



BANNARI AMMAN INSTITUTE OF TECHNOLOGY

An Autonomous Institution Affiliated to Anna University Accredited by NAAC with 'A+' Grade

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Research and Development (Centre for Research)



**Annual R&D Newsletter
June 2025 - May 2026
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Centre for Research (CFR)

Vision

The Centre for Research at Bannari Amman Institute of Technology will serve as a globally renowned centre for Scientific Knowledge, Research Excellence and Innovative Technology.

Mission

- To inculcate the research culture of the institute and thus improve the profile of the institute.
- To indulge in extensive core and multi-disciplinary research activities.
- To develop core group of faculty members with high research potential.

Specific Objectives

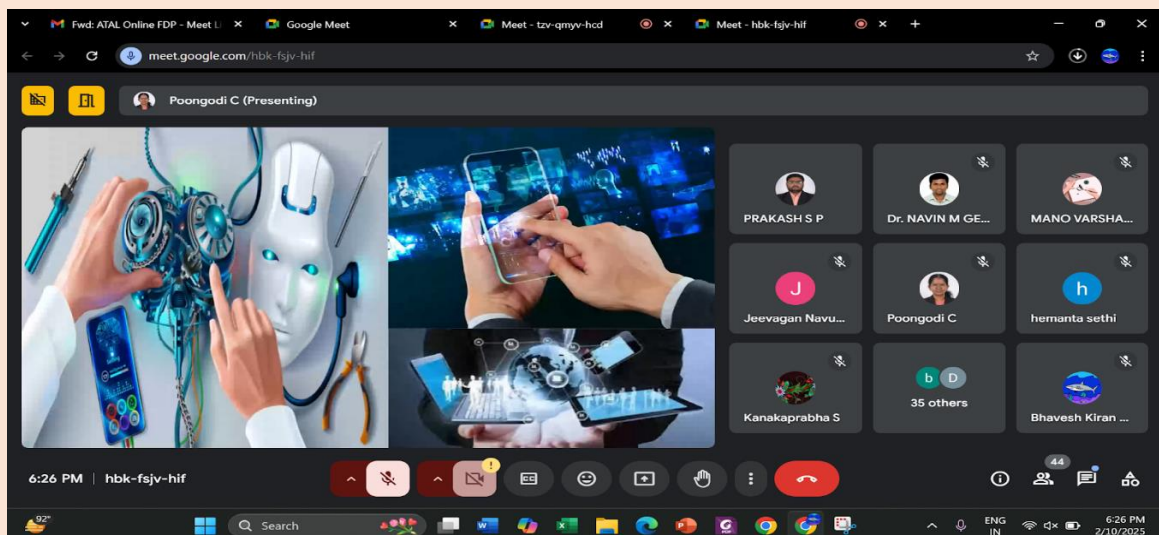
- To create an excellent research ambiance and infrastructure.
- To facilitate inter, multi- and trans- disciplinary research.
- To publish papers in internationally renowned journals, file patents, and facilitate the transfer of technologies to relevant industries.
- To continuously monitor the research outputs for ensuring quality by appropriate committees.
- To enable faculty members and students to translate the knowledge and research into new products to improve the lifestyle of the people.
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Funding Proposal Sanctioned

AICTE TRAINING AND LEARNING (ATAL) Sponsored Online 6 Day Faculty Development Programme on “AI-Enhanced 6G: Pioneering the Next Generation of Wireless Innovation



Grantee	:	Dr Poongodi C
		Dr Deepa D
Funding agency:		AICTE ATAL
Amount:		Rs. 1,00,000/-
Duration:		6 Days

Scope of the Work

AI-Enhanced 6G for next generation wireless system 6-Days AICTE TRAINING AND LEARNING ACADEMY (ATAL) sponsored Faculty Development Program was conducted from 10th to 15th February 2025 in which around 140 participants from different parts of the country participated. AI-Enhanced in 6G Wireless Communication Networks explores the emerging role of AI in the development and optimization of 6G wireless communication networks. As the next generation of wireless technology, 6G aims to provide unprecedented capabilities, including ultra-high-speed data transfer, ultra-reliable low-latency communication (URLLC), and support for massive device connectivity. However, the complexity of 6G networks introduces significant challenges in areas like signal processing, resource allocation, security, and network optimization. AI offers innovative approaches to address these challenges, unlocking new possibilities for more efficient, reliable, and intelligent 6G networks. AI driven spectrum management and optimization is another key area in 6G wireless communication.

**TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY
DOTE CAMPUS**

Project Scheme (2024-25) – Approved

Organic Liquid Crystals as Thermal Shutters for Smart Window Applications

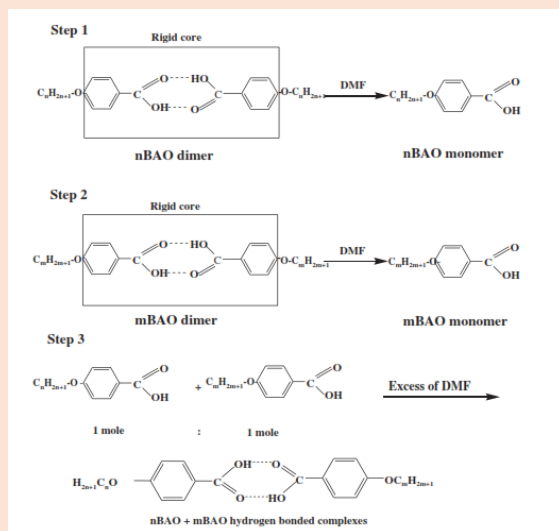


Figure 1

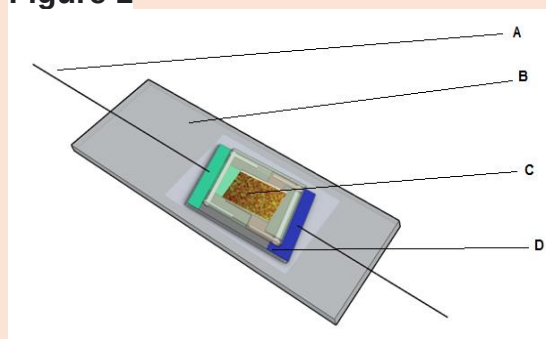


Figure 2a (A) Silver wire leads connected to the cell by silver paste, (B) Clean transparent optical glass substrate, (C) Liquid crystal sample and (D) ITO coated polyamide buffed cell

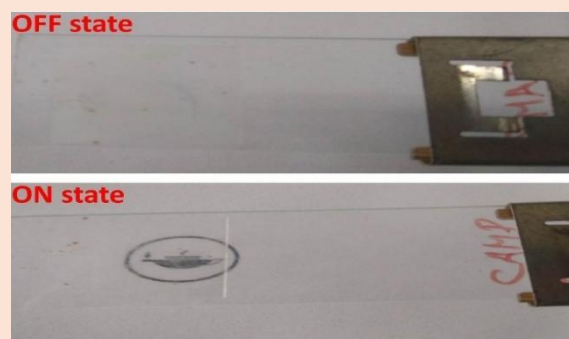


Figure 2b

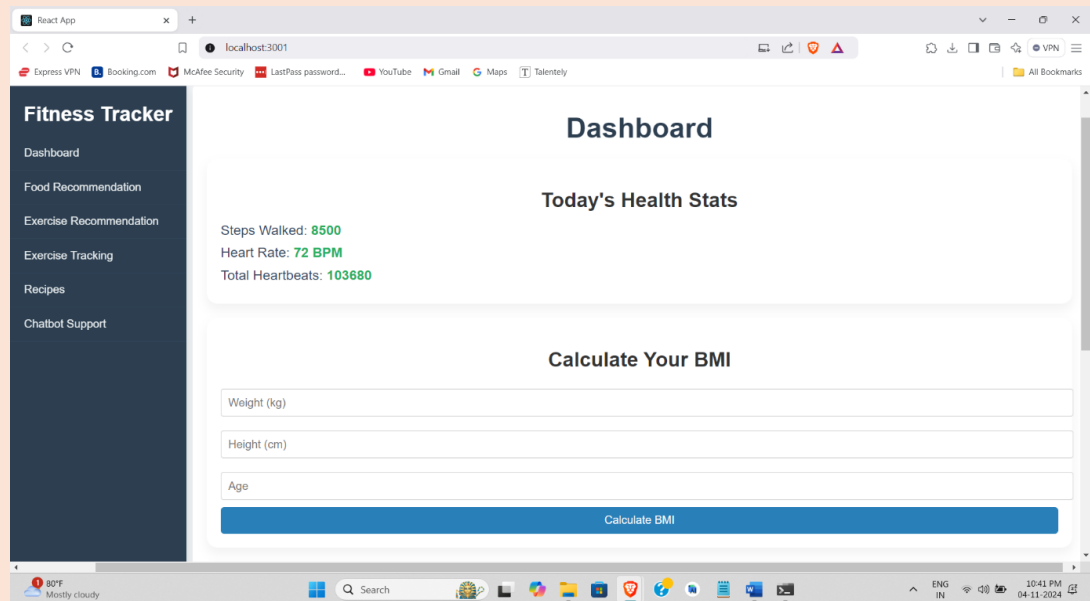
Grantee: Dr N Pongali Sathya Prabu
Funding agency: TNSCST Student Project Scheme
Amount: Rs. 7500 /-
Project status: Completed

SCOPE OF THE PROJECT

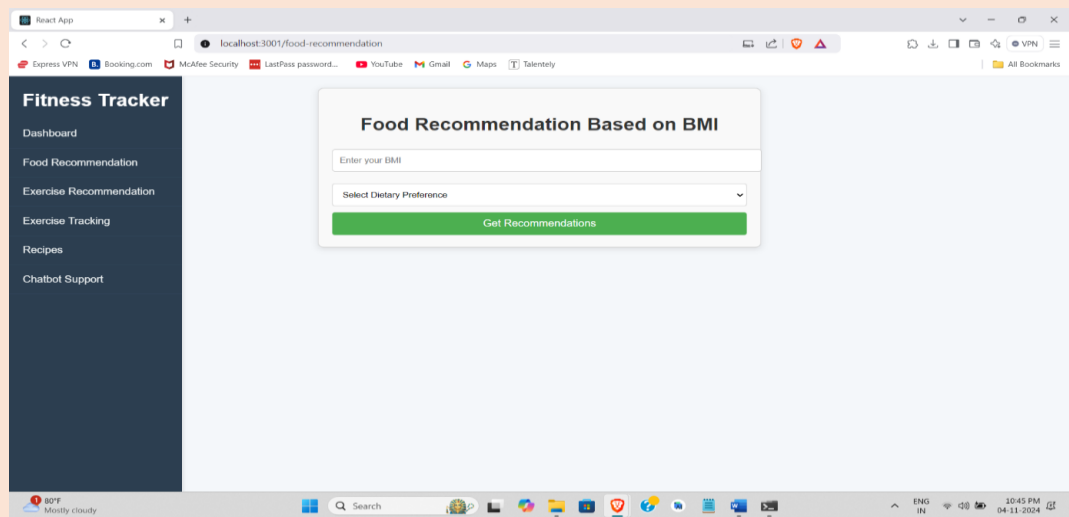
The scope of the project involves synthesizing hydrogen bonded liquid crystals, its thermal characterization and fabrication of thermal shutter for smart window and LCD applications. The synthetic route adopted for the preparation of hydrogen bond liquid crystals is well established (Figure 1). It consists of three step process which is detailed below:

