minded individuals to engage in discussions.
- **Students Feedback:** Feedback is collected from students for each course, and based on the received feedback, appropriate corrective actions are taken.
- **Academic Audit:** The Institute conducts regular academic audits to assess department performance, improve curriculum, teaching methods, and enhance education quality.

Skill Training

- **Special Lab:** It provides more industry-related laboratory-facilities to the students.
- **BIT-Gurugulam:** It equips engineers with the skills and knowledge needed to succeed in their careers and contribute to advancement of the engineering profession.

Infrastructure

- **Asset Entry Software:** The asset management software was created to monitor and maintain asset data. It addresses the location, purchase, user, and utilisation-details.
- **Infrastructure Audit:** The audit ensures the effective utilization of resources in academic and non-academic areas while also verifies that all systems are functioning optimally.
- **QR-code based feedback:** Users can provide favorable or adverse feedback by scanning the QR-code fixed at various locations, and based on the feedback, the support-desk team will take necessary actions to address the issues.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.bitsathy.ac.in/naac/

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

The IQAC conducts periodic reviews of the teaching-learning

process, operational structures, methodologies, and learning outcomes. This helps in assessing the effectiveness of various aspects of the institution's functioning.

One of the key areas of assessment is learning outcomes. The IQAC evaluates whether the educational objectives are being met and whether students are acquiring the necessary knowledge, skills, and competencies.

The improvement of teaching learning process the mediawiki and discourse forums are efficiently used to enhance the teaching methodologies. The Academics and Curriculum section within Mediawiki has been designed to provide students with convenient access to their specific semester courses, facilitating seamless navigation to relevant discussions and assessment links.

To enrich the learning experience, lecture materials and supplementary videos are meticulously curated and posted within the respective course pages. This ensures that students have access to a wealth of resources for current study and future reference, fostering a conducive environment for learning and academic growth.

The institution has implemented BIT Discourse, leveraging the capabilities of Discourse, an open-source online community software. Reserved exclusively for BIT students and faculty, BIT Discourse serves as a dedicated platform for focused discussions among individuals who share common interests, namely students and faculty members. This platform facilitates engaging conversations centered around specific topics, fostering collaborative dialogue and knowledge sharing within the BIT community.

Based on the findings of the reviews, the IQAC identifies areas for improvement and recommends changes or enhancements. This fosters a culture of continuous improvement within the institution.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the

A. Any 4 or all of the above

IQAC Feedback collected, analysed and used for improvement of the institution
Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

File Description	Documents
Paste the web link of annual reports of the Institution	https://www.bitsathy.ac.in/naac/
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	No File Uploaded

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Safety, Support, and Care at BIT:

- **Peace of mind:** BIT prioritizes your safety with 24/7 security patrols, women security guards, and secure facilities. Biometric systems and surveillance cameras offer extra vigilance.
- **Guidance and support:** Academic and personal guidance is readily available through our mentor program, with professional counseling offered for specific needs.
- **Dedicated spaces:** Relax and connect in gender-specific common rooms for students and faculty. Girls have additional privacy with visitor huts in their hostel.
- **Family care:** Working parents rejoice! The daycare center, open for children aged 1-5, provides a stimulating and safe environment.
- **Health and well-being:** 24/7 access to a health center, pharmacy, and ambulance ensures prompt care. Ladies' hostel features napkin vending machines and incineration facilities for convenience and hygiene.
- **Empowering women:** Dedicated committees advocate for your

safety and well-being. The Anti-Ragging Committee, Anti-Sexual Harassment Committee, and Women Development Cell offer support and resources.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

Solid waste management:

- **Degradable:** Food Waste from Cafeteria, Hostels & Quarters and Night soil from various points are collected and given to Anaerobic digester for the generation of Biogas. Generated Biogas is supplied to engines for the production of electricity.
- **Non degradable:** Non degradable items are sorted and sold to external agencies

Liquid waste management:

- The Sewage Treatment Plant (STP), with a capacity of 20,00,000 L/day, is employed to treat the wastewater collected from both the hostels and the college. The treated water is subsequently utilized for gardening purposes.
- The Biogas plant generates 1000 kW/day by utilizing the liquid wastes and employs this generated energy to power the electrical motors installed at the STP.