Step 1 and 2 involves conversion of dimer namely n-alkyloxy benzoic acid and m-alkyloxy benzoic acid into monomeric form with the addition of excess Dimethyl Formamide (DMF). In step 3, one mole of n-alkyloxy benzoic acid is mixed with one mole of m-alkyloxy benzoic acid in excess DMF and the mixture is stirred for 12 hours at 30°C until a white color precipitate is observed. The synthesized HBLC will be placed on a slide with cover slip. A thermal field is given to a liquid crystal and the optical molecular action is observed (Figure 2a). The OFF and ON states of thermal shutter will be recorded (Figure 2b). When light is passed through this liquid crystal cell (LCC) from 30°C to 90°C, the molecules of the liquid crystal mesogen hinder the light. The LCC is mounted in an Instec HCS-402 and heated to a temperature above 90°C where the liquid crystal melts. At this temperature, when the light is passed through the LCC, the light is uninterrupted. So by just applying a threshold thermal field, the mesogen acts as novel thermal shutter as depicted.

PERSONALIZED FITNESS TRACKER TO ASSIST HEALTHY “LIFESTYLE”



Dashboard



Food Recommendation Based on BMI

Grantee: Dr Bharathi A

Funding agency: TNSCST Student Project Scheme

Amount: Rs. 7500 /-

Project status: Completed

Duration: 6 Months

Scope of Sanctioned Funding

The *Personalized Healthcare Fitness Tracker* aims to provide customized fitness and diet plans based on individual BMI, gender, and health goals.

It includes:

- BMI Calculation for tailored health categorization.
- Real-time Exercise Tracking using Media Pipe for posture correction and activity recognition.
- Diet Recommendations via RapidAPI, offering personalized meal and recipe suggestions.
- Chatbot Support for answering fitness queries and boosting user motivation.
- User-Friendly Interface built with React.js for smooth navigation and engagement.
- Scalable Design allowing future enhancements like wearable integration and AI-driven insights.

Funding Proposals - Ongoing

Prototype Design and Field Trial of an Elephant Infrasonic Warning Call Generator system



Grantee	: Dr Sanjoy Deb
Funding agency	: DST SERB
Amount	: Rs.15, 18,000/-
Duration	: 3Years
Project Status	: ongoing

Scope of Sanctioned Funding:

The sanctioned funding will support the recording and analysis of behavior-specific infrasonic calls of camp elephants, focusing particularly on natural warning calls. This includes equipment procurement, field visits, and behavioral data collection to ensure authenticity. Signal processing software and tools will be utilized to analyze call characteristics such as frequency, amplitude, and duration. Based on the findings, the funding will also cover the development of a prototype Infrasonic Warning Call Generator System (IWCGS), comprising a subwoofer system, integrated audio playback unit, and user-friendly interface. The funds will further support field trials involving at least three IWCGS units deployed at strategic locations. These trials will assess the system's ability to evoke appropriate elephant responses and its effectiveness in mitigating human-elephant conflict. The impact analysis will inform refinements and the feasibility of large-scale deployment.

Design and Field Trial of an IOT based Ultra-Low-Cost Ground Vibration Tracker for Mining Sectors



Grantee	: Dr Sanjoy Deb
Funding agency:	TEXMIN
Amount	: Rs. 14,13,000/-
Duration:	2 Years
Project Status	: Ongoing

Scope of Sanctioned Funding:

The scope of the project is to design, develop, and field-test an ultra-low-cost Ground Vibration Tracking (GVT) system tailored for mining applications. The system integrates sensor technology, embedded hardware, GSM communication, solar power, and a user-friendly mobile app interface to monitor ground vibrations in real-time. It includes custom-designed circuits, a metal enclosure, and provisions for SMS alerts when abnormal vibrations are detected. The project also focuses on capturing and analysing low-frequency signals using custom geophones and signal processing algorithms like FFT and Gaussian filtering. The system is tested in laboratory conditions and will be field-deployed for performance validation. The ultimate goal is to offer a reliable, portable, and cost-effective solution for vibration monitoring in remote mining areas.

Minimizing Elephant Electrocution Death by Equipping Forest Guards with Solar Fence Inspection Stick

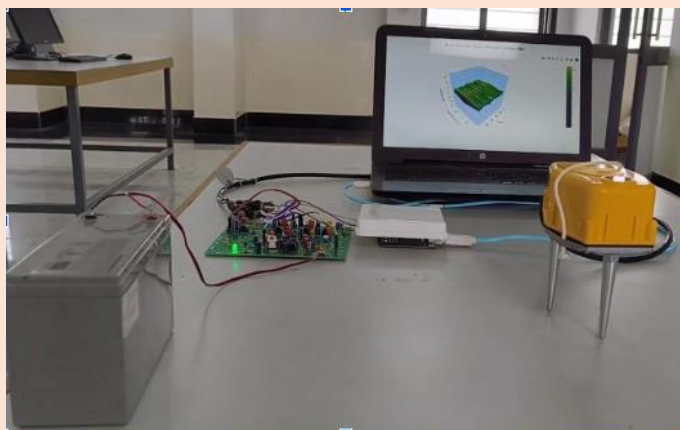


Grantee	: Dr Sanjoy Deb
Funding agency	: Elephant Managers Association (EMA), USA
Amount	: Rs.147595
Duration	: 1 Years
Project Status:	ongoing

Scope of Sanctioned Funding:

This project focuses on minimizing elephant electrocution deaths by deploying 30 indigenous Solar Fence Inspection Sticks in high-risk forest areas: Sathyamangalam Tiger Reserve, BRT Tiger Reserve, and Coimbatore Forest Division. These portable, solar-powered tools can detect illegal 220V AC connections in fences, enabling forest officials to take immediate action and prevent wildlife fatalities. Alongside device deployment, the project includes training forest guards, conducting awareness campaigns among farmers, collecting field data, and analyzing impact. The broader goal is to establish Solar Fence Inspection Sticks as a scalable, field-ready solution for addressing human-elephant conflict across India.

Design and Trial of an Artificially Intelligent Early Warning System for Tunnel Construction

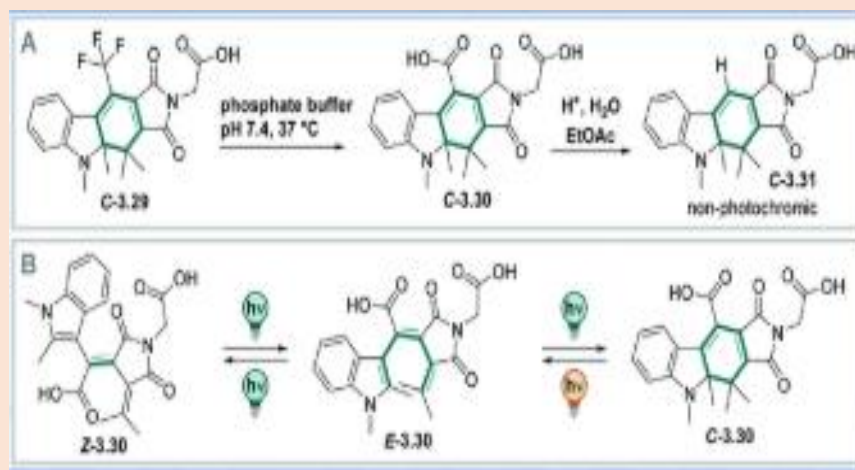


Grantee	: Dr Sanjoy Deb
Funding agency	: National Institute of Disaster Management (NIDM)
Amount	: Rs. 7,80,000
Duration	: 2 Years
Project Status	: ongoing

Scope of Sanctioned Funding:

The project aims to develop and validate an indigenous Artificially Intelligent Vibration Early Warning System (AI-VEWS) to monitor low-frequency vibrations during tunnel construction. The scope includes creating a location-specific vibration database, designing sensor modules, signal processing units, and developing AI algorithms for real-time classification of hazardous vibrations. Alerts will be delivered via sound, light, and mobile app notifications. The system will undergo lab testing and field trials across various terrains. This project contributes significantly to disaster mitigation by ensuring tunnel worker safety, reducing reliance on costly foreign-made instruments, and enabling pre-commercialization of a scalable, AI-driven early warning system tailored for India's infrastructure development in mountainous and urban tunnel environments.

Metallosupramolecules in Nanoconfined Environments - Intelligent Probes for Bioinspired Photoswitching Molecules



Grantee	: Dr Sathish V
Funding agency	: SERB
Amount	: Rs. 18,30,000/-
Duration	: 3 Years

Scope of the work:

This research focuses on synthesizing and characterizing transition metal-based supramolecular assemblies with applications in biomimetic, photo switching, and host-guest chemistry. This study aims to explore molecular recognition, photo physical properties, and photo isomerization in confined environments, providing insights into designing advanced materials for sensors, catalysis, and bio imaging. This work will be hopeful for the commitment to cutting-edge research aligned with sustainable and impactful scientific advancements

Faculty Entrepreneurship Development Programme on “Innovation, Incubation and Startups”



Grantee	: Dr Balakrishnaraja R
Funding agency	: DST
Amount	: Rs. 7,50,000/-
Duration	: 3 Weeks

Scope of Sanctioned Funding:

The Faculty Entrepreneurship Development Programme (FEDP) on "Innovation, Incubation, and Startups" aims to equip educators with the knowledge and skills necessary to foster entrepreneurial thinking and action within academic environments. This program will explore the critical components of innovation, the process of nurturing new ideas, and the establishment of startups, providing faculty members with tools to guide and mentor students in these areas. Participants will gain insights into creating and managing incubators, understanding the startup ecosystem, and the role of innovation in driving economic growth. By integrating case studies, hands-on workshops, and industry collaborations, the program seeks to enhance faculty capabilities in fostering a culture of entrepreneurship, equipping them to play a key role in shaping the next generation of innovators and entrepreneurs. Ultimately, the program will empower faculty to serve as catalysts for change, supporting the development of high-impact startups that contribute to societal progress and technological advancement.

Funding Proposal Applied

S.No.	Faculty Name	Name of the Project	Funding Agency	Amount (in Rs.)
1	Rajalashmi K	TNSCST	Entrepreneurship Development Training On Value Added Agriproduct Solar Dryer For The Empowerment Of The Tribal Women In Kadambur Hills, Sathyamangalam	3740000
2	Anandha Moorthy A	SERB	Natural Polymer Material For Bone Replacement	15000
3	Anandha Moorthy A	SERB	Natural Polymer Material For Bone Replacement	15000
4	Anandha Moorthy A	SERB	Natural Polymer Material For Bone Replacement	30000
5	Anandha Moorthy A	SERB	Natural Polymer Material For Bone Replacement	2000000
6	Anandha Moorthy A	SERB	Natural Polymer Material For Bone Replacement	30000
7	Dinesh D	AICTE	Robotics And Automation In Industry 4.0	360010
8	Vijayanand P S	DST	Design Of One Dimesnional And Two Dimensional Aniline Nanocomposites	1960000
9	Sanjoy Deb	Others	An Initiative For Human-Elephant-Conflict Mitigation Through Design And Installation Of Sms Operated Electronic Elephant Signage	1260000
10	Deepa Priya B S	DST	A Mobile Micro Finance Platform With Ai-Powered Lending For Rural Women Entrepreneurs	100000
11	Ramya P	SERB	Electric Field Generator For Aquastic Systems	1500000
12	Prakash K	TNSCST	Innovative Science Exhibition For School Students	300000
13	Rajalashmi K	DST	Development Of Solar-Biomass Powered Community Food-Processing System For Improving Livelihood And Employ-Ability Of Tribal Women	3200000
14	Bharathi A	AICTE	Ai-Enabled Cyber Physical Systems And Cyber Security For Smart Infrastructure And Industry 4.0	200000
15	Sathiyamurthi P	DST	Nano Structured Polymer Composite For Effective Electromagnetic Shielding Applications	1970000
16	Venkatesan R	TNSCST	Quantum Computing Basics & Applications	120000

17	Kannan K P	Others	Biodiversity Of Endophytic Fungi From Medicinal Plants Of Western Ghats As Sources Of Bioactive Molecules	6231600
18	Bharathi A	TNSCST	Two Day Workshop On Building Video Analytics Application On The Edge Devices	125000
19	Vijayanand P S	DST	Nano Structured Polymer Composite For Effective Electromagnetic Shielding Applications	20
20	Vasudevan M	AICTE	Sustainable And Resilient Innovations In Smart Habitat, Technology And Energy Infrastructure (Srishtei-2026)	200000
21	Madheswaran S	TNSCST	State Level Seminar On Future Of Artificial Intelligence In Mechanical Engineering	30000
22	Tamilselvi S	BIRAC	Enhancement Of Economically And Therapeutically Important Secondary Metabolites In Rosmarinus Officinalis Assisted By Region Specific Potential Bacterial Strains.	1938000
23	Rajasekar S S	AICTE	Exploration Of Machine Learning And Deep Learning Applications In Industries	500000
24	Rajasekar S S	AICTE	Exploration Of Machine Learning And Deep Learning Applications In Industries	10130000
25	Dhivya P	SERB	Five Day National Level Hands On Workshop In "Building Ai Models For Smart Education In Native Languages"	105000
26	Premalatha K	AICTE	Multimodal Ai-Vr Therapy Platform For Neurodevelopmental Conditions Integraing Visual, Cognitive, And Behavioural Modules With Personalized Intervention And Real-Time Progress Monitoring	4877000
27	Vinothini V R	Others	Mathematically-Informed Deep Learning Models For Enhanced Interpretability And Precision In Healthcare	500000
28	Premalatha K	SERB	Revoiced: A Personalized Ai Framework For Dysarthria Rehabilitation With Smart Therapy And Regional Language Support	5877600
29	Saranya S	DST	Nutritional And Functional Validation Of Underexplored Indian Medicinal Plants For Sustainable Functional Food Development	4826400
30	Ashwin Raj S	Others	Waste To Wealth: Production Of Sustainable Biobutanol Utilizing Spent Substrate Of Pleurotus Ostreatus (Oyster Mushroom) And Its Technoeconomic Feasibility Analysis	200000
31	Revathi V M	Others	Robust H-Infinity Filtering Framework For Stealth Attack Detection In Cyber-Physical Systems	500000
32	Gayathiri B	Others	Controlling Of Cardiac Abnormalities Using Fractional Integro-Differential Equations With Impulsive Conditions By Esn Tool	500000
33	Thulasimani T	Others	Mathematical Intelligence For Industry	2500000
34	Senthilkumar P	AICTE	Ai Driven Autonomous Mobile Manipulator For Medicine Delivery, Sample Handling,	4512000

			Patient Assistance, And Hospital Disinfection	
35	Murali Krishnan M	DST	Smart Molecular Switches For Solar Heat Storage: A Computational Study On Azothiophene And Norbornadiene Systems	2500000
36	Premalatha K	ICMR	National Workshop Cum Seminar On Advancing Biomedical Research Through Ai And Smart Healthcare	100000
37	Vanitha K	Others	Perovskite Matrix-Stabilized Complex Hydrides For Efficient Hydrogen Storage: Insights From Dft Simulations	500000
38	Saranya D	Others	Advanced Multidecomposition Of Hypercube Graphs Into Hamiltonian Cycles And Fundamental Substructures: Structural Foundations And Applications In Fault-Tolerant Network Design And Parallel Computing	500000
39	Saravana Moorthi P	Others	Smart Learning In Mathematics: A Proposal For Ai Integration	300000
40	Ashwin Raj S	TNSCST	Hybrid Ozonation–Biodegradation Approach For Efficient 4-Chlorophenol Removal Using Bacteria Isolate	9350
41	Poongodi C	DST	Ai And Big Data Analytics-Driven Mathematical Modelling For Urban Poverty Mapping And Resource Allocation To Enhance Public Welfare Scheme Delivery	2500000
42	Deepa D	DST	Development Of Mathematical Model And Computational Approaches For Biomedical Emg Signal Analysis And Interpretation Using Hybrid Empirical Mode Decomposition (Emd) And Wigner-Ville Distribution (Wvd) For Early Detection Of Muscular Disease	20000000
43	Sangeetha K	Others	Development Of A Scalable Prototype Filter For Microplastic Removal Using Activated Magnetic Biochar–Pva Nanofiber Membranes	8952640
44	Parimala M	Others	Renewable Energy Prioritization For Sustainable Development: An Integrated Hybrid Mcdm And Artificial Intelligence Framework	500000
45	Praveena R	DST	Prediction And Design Of Pharmaceutical Co-Crystals Using Hybrid Dft – Machine Learning Models	1200000
46	Saranya S	DBT	Nutritional Dynamics Of Microgreens And Their Application In Fortified Whey-Based Functional Foods	12343680
47	Ashwin Raj S	TNSCST	Biochar-Integrated Anaerobic Digestion For Sustainable Methane Production From Food Waste	9375
48	Nagarajan P	AICTE	Development Of A Pneumatically Controlled Multi-Jet Dispensing 3d Printer For Fabricating Intelligent Biomedical Devices With Layered Stiffness	4210000
49	Pravin M C	SERB	Ai-Driven Machine Vision And Advanced Ndt Training Framework For Quality Enhancement In Welded Steel Structures	2055360

50	Dhivya P	TNSCST	Smart Farming Tamil Nadu: Empowering Farmers Through Next-Gen Agri-Tech	123000
51	Indirani C	Others	Heart Disease Prediction Using Fuzzy Logic-Based Image Processing And Classification Techniques	500000
52	Sivaraman P	DST	Ai-Enabled Edge-Computing For Commercial Microgrid Energy Management In India: Design Pilot And Phase-Scale Deployment	23400000
53	Venkateshkumar U	Others	Design Of Wireless Sensor Lora Wan Network	3929788
54	Sivaraman P	AICTE	Solar Powered Gamified Ai-Driven Iot Learning Device For Differently-Abled Learners	4835000
55	Stephen Sagayaraj A	Others	Fpga-Based Prototyping And Soc Implementation For Real-Time Detection Of Post-Harvest Sulphur Fumigation In Produce	5400000
56	Elango S	AICTE	Real Time Industrial Monitoring System For Production Quality Improvement In Pcb Manufacturing & Assembly	4930000
57	Baranidharan V	MSME	Samudra Mitran – An Autonomous Underwater Vehicle For Sustainable Seaweed Farming	1500000
58	Elango S	DIT - Meity	Eda Tool Support To Institutions Other Than The Institutions Under C2s Programme	0
59	Karthiga Shenbagam N	DST	Studies On Structural Performance, Rheological And Micro-Structural Characteristics, Printing Processes Of 3d Geopolymer Concrete	3000000
60	Poongodi C	DST	High-End Workshop On Ai-Enabled Joint Communication And Sensing For Beyond-5g (B5g) Wireless Communication Systems	245000
61	Sanjoy Deb	Others	Ai-Enabled Software Interface For Roof Top Solar Performance Monitoring And Prediction	1485000
62	Kodieswari A	DST	Quantum Technologies Undergraduate Teaching Laboratory At Bannari Amman Institute Of Technology A Capacity-Building Initiative	18335000
63	Sakthishobana K	TNSCST	Anti-Biofilm Formation From CuO Nanoparticles And Biosurfactants: A Synergistic Approach	8000
64	Sakthishobana K	TNSCST	Low Cost Biochar Derived From Marine Wastes For Bioremediation	8000
65	Praveen Kumar D	TNSCST	Design And Development Of Lateral Winding System For Drip Irrigation	10000
66	Pavithra Mks	TNSCST	Eco-Friendly Water Treatment System Using Calotropis Gigantea – Pga Composite For Agricultural Run Off Remediation	10000
67	Padmashree A	TNSCST	Placemate: Emphasizes The Placement System	10000