Biomedical waste management:

- Sanitary napkins and other biomedical wastes are incinerated. Microbe culture dishes are sterilized before disposal.
- BIT's health center is equipped with a needle destroyer to get rid of used needles.

E-waste management:

- The Test and Repair Centre collects the wastes from the departments. Repairable components are upgraded and reused. Non Repairable items are sold to Licensed agencies (Central govt. pollution control board norms followed).

Hazardous chemicals:

- Hazardous chemicals are sorted and labelled, they are handled very carefully. Microbe culture dishes are sterilized before disposal.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	No File Uploaded

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

- 1. Restricted entry of automobiles**
- 2. Use of bicycles/ Battery-powered vehicles**
- 3. Pedestrian-friendly pathways**
- 4. Ban on use of plastic**
- 5. Landscaping**

A. Any 4 or All of the above

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy undertaken by the institution

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:

- 1. Green audit**
- 2. Energy audit**
- 3. Environment audit**
- 4. Clean and green campus recognitions/awards**
- 5. Beyond the campus environmental promotional activities**

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

<p>7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.</p>	<p>A. Any 4 or all of the above</p>
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File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	No File Uploaded
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words).

Women's Empowerment: On March 8th, commemorating International Women's Day, BIT welcomes distinguished women entrepreneurs to inspire our students. Additionally, BIT pays tribute to esteemed school principals dedicated to improving educational quality in the Erode district.

Pongal Vizha: In January, the Muthamizhl Mandram of BIT honors Tamil tradition with the vibrant "Pongal Vizha" festival. Participants immerse themselves in a celebration of heritage through traditional competitions including "kabaddi," "achu pidungthal," "Sarukkumaram," and "paanai udaithal," all fostering a deep connection to our cultural roots through fun and engaging activities.

Navarathri Celebrations: The Women Development Cell of BIT commemorates Navarathri with a "Kolu" exhibition, a nine-day display of divinity. Competitions involving both students and faculty families build up to a significant pooja focused on praying for the welfare of the students.

Beyond Academics: Our vibrant clubs and societies offer a stage for students and faculty to partake in socio-economic and cultural endeavors. Through debates, poetry, dance, and music, our community flourishes, extending its reach beyond just academics.

Bannari Amman Institute of Technology stands as a beacon where education merges with cultural richness and the empowerment of women, crafting well-balanced individuals.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

BIT fosters responsible citizens through diverse programs:

- **Constitutional Awareness:** Workshops and guest lectures by eminent figures educate students on their rights, duties, and civic responsibilities under the Constitution.
- **Value-based Education:** The institute instills values through mandatory courses in professional ethics and human values, along with ethics-themed elocutions, debates, and class presentations.
- **Engaging Activities:** Students participate in talks, discussions, and campaigns raising awareness about critical issues like environmental protection, cleanliness (Swachh

Bharat), and responsible waste management.

- **Cultural Immersion:** Events celebrating values, customs, and traditions connect students to their heritage and foster respect for diversity.
- **Holistic Development:** BIT creates a safe, supportive, and affordable learning environment, nurturing balanced individuals equipped for fulfilling careers and personal lives.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	No File Uploaded

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized	A. All of the above
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File Description	Documents
Code of Ethics - policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	View File
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