68	Padmashree A	TNSCST	Spacelink A Real-Time Unified Rental Platform	12000
69	Padmashree A	TNSCST	Guardshare - Secure File Sharing Platform	10000
70	Saranya S	TNSCST	Development Of Functional Soup Mix From Nutrient-Dense Greens: A Sustainable Dietary Alternative	7500
71	Padmashree A	TNSCST	Study Sync: Smart Study Group Planner	10000
72	Balaji S	TNSCST	Bioresorbable Ureteral Stent In The Treatment Of Ureteral Obstruction And Post-Surgical Complications	1000000
73	Saranya S	TNSCST	Cempedak Seed Powder: A Nutritious Plant-Based Alternative For Functional Foods	7500
74	Chandraprabha K	DIT - Meity	Auraguard: A Human-Centric Cybersafety Ecosystem For Women And Children Using Emotional Ai And Digital Twin Monitoring	3160000
75	Jaya K	Others	Centre Of Excellence In Ai-Driven Rural Transformation - Integrating Education, Wellness, Livelihoods, And Cultural Preservation For Sustainable And Self-Reliant Communities	2250000
76	Jaya K	Others	Centre Of Excellence In Ai-Driven Rural Transformation - Integrating Education, Wellness, Livelihoods, And Cultural Preservation For Sustainable And Self-Reliant Communities	244880000
77	Sangeetha K	DST	Agro-Waste Valorization Scalable Solid-State Conversion Of Sugar Industry Byproducts Into Carbon Nanotubes For Hybrid Energy Storage Applications	8976000
78	Sangeetha K	DST	Scalable High-Throughput Magnetic Nanofiber Platform For Dual Breast Cancer Therapy Through Targeted Drug Delivery And Hyperthermia	9970000
79	Premalatha K	Others	Family, Society, And Institutions	2992000
80	Premalatha K	Others	Advancing Research Competencies: A Capacity Building Programme On Research Methodology For Social Science	800000
81	Premalatha K	BRNS	National Symposium On Digital Twins And Smart Ai Systems For Radiation-Induced Health Analytics (Dt-Sai-Rha 2026)	100000
82	SwathyPriyadharsini P	DST	Integration Of Deep Learning And Satellite Remote Sensing For Real-Time Landslide Detection And Forecasting In Indian Hilly Terrains	2520000
83	Sanjoy Deb	Others	Design And Large-Scale Deployment Of Advanced Solar Stick As A Utility Tool To Prevent Elephant Electrocution	450000
84	Sivaraman P	SERB	Industrial-Scale Smart Grid Integration For Manufacturing In Industry 5.0	175000
85	Balaji S	MSME	Copper Nanoparticle-Assisted Sustainable Management Of Poultry Litter	1000000

86	Padmashree A	TNSCST	Generative Ai Workshop: Intelligent Solutions For Real-World Community Challenges	80000
87	Bharathiraja M	SERB	Two Days Workshop On "Virtual Instrumentation: Graphical System Design For Advanced Engineering Application"	95000
88	Bharathiraja M	TNSCST	Two Days Workshop On "Virtual Instrumentation: Graphical System Design For Advanced Engineering Application"	30000
89	Dhivya P	TNSCST	Building Ai Models For Smart Education In Native Languages	120000
90	Sampoornam K P	MNRE	Altered Artificial Algae Algorithm Based Optimized Battery Cell Balancing Using T Shaped H Bridge Multilevel Converter	4327449
91	Tamilthendral M	TNSCST	Foundational And Emerging Quantum Technologies In Computing	135000
92	Bharathi A	AICTE	Two-Day Hands-On Workshop On Generative AI And Multilingual Nlp For Tamil And Indian Language Applications	200000
93	Jegadheeswaran S	SERB	Development Of Sustainable Gas Diffusion Layers For Proton Exchange Membrane Fuel Cells Using 3d-Printed Rice Husk-Derived Carbon And Performance Optimization Using Machine Learning	3023000
94	Pavithra Mks	DBT	Unveiling Data-Driven Therapeutic Targets In Cervical Cancer For Phytochemical Screening	5315200
95	Deepa D	AICTE	Smart India Hackathon	2215000
96	Arunasree Tna	DBT	Sustainable Bamboo Shoot Postbiotic-Phytoactive Nano-Formulation Systems For Shelf-Life Enhancement Of Ner Mushroom In Post-Harvest Chains	4378000
97	Padmashree A	DBT	An Ai-Enabled Domain-Specific Large Language Model For Personalized Biotechnology Education	1735000
98	Karthiga Shenbagam N	DST	Design For Survival: Low-Cost Climate-Adapted Housing Colony In High-Risk Areas", Aligned With Sdgs 9 (Industry, Innovation, Infrastructure), 11 (Sustainable Cities), 13 (Climate Action), And 15 (Life On Land).	11715000
99	Arulmurugan L	Others	Experimental Analysis Of Acoustic Impact On Crocodiles And Development Of A Crocodile Deterrent System	50000
100	Premalatha K	BRNS	Development Of An Ai-Based Model For Lung Cancer Using A Radiogenomic Approach	11000188
101	Maheswari K T	Others	Assessing The Impact Of Digital Assets And Cryptocurrency Adoption On Society And Financial Inclusion In Southern India: A Comparative Evaluation Of Urban And Rural Contexts Using Responsible Artificial Intelligence	200000
102	Maheswari K T	Others	Assessing The Impact Of Digital Assets And Cryptocurrency Adoption On Society And Financial Inclusion In Southern India: A	1500000

			Comparative Evaluation Of Urban And Rural Contexts Using Responsible Artificial Intelligence	
103	Kodieswari A	DBT	Development Of An Explainable Artificial Intelligence–Driven Software Platform For Antimicrobial Resistance (Amr) Prediction Using Integrated Genomic And Phenotypic Data	5894730
104	Maheswari K T	ISRO	Gan Based High Frequency Programmable Cc-Cv Dc-Dc Converter	1800000
105	Gomathi R	ISRO	Material Property Prediction Using Machine Learning & Deep Learning Models	2464000
106	Sangeethaa Sn	SERB	Sixth International Conference On Artificial Intelligence And Smart Computing - 2026	55000
107	Sangeethaa Sn	ISRO	Secure And Accurate Retrieval-Augmented Generation Framework For Domain-Adaptive Applications	1426800
108	Murugan K	ISRO	Design Of Fault Tolerant Efpqa Soft Core With Interface To Risc-V Processor	3410200
109	Vignesh S	Others	Wear-Induced Performance Degradation In Traditional Yantra Mechanisms: A Tribological Engineering Investigation	891000
110	Pushpavalli M	ANRF	Low Cost Automated Detection Of Fruit Diseases, Ripeness Levels And Physical Defects In Smallholder Farming System Using Mobile Vision Technology For Rural Advisory Services And Inclusive Agricultural Development Applications	2200000
111	Kodieswari A	SERB	Two Day Seminar On Quantum Machine Learning: Engineering The Next Frontier Of Intelligent Systems	155000
112	Rajeshkumar G	TNSCST	Development Of A Semantic Knowledge Platform For Village-Level Data Extraction And Summarization	500000
113	Indirani C	ANRF	System And Method For Intelligent Multi-Generational Digital Health Service Delivery	12500000
114	Vasudevan M	Others	Organic Bio-Composite Hydrogels For Soil Moisture Conservation	1724800
115	Kumaresan G	BIRAC	Pilot-Scale Demonstration Of An Ai-Optimized Integrated Biphasic Dark–Photo Fermentation System With Microalgae-Based Co2 Recycling For Near-Zero-Emission Hydrogen Production From The Organic Fraction Of Municipal Solid Waste Ofmsw	138300000
116	Senthil Kumar J	ISRO	Res-Vssc-2025-015: Data-Driven Fault Detection/ Classification In Electronic Circuits	1736800
117	Pongali Sathya Prabu N	TNSCST	Improvising Thermal Sensor Effect Through Parachromatism Phenomenon Observed In Hydrogen Bonded Ferroelectric Ternary Liquid Crystals	75000
118	Pongali Sathya Prabu N	TNSCST	Early Cancer Biomarker Monitoring By Supramolecular Hydrogen Bonded	425000

			Thermotropic Liquid Crystals As Optical Platforms	
119	Sadhasivam N	TNSCST	IoT-Based Smart Diabetes Monitoring And Early Prediction System Using Artificial Intelligence	495550
120	Gowrishankar L	TNSCST	Development Of A Bitter Gourd–Enriched Coconut Sap Functional Drink To Support Diabetic Wellness And Natural Healing	75000
121	Venkatesan R	TNSCST	Generative Ai And Llms: The Future Of Adaptive Cybersecurity	120000
122	Alex Stanley Raja T	TNSCST	Grid-Forming Converter For Pv Integrated Smart Grids	450000
123	Padmashree A	TNSCST	AI Driven Hyperlocal Heatwave Risk Prediction And Occupational Heat Stress Alert System For Climate-Resilient Tamilnadu	488000
124	Thanga Parvathi B	TNSCST	Water Demand Forecasting And Prediction	500000
125	Praveen Kumar D	TNSCST	Synthesis Of Nano Biochar Infused Fertilizer From Agricultural Residues For Efficient Nutrient Management	483000
126	Ramya P	TNSCST	Design And Development Of An Infrasonic Hydrophone System For Monitoring Anthropogenic Underwater Acoustic Pollution	495000
127	Vijayakumar V N	ANRF	Role Of Complementary Hydrogen Bonding In Tailoring Mesomorphism And Nonlinear Optical Performance: An Integrated Experimental And Dft Approach	4950000
128	Rajaseetharama S	DBT	Bio-Grid Centre For Translational Bioinformatics And Computational Systems Biology	12954000
129	Gowrishankar L	TNSCST	Women-Led Shg Enterprise For Production And Commercialization Of Probiotic Pearl Millet Beverage To Enhance Rural Livelihood And Community Nutrition In Tamil Nadu	500000
130	Sangeetha K	ICMR	Stimuli-Responsive Oxygen-Generating And Antibiotic-Loaded Electrospun Nanofiber Smart Wound Healing System For Adaptive And Affordable Management Of Diabetic Foot Ulcers	20675016
131	Arulmurugan L	TNSCST	Design And Development Of A Solar-Powered Autonomous AI Drone System For Long-Endurance Elephant Monitoring And Human–Wildlife Conflict Reduction In Tamil Nadu Forest Ecosystems	95000
132	Ashwin Raj S	TNSCST	Integrated Circular Biorefinery For Sustainable Biobutanol Production From Water Hyacinth With CO ₂ Sequestration And Algal Wastewater Treatment	445000
133	Arulmurugan L	TNSCST	AI-Based Wildlife Monitoring And Species Identification System Using Open-Access Species Net Model For Biodiversity Conservation In Tamil Nadu	485000

134	Sivabalakrishnan R	Others	Design And Development Of A Non-Invasive Brain–Computer Interface (Bci) Controlled Autonomous Rehabilitation Robotic Chair For Neurological And Orthopedic Patients	200000
135	Sivabalakrishnan R	Others	Design And Development Of A Non-Invasive Brain–Computer Interface (Bci) Controlled Autonomous Rehabilitation Robotic Chair For Neurological And Orthopedic Patients	2540000
136	Tamilselvi S	TNSCST	Influence Of Altitude And Rhizosphere Microbial Communities On Physiological Performance And Rosmarinic Acid Accumulation In Rosmarinus Officinalis L.	495000
137	Veerakumar S	TNSCST	Design And Development Of A Highefficiency, Rare-Earth-Free Bldc Hub Motor With Advanced Hairpin Winding And Optimized Magnetic Circuit For Electric Vehicles	289000
138	Saranya S	TNSCST	Design And Scientific Validation Of A High-Pressure Processed Herbal Functional Beverage From Western Ghats Medicinal Plants Of Tamil Nadu For Metabolic Health And Rural Value Addition	450000
139	Subbulakshmi M	ISRO	Material Property Prediction Using Machine Learning & Deep Learning Models	2464000
140	Ashwin Raj S	AICTE	A Two Day Workshop On Smart Technologies And Generative Ai In Herbal Nutraceutical And Functional Food Sciences: Innovations And Future Directions	200000
141	Sundaram S	TNSCST	Design And Functional Engineering Of Ternary Liquid Crystalline Materials For Dual-Mode Energy Conversion And High-Performance Optical Filters	10000
142	Goldvin Sugirtha Dhas B	TNSCST	Acoustic Rpm Sensor	375000
143	Sathiyamurthi P	TNSCST	Design And Evaluation Of Nano-Engineered Antimicrobial Polymer Composites For Shelf-Life Enhancement Of Poultry Products	500000
144	Tamilthendral M	ANRF	Generative Ai And Cybersecurity: Emerging Threats And Strategic Pathways For National Digital Resilience	229000
145	Adhinarayanan B	Others	Women's Development Intervention Approach: A Study To Enhance Livelihood, Health, Financial Inclusion, Digital Literacy And Rights Among Women In Tamil Nadu.	1495000
146	Sangeetha K	ICMR	Ai-Assisted Optimization Of Dual-Drug Polymeric Nanoparticles For Controlled Chemotherapeutic Delivery In Breast Cancer	4692464

Patent

S.No.	Patent Title	Name of the Faculty	Department	Patent Status
1	A Study On The Influence Of Effective Pedagogical Strategies In English Speaking And Learning	Gayathiri B	Mathematics	Filed
2	Impact Of Advantages Of Performance-Based Budgeting In Optimizing Financial Planning And Management	Gomathi M	Mathematics	Filed
3	Radioactive Material Handling Mechanical Machine	Boopathiraja K P	Mechanical Engineering	Filed
4	AI-Driven Collaborative Learning Systems For Improved Academic Performance In Higher Education	Senthil Kumar N	School Of Management Studies	Filed
5	Laptop Stand	Mathankumar P	Mechanical Engineering	Filed
6	Automated Liver Tumor Detection System Using Machine Learning And Advanced Image Processing 1	Harikumar R	Electronics And Communication Engineering	Filed
7	System And Method For Sentiment Classification Using Deep Learning Techniques	Elavarasi T	Information Technology	Filed
8	Automated Breast Cancer Detection And Classification System Using Machine Learning And Advanced Image Processing	Harikumar R	Electronics And Communication Engineering	Filed
9	An Intelligent Smart Grid Monitoring And Self-Healing Power Distribution System And Method Thereof	Baranidharan V	Electronics And Communication Engineering	Filed
10	Smart Adaptive Foldable Stair Assist Chair	Dhivya P	Computer Science & Engineering	Filed
11	A Chloride-Selective Core–Shell Transition Metal Chalcogenide Nanocomposite Electrode For Direct Seawater Electrolysis	Anandha Babu G	Physics	Filed
12	2-Carbaldehyde-1,3,4-Oxadiazole Derivatives Substituted With Electron-Withdrawing Groups For Enhanced Intersystem Crossing And Room-Temperature Phosphorescence.	Rameshkumar A	Chemistry	Filed
13	Machine For Biodegradable Sanitary Napkin Made From Banana Plant Waste	Prabhavathi K	Mathematics	Filed
14	Blockchain-Based Health Information Recording Device	Arun Jayakar S	Electronics And Instrumentation Engineering	Filed
15	IoT Enabled Automated Medicine Dispensing Device	Gomathi R	Artificial Intelligence And Data Science	Filed
16	Assistive Eyewear	Swathy Priyadharsini P	Computer Science & Engineering	Filed
17	Analysis Of Secure Mathematical Data Sharing And Computation System	Preetha R	Mathematics	Filed

18	IoT-Integrated Drainage Network For Early Warning And Prevention Of Sewer Overflows	Dhanalakshmi S	Electronics And Communication Engineering	Filed
19	A System And Method For Generating Personalized Learning Paths Using Reinforcement Learning Algorithms	Sathishkannan R	Computer Science & Engineering	Filed
20	IoT Based Underground Crop Ripening Analysis System Field Of Invention.	Sankarananth S	Electronics And Communication Engineering	Filed
21	A Deep Learning Approach To IoT Security: Detecting And Preventing Cyber Threats	Karthikeyan G	Artificial Intelligence And Machine Learning	Filed
22	An AI-Driven Diagnostic Method Employing Interpretable Deep Learning For Improved Detection Of Diabetes And Diabetic Retinopathy.	Nithyapriya S	Artificial Intelligence And Data Science	Filed
23	Impact Of Deep Learning Enabled Security Hub For Modern Wireless Communication System	Suresh R	Mathematics	Filed
24	System For Predicting And Mitigating Financial Risk In Business Operations	Padmashree A	Artificial Intelligence And Machine Learning	Filed
25	IoT-Enabled Intelligent Composite Material Testing And Predictive Analysis System	Dinesh D	Mechanical Engineering	Filed
26	ML-Powered Framework For Evaluating The Role Of Teaching Practices In Social- Emotional Development Of Higher Education Instructors	Balamurugan E	Artificial Intelligence And Machine Learning	Filed
27	Hybrid IoT And Machine Learning Architecture For Intelligent Vehicle Fuel Monitoring And Alert Systems	Saranya D	Mathematics	Filed
28	An Intelligent Computer-Aided Breast Cancer Detection System Using Digital Image Analysis And Machine Learning	Selvi S	Mathematics	Filed
29	The Role Of Shopping Platforms In Shaping Customer Satisfaction	Gnanasundar V M	Civil Engineering	Filed
30	System And Method For AI-Driven Cybernetic Control And Blockchain-Based Process Logging In Composite Fabrication	Uvaraja V C	Agricultural Engineering	Filed
31	Machine Learning-Based Workplace Stress Detection For Employee Well-Being Management	Malathi M	Mathematics	Filed
32	Fault Sensor Device For Detection Of Incipient Fault In Oilfilled Electrical Appliances	Nandhini K M	Electronics And Instrumentation Engineering	Filed
33	An Intelligent Graph Theory Based Machine Learning Framework For English Proficiency Evaluation In Higher Education	Karthika M	Mathematics	Filed
34	Modernized Two-Wheeler Rear Pillion Seat With Side Support	Velmurugan S	Mechanical Engineering	Filed
35	Ergonomic Mechatronics Control Console For Advanced Mechanical Assemblies	Sundarraju G	Mechanical Engineering	Filed

36	A Foaming-Assisted Process For Preparing Zinc And Carbonate Co-Substituted Hydroxyapatite–Gelatin Nanocomposite Scaffolds For Bone Tissue Engineering	Sangeetha K	Physics	Filed
37	Gravity Assisted Kitchen Vessel Holder	Rajalashmi K	Electrical And Electronics Engineering	Filed
38	Peripheral Thiophene-Substituted Zinc(II) Phthalocyanine Derivatives As Photosensitizers For Enhanced Photodynamic Therapy: A Dft/Td-Dft Based Design	Muthukumar P	Chemistry	Filed
39	Laptop Table	Thanga Parvathi B	Computer Technology	Filed
40	Ai Based Building Structural Health Monitoring Device.	Venkatesan R	Information Technology	Filed
41	Supramolecularly Assembled Organic Crystal For Energy, Sensor, And Photonic Device Applications	Siva G	Physics	Filed
42	A Method For Characterizing Optical Filtering Action In Ternary Liquid Crystalline Material Using Fourier Transform Infrared Spectroscopy	Sundaram S	Physics	Filed
43	Battery Thermal Management System	Sivaraman P	Electrical And Electronics Engineering	Filed
44	Ai Based Smart Plant Care Device	Selvakumar M	Information Technology	Filed
45	Smart Table For Elderly Persons	Perarasi T	Electronics And Communication Engineering	Filed
46	Hybrid Ai And Graph Theory-Based Optimization Framework For Bifeo ₃ Sensors In Intelligent Air Quality Monitoring For Smart Cities	Bharathi A	Artificial Intelligence And Machine Learning	Filed
47	Ai-Based Student Stress Detection And Faculty Support System For Enhancing Academic Performance In Higher Education	Senthilkumar G	Mechanical Engineering	Filed
48	Thermally Stable Nematogens Derived From Hydrogen Bonded Liquid Crystals For Electro-Optical Applications	Rohini P	Physics	Filed
49	Wall Mountable Shoulder Saree Pleating Clip	Gayathri S	Computer Science & Engineering	Filed
50	Hybrid Flywheel-Assisted Regenerative Braking Energy Recovery System For Electric Vehicles	Arun Chendhuran R	Electrical And Electronics Engineering	Filed
51	Ai-Assisted High Resolution Image Reconstruction For Ultrasound And Mri	Kodieswari A	Artificial Intelligence And Data Science	Filed
52	An Adaptive Numerical Solver For Complex Boundary Value Problems In Engineering Systems	Malathi M	Mathematics	Filed
53	Foldable Enclosure Structure For Insect Control	Karuppusamy M	Mathematics	Filed