On February 21, BIT commemorate World Language Day in honor of the students Salam, Burkat, Rabeek, Jafar, and Shafiur who lost

their lives fighting to make Bengali the national language. Established in 2000, "International Mother Language Day" India is reminded of a significant historical fact on World Mother Language Day. On the eve of Mother Language Day, the college hosts a number of competitions each year to promote the Tamil language and culture as Muthamil Vizha on 13.03.2023. On March 4, 2023, a number of activities including flag-hoisting, pledge-administering, safety quiz contests, poster competitions, essay writing, and guest lectures were held in conjunction with the 52nd National Safety Day. The primary theme of this event is the importance of safety. On account of Bharathiyar's Birthday on December 11th, 2022, Bharathi Vizha was celebrated on 18.02.2023 in support of our Muthamil Mandram. Poetry, Poetry Reading, Song, Reels, and other competitions were held. On March 8, 2022, WDC of BIT celebrated International Women's Day. The National Mathematics Day is observed on December 22 each year to commemorate the birth anniversary of the great Indian mathematician Srinivasa Ramanujan. The Math club of BIT celebrates the same every year. GEO club of BIT celebrated the world earth day on 20.04.2023.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

Students Support System (Online portal, telephonic support, and QR feedback)

Objectives:

To provide timely and effective assistance to students and faculty members ensuring seamless access to resolving queries and offering user guidance.

The Context:

In designing and implementing a support desk, the main contextual feature of handling an extensive number of inquiries during peak periods while ensuring effective user communication and compliance with rules.

The Practice:

A best practice for a support desk to provide round-the-clock assistance, ensuring timely and continuous support 24 x 7. Extending throughout the country poses challenges, including managing diverse time zones, linguistic variations, infrastructure discrepancies and import regulations.

Evidence of Success:

The support desk system's success is evident in exemplary performance, meeting or exceeding benchmarks in response times, incident resolution and user satisfaction.

Problems Encountered and Resources Required:

Implementing the support desk faced challenges with user adoption and resistance, which required extensive communication to emphasize its benefits and usability. Resources needed include software, personnel, and effective communication channels.

Notes:

In adopting the support desk system, institutions must prioritize a tailored needs assessment, understanding local challenges and user dynamics ensuring continued success in technological landscapes.

File Description	Documents
Best practices in the Institutional website	Nil
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

BIT places a strong emphasis on outcome/value-based education,

positioning itself as a center of excellence that delivers world-class education to both faculty members and students. In pursuit of this vision, the institution has established 54 Basics and Applied laboratories on campus, equipped with cutting-edge facilities for practicing the 5P's. These labs provide 24/7 access, allowing for training in relevant fields and skills.

Following the 5P model, students engage in practicing skills for the latest technological developments, participating in international/national technical and non-technical events, developing products, filing patents and publications, and providing consultancy to address societal problems. These activities align with the institution's mission.

These state-of-the-art facilities serve the purpose of fostering, inspiring, and educating future generations of scientists, engineers, and technologists, empowering them to transform their ideas into innovative products. To support student professional development, BIT offers on-duty full sponsorship for component purchases, continuous guidance from technical experts, and opportunities to participate in national/international competitions, generate revenue through industrial consultancy, develop commercial products, and file patents, among other initiatives.

The faculty members in these labs play a crucial role in motivating and guiding students toward excellence in various domains. These dedicated efforts have yielded outstanding results in all events where BIT has participated, underscoring the value of their initiatives.

File Description	Documents
Appropriate link in the institutional website	https://www.bitsathy.ac.in/special-labs/
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

BIT has the following plan for the next academic years:

1. NBA Reaccreditation of three UG Engineering programs (Biotechnology, Computer Science and Engineering, and Electronics and Communication Engineering) in the second cycle.
2. Implementing a unified Board of Studies (BoS) for clustered

departments.

3. Introducing assessments for professional and technical competencies of each faculty member.
4. Providing students with advanced skills alongside foundational skills through Advanced Gurugulam.
5. Formulation of Institutional Advisory Board (IAB) to guide strategic planning, assess academic program quality, and offer recommendations on curriculum, infrastructure, and financial matters for engineering initiatives.
6. Improving students' communication skills through the implementation of an innovative strategy that addresses individual needs and provides customized interventions.
7. Conducting one-credit courses centrally through IIPC.