54	Nanoaggregate-Based Rhenium(I) Luminescent Sensors For Antibiotics	Sathish V	Chemistry	Filed
55	Development Of An Efficient And Reusable Semi-Ipn Hydrogel Matrix Comprised Of Chitosan, Cross-Linked Acrylic And Itaconic Acids	Subhapriya P	Chemistry	Filed
56	Wireless Charging Apparatus For Electric Vehicles-Resubmission	Sathiyamurthi P	Electronics And Communication Engineering	Filed
57	Preparation Of Ternary Nanocomposite For Humidity Sensor Applications Using Arduino For Relative Humidity Analysis.	Ashokan S	Physics	Filed
58	Device For Nano-Medicine Preparation For Neurodegenerative Diseases	Sivabalakrishnan R	Mechatronics Engineering	Filed
59	Cloud Enabled Stress Detection Device	Alex Stanley Raja T	Electrical And Electronics Engineering	Filed
60	Low Latency Routing Protocol For Mission Critical Iot Applications In Smart Cities..	Subbulakshmi M	Artificial Intelligence And Data Science	Filed
61	Machine Learning - Driven Design Of Targeted Nanoparticles For Personalized Cancer Therapy	Revathi V M	Mathematics	Filed
62	A Privacy-Preserving Deep Learning Model For Early Disease Detection From Medical Data Streams In Cloud Environments.	Yuvalatha S	Computer Science And Business Systems	Filed
63	Infrasonic Warning Call Generator System (Iwcrs) For Human–Elephant Conflict Mitigation	Arulmurugan L	Electronics And Communication Engineering	Filed
64	Existence Of Ordered Mesophase In Equimolar Ratio Formed Hydrogen Bond Liquid Crystal Binary Mixtures	Pongali Sathya Prabu N	Physics	Filed
65	Flame Retardant Air Cooling Coverall For Hot Work	Muthukumar K	Mechanical Engineering	Filed
66	Development Of Thermo Regulated Jacket For Cold Weather Protection	Janarthanan M	Textile Technology	Filed
67	Integrated Iot And Big Data Architecture For Smart And Sustainable Agricultural Systems..	Saranya K	Computer Science & Engineering	Filed
68	Smart Pipeline With Embedded Wsn For Leak And Pressure Monitoring	Nivetha G	Electronics And Communication Engineering	Filed
69	Solar-Powered Iot Network For Intelligent Water Resource Management In Precision Agriculture	Ramasami S	Computer Science & Engineering	Filed
70	Modular Gravity-Based Fluoride Removal Water Filtration System For High Fluoride Regions	Praveena R	Chemistry	Filed
71	Ai-Enabled Framework For Predicting Mathematical Aptitude And English Fluency To Enhance Job Recommendations In Higher Education	Somasundaram K	Artificial Intelligence And Data Science	Filed
72	Iot Based Spectacles	Chandru K S	Computer Science & Engineering	Filed

73	Dignityglide Sorter: A Holistic Approach To Waste Management And Sanitation Worker - New	Thulasimani T	Mathematics	Filed
74	An Intelligent Robotic Unit For Vegetable Picking	Sangeethaa Sn	Computer Science & Engineering	Filed
75	Impact Of The Ai Advantage In Developing English Communication Skills	Prakash K	Mathematics	Filed
76	In-Silico Molecular Surface And Protein Docking Evaluation Of A Naphthalene Substituted Chlorpheniramine Structural Derivative	Malathi Mahalingam	Chemistry	Filed
77	3d-Tree Model For Visualising Electron Filling In Atomic Orbitals Based On The Aufbau Principle	Viswanathan G	Chemistry	Filed
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80	An Acoustic-Based Non-Contact Rpm Measurement System For Rotating Machinery	Goldvin Sugirtha Dhas B	Electrical And Electronics Engineering	Filed
81	Ai Enabled Prefabrication And Assembly Robot For Civil Construction With Mechanical Precision Feedback Loop	Vinothini V R	Mathematics	Filed
82	Design And Simulation Of A Traffic Light Controller Using Finite State Machine (Fsm) In Verilog	Gopika N P	Electrical And Electronics Engineering	Filed
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117	Electrical Parameter Measuring Device For Electric Vehicles	Sakthiya Ram S	Electronics And Instrumentation Engineering	Grant
118	Radioactive Material Handling Mechanical Machine	Boopathiraja K P	Mechanical Engineering	Grant
119	Electronic Surveillance And Alert Device For Cyber Intrusion Detection	Sakthiya Ram S	Electronics And Instrumentation Engineering	Grant
120	IoT Powered Smart Green House Monitoring Device..	Deepa Priya B S	Computer Science & Engineering	Grant
121	Smart Jewel Box	Karthiga M	Computer Science & Engineering	Grant
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S.N o.	Author(S)	Article Title	Journal Name
1	Girija Vasumathi G. G,Deepa D	Optimized Energy-Aware Cluster Head Selection Mechanism For Enhancing Wireless Sensor Network Lifetime	AKCE International Journal Of Graphs And Combinatorics
2	Karthiga M,Deepa D	Multistart Projected Gradient Descent Optimization With Armijo Backtracking-Based Pre-Chirp Tuning For Papr Reduction In Afdm	Physical Communication
3	Karthiga M,Deepa D	Papr Reduction Scheme In Afdm By Optimal Chirp Selection Using Unimodular Quadratic Program	Physical Communication
4	Kotteeswari C,Sangeethaa Sn,Jothimani S	Advanced Fusion Network For Detecting And Grading Macular Edema In Diabetic Patients	International Journal Of Diabetes In Developing Countries
5	Premalatha K,Wasim Raja A,M. Vignesh,Dr.D.Madeswaran,J anani S,Sivakumar Kandhasamy	Enhanced Feature Selection And Classification Of Breast Cancer Subtypes Using Heuristic Optimization And Ensemble Models On Microarray Data	Tpm-Testing Psychometrics Methodology In Applied Psychology
6	Magesh Kumar B,Premalatha K,Jothimani S	Advanced Asd Detection Through Facial And Fmri Data Integration With Attention Guidance	Research In Autism
7	Kotteeswari,Sangeethaa Sn,Mohanasundari M,Chandrasekaran Gokul	An Explainable Framework For Detection Of Diabetic Macular Edema Using Deep Learning Techniques	Journal Of Mechanics In Medicine And Biology
8	Kannimuthu S,Gunavathi C,Premalatha K,Arunkumar Pm	Optimizing Health Outcomes Through Xai And Digital Twins In Media Interventions	Frontiers In Computer Science
9	V. Vignesh,P Prabu,S Padmavathy,Premalatha K	Deep Learning-Assisted Chaotic Optical Communication With Adaptive Nonlinearity Compensation	International Journal Of Communication Systems
10	P. Rathi Devi,G. Sundararajan,Sivaraman P,R. Anguraja	Power Management Strategies For Smart Grids Incorporating Re: The Poa And Riccnn Approach For Enhanced Efficiency	Iete Journal Of Research
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12	Karthikamani R,Harikumar R	Enhancement Of Liver Cirrhosis Detection From Ultrasonic Images Through Clustering-Based Features And Classifiers	Computer Methods In Biomechanics And Biomedical Engineering-Imaging And Visualization
13	Manjurathi B,Harikumar R	Hybrid Particle Swarm Optimization Approach For The Minimization Of Power Consumption In Digital Integrated Circuit Testing	Iete Journal Of Research
14	Gowri Shankar Manivannan,Karthikeyan S,Harikumar R,Satish V Talawar,Rajanna Siddaiah	A Holistic Strategy Of Modified Superpixel Segmentation And Randomized Adam Hyperparameter Tuning With Deep Learning Approaches For The Classification	International Journal Of Computational Intelligence Systems

		Of Breast Cancer From Break His Images In The Quest For Precision	
15	Shyamalaprasanna A,Poongodi C	Deep Learning Driven Denoising And Channel State Prediction For Reconfigurable Intelligent Surface Enabled Mmwave Massive Mimo	Journal Of Electromagnetic Waves And Applications
16	Poornima R,Sampoornam K P,Allwyn Clarence A,Madhumathi R	Differential Spatial Modulation Detection In Uplink Multiuser Massive Mimo Systems Using Optimized Shuffle Attention Convolutional Neural Network With Mobilenet V1	International Journal Of Communication Systems
17	Vadivel Muthusamy,Ramesh Kumar T	Ceramic Processing Research	Journal Of Current Research Engineering And Science
18	A Thirumalaikumaran,Senthilku mar G,C Sowmya Dhanalakshmi	Experimental Investigation On Thermophysical And Tribological Characteristics Of Conventional And Biolubricating Oil Blended With Nanoparticles	Indian Journal Of Chemical Technology
19	Raja T,Kumaresan G	Numerical Investigation On The Performance Enhancement Of Polymer Electrolyte Membrane Fuel Cell With Different Trap Channels In Bipolar Plate Flow Field	Journal Of Power Sources
20	Anbuchejian Ashokan,Senthil Murugesan,Ravi Kumar M,Sivashankar Arumugam,Perumal Saravanan,Senthilkumar Ramuvel,Mohankumar Pachamuthu,Silambarasan Rajendran	Numerically Analyzing A Heat Transmission In Blood Using A Cardioplegia Concentric Tube Heat Exchanger During Open Cardiac Surgery	Catrina-The International Journal Of Environmental Sciences
21	Kumaresan G,Rajendra Shimpi,Sagai Francis Britto,Perumal K,Benjamin Franklin S	Reinforcement Of Tungsten Carbide Cutting Tool Properties Via Cryogenic Treatment And Process Optimization	Thermal Science
22	Ravi Kumar M,Dinesh Kumar Venkatesan,Vinayak Bhimsen Hemadri,Sivashankar Arumugam	An Experimental Study On The Influence Of Antioxidant Additive On Emission Traits Of Ci Engine Utilizing Flamboyant Biodiesel Blends	Environmental Science And Pollution Research
23	Shettahalli Mantaiah Vinu Kumar,Ravichandran Arumugam Thangavel,Ranganathan Soundararajan,Sasikumar C,Erusagounder Sakthivelmurugan,Chinnasa my Nithiyapathi	Evaluation Of Dynamic Mechanical Properties Of Flax Fiber- Polypropylene (Fp) Composites Using The Adaptive Neuro- Fuzzy Inference System	Materials Research-Ibero- American Journal Of Materials
24	Harikrishnan S,Dhanushkodi,Ravi Kumar M,Sivashankar Arumugam,Silambarasan Rajendran	Analysis Of Heat Transfer In An Indirect Solar Dryer Integrated With Sensible And Latent Heat Storage	Energy Sources, Part A: Recovery, Utilization, And Environmental Effects
25	S.M. Vinu Kumar,A.T. Ravichandran,B. Harshavardhan,Sasikumar	Three Body Abrasive Wear Behaviour Of Talc-Filled Short Glass Fiber Reinforced Nylon66 Polymer Composites	Cellulose Chemistry And Technology

	C,J. P. Rishie,S. Suresh Kumar		
26	Manikandaprabu Nallasivam,Shettahalli Mantaiah Vinu Kumar,Sasikumar C,Rishi Jayaprakash	Investigation Of Machining Behaviour Of Flax Reinforced Epoxy Composites Using The Ann Approach	Cellulose Chemistry And Technology
27	K Gowsic,Kr Shanmugapriyaa,Eswaramoorthy V,S Priyadharshini	Towards Smarter Healthcare: Ai-Enhanced Voice Disorder Detection Leveraging Lstm-Dann	Journal Of Electrical Engineering & Technology
28	Gomathi R,Saranya K,Mahaboob John Y.M,G. Leena Rosalind Mary	Stochastic Poisson-Embedded Privacy Framework For Federated Learning With Secure Homomorphic Encryption In Medical Ai	Scientific Reports
29	Sundara Murthy S	Adaptive Mental Health Ecosystem: Ai-Driven Emotional Intelligence And Predictive Mental Wellness	Biochemical And Cellular Archives
30	Veerapandi Loganathan,Lekhashri V,Balakrishnaraja R	Optimisation Of Microwave-Assisted Extraction Of Phenolic Compounds From Pithecellobium Dulce Fruit Peels: Comparative Process Modelling Using Rsm And Ann With Bioactivity Evaluation	Processes
31	Steffy,Asad Syed,Janani,Vidhya J,A H Bahkali,Abdullah Elgorban,Balakrishnaraja R,L Shing Wong	Establishment Of Tandem Hybrid System By The Deposition Of Ag Nps On Sn-Incorporated Spinel Ferrite For Rapid Catalytic And Peroxymonosulfate Activated Photocatalytic Degradation Of Organic Pollutants In Aqueous Media	Surfaces And Interfaces
32	Jochhana Rani Bhuyan,Nilufa Yeasmin,Kannan K P,B. Krupavaram,Itishree Nayak,Jalari Ramu,G. Venkata Nagaraju	Amelioration Of Orodispersible Ibuprofen Tablets Through Direct Compression For Enhanced Drug Delivery	Asian Journal Of Pharmaceutics
33	Roshan Shareefsahed Nadaf,Arulvel R,Balakrishnaraja R	Assessment Of In Vitro And In Vivo Anti-Inflammatory Activity Of Psidium Guajava Leaf Extract Using Zebrafish As An Animal Model	Biochemical And Cellular Archives
34	Balakrishnaraja R,Ramanan B V,Gnana Asmi	N Silico Modulation Of Diabetes Melitus Through Bioactive Compounds	Biochemical And Cellular Archives
35	Karthickraja R,Dharnesh R,Illakya,Meenatchi Sundaram,Samyuktha S,Tamilselvi S,B S Rajanikanth	An Integrative Multispecies Evaluation And Modeling Of Asymmetric Growth Kinetics Of Cold Plasma Activated Seed Priming	Biochemical And Cellular Archives
36	Pavithra G,Palanisamy C	Malignant Melanoma Detection Using Ensemble Model And Improved Birch Clustering-Based Segmentation	Cancer Investigation
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39	Javad Ahammed,Roshna M,Shameera P E,Bashpa P,Ashokan S,Vijayanand P S,Bijudas K	Aniline -Diphenylamine Copolymers Doped With Hydrochloric Acid: Synthesis, Characterisation , Conductivity And Sensing Applications	Journal Of The Iranian Chemical Society
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37	Maheshkumar K,Laxmi M Satish Kumar Sumit Kumar Aiswarya A Praveena S	Enhancing Sustainable Agriculture With Iot-Based Soil Fertility And Crop Selection Using Hybrid Stacked Ensemble Models And Explainable Ai	International Conference For Emerging Technology (Incet)
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40	Karthiga M, C Suganthi Evangeline	Hybrid Quantum-Classical Phase Optimization In Reflecting Pms Beamforming	International Conference On Smart Technologies, Communication And Robotics
41	Murugan K,	Brain Tumor Segmentation Using Proposed Yolo Algorithm	International Conference On Energy, Power And Environment: Towards Sustainable Growth (Icep
42	Dhanasekar R, Sudhir Kumar V Rajavenkatesan T Thejasree Pasupuleti	Smart Industrial Solid Waste Management System	Zhuzao/Foundry
43	Parthasarathi P,Madhumohana Raju A B Dhanalakshmi A Balaji L S Kaliappan Vinoth Kumar K	Implementation Of Microprocessor Based Automated Assessment Systems Using Iot	International Conference On Data Intelligence And Cognitive Informatics (Icdici)
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46	Ashwathi R, M. Seenirajan S. Yuvaraj A. Dinesh	A Gan-Based Approach For Predicting Human Behavior In Smart Home Environments	International Conference On Computing Methodologies And Communication (Iccmc)
47	Soundarya B,Dhanushya J Ruba M Ponkarthika M Sakthi Priya V Dhanushri S	Performance Analysis Of Fibre Reinforced Concrete With Abinary Blend Of Steel And Polyester Fibres	Procedia Structural Integrity
48	Gunavardini V,Aby K Thomas A. Jeraldine Viji Bhukya Balakrishna	Ai Powered Multipurpose Agrobot For Precision Farming : Crop Health Management, Fertilizer Recommendation And Yield Prediction	International Conference On Recent Advances In Electrical, Electronics, Ubiquitous Communication, And Computational Intelligence)
49	Kodieswari A,K. Vishal Reddy A. Thangam Kohila P Akanksha Ghanasham C. Sarode	2025 4th International Conference On Distributed Computing And Electrical Circuits And Electronics (Icdcece)	Journal Of Intelligent Systems And Internet Of Things
50	Kalaiyarasi M,	Graph Neural Network-Based Optimization Of Iot-Connected Smart Waste Systems In Sustainable Cities	IEEE Access
51	Karuppusamy M,Premkumar M Kiruthika K	Transfer Learning Approached For Alzheimer Disease Detection Of-State-Of-The-Art Cnn	Zhuzao/Foundry
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53	Mythili S,	A New Constrain K-Q Group Operating On Neutrosophic Fuzzy Subgroup And Normal Subgroup	Neutrosophic Sets And Systems
54	Mythili S, Ramya R Anju R Krishnan	Eco-Friendly Synthesis Of Flower-Like Hierarchical Structure Of CuO Nps For Advancing Photocatalytic Efficiency And Antibacterial Applications	Journal Of Metals, Materials And Minerals
55	Tamilselvan S, Saravana Kumar R Anitha E Agnes R	Performance Analysis Of Forecasting Residential Property Prices Through Ensemble Regression Approaches	Lecture Notes In Networks And Systems
56	Harikumar R, Ajin R Nair	Optimacy Of Secured Data Transmission In Medical Application Based On A Steganographic Key Algorithm	Lecture Notes In Networks And Systems
57	Harikumar R, Karthikamani R	Moodplus - Personalized Mental Health Recommendation Software Solution	International Conference On Smart Technologies, Communication And Robotics
58	Dinesh D, Surya G Mohammed I. Habelalmateen, P.C.D.Kalaivaani Chintala Venkatesh Anurag Shrivastava	Hybrid Frft Hs Framework For High Accuracy Lung Cancer Classification From Gene Expression Data	International Conference On Smart Technologies, Communication And Robotics
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60	Elango S, Gavaskar K	Artificial Intelligent Based Self Driving Cars For The Senior Citizens	Indian Journal Of Engineering Science And Technology
61	Harikumar R, Karthikamani R Sathish Kumar R	Residue Number System Enveloped Configurable Hardware Mutual Authentication Protocol	International Conference On Smart Technologies, Communication And Robotics
62	Harikumar R, Dinesh C	Advanced Verification Strategy For Ahb-To-Apb Bridge With Protocol-Aware Test Bench	International Conference On Smart Technologies, Communication And Robotics
63	Harikumar R, Dinesh C	Performance Analysis Of Classifiers For Liver Cirrhosis Detection Using Fast Hadamard-Eho Transform Features	International Conference On Smart Technologies, Communication And Robotics
64	Elango S,	Machine Learning-Driven Early Detection And Monitoring Of Respiratory Disorder Using Pco2 Analysis	International Conference On Smart Technologies, Communication And Robotics
65	Ramakrishnan A, Naveenkumar M Srinivasan K Venkatesan M Prakash V Nandhakumar S	Enhancing Machine Learning Classifiers For Prostate Cancer Detection Through Feature Selection	International Conference On Smart Technologies, Communication And Robotics
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69	Sampoornam K P, R. Kalaivani	Performance Analysis Of Near Field XI-Mimo System Using Swamp Channel Estimation For Uniform Linear Array Antennas	International Conference On Smart Technologies, Communication And Robotics
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72	Karthikeyan S	Hierarchical Deep Learning Framework With Cbam And Tbam Techniques For Feature Fusion In Colon Cancer Classification From Histopathological Images	International Conference On Smart Technologies, Communication And Robotics
73	Poongodi C, Muthumanickam Dhanaraju Kumaraperumal Ramalingam Nivas Raj Moorthi	Psychological Stress Prediction And Prevention In Higher Education Teachers Using A Bi-Lstm Based Multilayer Framework	IEEE Access
74	Kalaiyarasi M, Saravanan R	Resnet Based Deep Feature Extraction For Classifier Performance Enhancement In Histopathological Breast Cancer Detection	International Conference On Smart Systems For Applications In Electrical Sciences
75	Karthika M	Vertical Spatial Prediction Of Soil Salinity And Management Zoning Using For Perambalur District Of Tamil Nadu, India	International Conference On Smart Technologies, Communication And Robotics
76	Gayathiri B, Sasikumar Gurumoorthy Meghana A Yogesh Ramaswamy	Performance Assessment Of Machine Learning Classifiers For Detecting Heart Rate Variations From Ppg Signals	International Conference On Smart Technologies, Communication And Robotics
77	Yuvalatha S, R. Tamizh Kuzhali S. Savitha S. K Muthusundar Antonidoss A	A Novel Mappings In Supra Topological Sapce With Neutrosophic Environment	Neutrosophic Sets And Systems
78	Prabhavathi K, Dr. T. Vengatesh, Sudha. R Dr. P. Gangavathi Ms. D. Sunantha P. Boomi Dr. S. S. Ananthan G. B. Hima Bindu	Privacy Preserving Analytics In Iot Systems Using Federated Learning With Homomorphic Encryption And Differential Privacy	International Conference On Distributed Computing And Electrical-Electronic Circuits
79	Nithyapriya S, S. Prabhavathy T. Arun S. K Muthusundar Antonidoss A	Capsule-Infused Vision Transformer: A Hybrid Deep Learning For Hierarchical Feature Learning	International Conference On Smart Technologies For Sustainable Development Goals

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85	Preethimathi L,Abhilash S Nath Senthil Pandi S	Real Time Control Of A Three Tank Conical System In Non Square Mimo System Configuration	International Conference On Smart Technologies, Communication And Robotics
86	Sakthiya Ram S, P Deepa M Kalimuthu C Kumar	Enhancing Mechanical Properties Of Petg-Cnt Nanocomposites Fabricated Via Fused Filament Fabrication	Malaysian Journal Of Chemistry
87	Sasikala D	A Multi-Protocol Iot-Enabled Touch Control Switch For Energy- Efficient Smart Home Automation	Second International Conference On Cognitive Robotics And Intelligent Systems
88	Yuvalatha S, Arun. G Amdewar Godavari Sampurnima Pattem Ranjith Kumar Marrikukkala Nagendar Yamsani	Ssim: An Automated Solution For Signature Verification In Digital Systems	International Conference On Knowledge Engineering And Communication Systems
89	Nivetha G,D Shylu Sam K. Paramasivam Jaspar Vinitha Sundari T	Hybrid Method Of Assessing The Development Of Alzheimer's Syndrome Through Cnn/Lstm And Pso	International Conference On Smart Technologies, Communication And Robotics
90	Subramaniyan C, Rajkumar Kamaraj Asit Mohanthy Ramesh, R	A Deep Learning Application To Detect And Diagnose Metabolic Encephalopathy	International Conference On Smart Technologies, Communication And Robotics
91	Vinodhini R T, Charumathi Pushparaj Sabariswaran Kandasamy Selvakesavan Rajendran K Ramesh Subramani	Low Power Cmos Folded Electro Cascode Amplifier Design For Electrocardiogram Applications	International Conference On Smart Technologies, Communication And Robotics
92	Prabakaran P	Voice Bot For Visually Impaired Persons Using Nlp	International Conference On Smart Technologies, Communication And Robotics
93	Caroline Vinnethia S, Dr P Thangavel	High-Performance And Power- Efficient Fpga Accelerator For Adder-Based Neural Networks	International Conference On Smart Technologies, Communication And Robotics

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95	Rajeshkumar G,Dr. Kumaresan T Dr.T.Suresh Kumar Ms.Kotteeswari C	Design And Comparison Of Hybrid Optimization Controllers For Artificial Respiration System	International Conference On Smart Technologies, Communication And Robotics
96	Dhinesh S K,P. Kavitha Thandapani N. Ashok Kumar A. Arulmary	Performance Analysis Of Sign Language Recognition Using Deep Neural Network Architecture	IEEE Access
97	Prabakaran P	Deep Ensemble 3d Cnn Framework For Lung Cancer Detection Using Ct-Images	IEEE International Conference On Intelligent Computing And Knowledge Extraction (Icicke - 2025)
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100	Premalatha K,Rupashini P R	Betacyanin-Curcumin Smart Films For Detecting Fresh Chicken Quality In Real Time	Sustainable Food Technology
101	Nagarajan P,T. Kavitha A. Arulmary	Primary Tumor And Lung Cancer Prediction On Dual Energy Ct Images For Nodal Metastasis Using Deep Learning Technique	International Conference On Smart Technologies, Communication And Robotics
102	Dhanasekar R, Vijayachitra S Rajavenkatesan T Roobini K	An Experimental Analysis Of Brain Tumor Detection Using Contemporize Cnn Models	International Conference On Smart Technologies, Communication And Robotics
103	Rajesh Kanna P,S.Jagan P.Pandiaraja K.Karthik N.Deepa K.Muthumanickam	On Symbolic 2-Plithogenic Hyperbolic Functions	Neutrosophic Sets And Systems
104	Vinoth Kumar J,Venkatesan M A. Karthikeyan S. Muthuvel D. Vasudevan A. Sankar	Emg Signal Analysis Using Improved Wigner - Ville Distribution Model And Long Short - Term Memory For Amyotrophic Lateral Sclerosis Prediction	International Conference On Smart Technologies, Communication And Robotics
105	Baranidharan V, Karthikeyan S	Comprehensive Spectroscopic And Chromatographic Analysis Of Waste Fish Oil Biodiesel Using Nmr, Gc-MS, And Ftir Techniques For Sustainable Alternative Fuel Production	Malaysian Journal Of Chemistry
106	Baranidharan V	Optimized Credit Card Fraud Detection Using Conditional Gan	Second International Conference On Cognitive Robotics And Intelligent Systems (Icc - Robins)

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108	Sathish V,D. Princess Jeba S. Gurusamy	Some Remarks On Invertible Refined Neutrosophic Square Matrices	Neutrosophic Sets And Systems
109	Sannasi Chakravarthy S R,	Optimization Of Food Supply Chain And Forecasting Unsustainable Waste Disposal Using Machine Learning	Deutsche Lebensmittel-Rundschau
110	Karthika S,Vybhavi B Amit Chaudhary Vadivel R	Optimization Of Machining Operation Sequence Problem Using An Integrated Genetic And Simulated Annealing Algorithm	Epj Web Of Conferences
111	Vasudevan M,Sivalingam Sharmila Senthilkumar Dineshkumar Narayanan Natarajan K. Sindhuja	Efficient And Lightweight Deep Learning Framework For Aspect-Based Sentiment Analysis	International Conference On Next Generation Computing Systems (Icngcs)
112	Mariaamutha R, Monisha S Kannaki P Vinayagam	Automatic Anti Collision System For Intelligent Transportation System	Atlantis
113	Kumaresan G,Sureshkumar P Gururaj C Ashok Kumar M Thanga Kasi Rajan S	Design And Implementation Of Qft Based Robust Automatic Gain Scheduling Pid Controller For Csth Process	International Conference On Augmented Reality, Intelligent Systems, And Industrial Automation
114	Kannan K P,M. Vignesh S. Bhuvaneshwari N. K. Udaya Prakash	Categorization Of Hyper Spectral Images Covering Lands : Feature Extraction Using Decision Boundary With Convolutional Neural Network	International Conference On Computational Robotics, Testing And Engineering Evaluation
115	Ramya R,Uma Shankari Srinivasan R.B. Dravidapriya Y.M. Mahaboob John R. Renuga Dev	A New Hybrid Algorithm For Solving N Jobs And M Machines Scheduling Problems With Improved Local Search Techniques	Epj Web Of Conferences
116	Kumaresan G, Rajendra Shimpi Sagai Francis Britto Perumal K Benjamin Franklin S	A Smart Blockchain Based Privacy Preserving Machine Learning Scheme In Iot Health Care	Baghdad Science Journal
117	Muthukumar P,M. Gokula Krishnan A. Sethumadavan K. Ganesan A. John Jeevagan T. Adinaveen M. Amalraj	Cutting-Edge Techniques In Underwater Imageenhancement And Restoration	International Conference On Next-Generation Communication And Computing (Ngccom - 2024)
118	Raghunath M,Somasundaram, B Vigneshkumar, M.	Innovative State-Of-The-Art Reinforcement Learning Methods For Obstacle Management In Underwater Vehicles	International Conference On Next-Generation Communication And Computing (Ngccom - 2024)
119	Anandha Moorthy A,V. P. Suresh Kumar M. Amarnath V. M. Madhavan L. Girisha P. Vijayakumar R. Girimurugan	Exploring Tuning Techniques And Controller Design For Autonomous Underwater Vehicles	International Conference On Next-Generation Communication And Computing (Ngccom - 2024)
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121	Saranya N,P. Ramesh Shantha Shalini K S. Leela Balasundara Ganapathy N	Hybrid Deep Learning Framework For Emotion Classification Of Bci Data Using Autoencoder-Based Feature Extraction And Stacked Ensemble Learning	International Conference On Smart Technologies, Communication And Robotics
122	Nikitha M,Suvendu Kumar Jena Piyush Kumar Pareek S. Kaliappan	Sentiment Analysis And Opinion Mining Using Decoding Enhanced Bert With Disentangled Attention And Light Gradient Boosting Machine	International Conference On Data Science And Information System
123	Saraswathi C,Dr. Karthikayani Dr. A. R. Nithya Dr. Chaitali Bhattacharya Prasanna S. S. M. Nandhini	Assessment Of Eggshell Waste As A Sustainable Calcium Source For Biocementation-Based Soil Stabilization	Journal Of Solid Waste Technology And Management
124	Chelladurai V, Sadhan Kumar Ghosh	Data Driven Deep Learning Model For Effective Stroke Prediction	Global Conference In Emerging Technology
125	Deepa D,Jamuna Deepakraj P. Thangavel	Formation Of Deformation Twin And Sub Grain For Strengthening Of Cp-Ti Through Rcsr With Multiple Number Of Passes	Malaysian Journal Of Chemistry
126	Deepa D, P. Thangavel K. Shoukath Ali	Enhancing Software Debugging Processes Through Machine Learning-Driven Automated Bug Detection	International Conference On Smart Technologies For Sustainable Development Goals (Icstdsg)
127	Deepa D, Thangavel	Optimization Of Lipase Synthesis By Pseudomonas Aeruginosa Strain Av311222	International Journal Of Environmental Sciences(Ind)
128	Saranya D, Jeevadoss S Vidhya D	Fuzzy Multi-Criteria Decision Analysis Model For Cost-Risk Tradeoff In Healthcare Automation Investments	IEEE International Conference On Intelligent Computing And Knowledge Extraction (Icicke - 2025)
129	Gomathi R,Prasanna Simhadati C Hrishikesava Reddy Supriya Telsang K Jayaram Kumar A Barkathulla V Bhoopathy	Reinforcement Of Tungsten Carbide Cutting Tool Properties Via Cryogenic Treatment And Process Optimization	Malaysian Journal Of Chemistry
130	Naveena S,Anuradha Parasara B Indira Priyadarshini S Soorya Anil Kumar Lamba M Nirmala Devi	Glucose-Mediated Synthesis Of Copper Nanowires For The Selective And Sensitive Electrochemical Determination Of Paracetamol	Malaysian Journal Of Chemistry
131	Praveena R,Naik Monali Satish Madhu B K Manisha B. Kamble Praveena R Ramesh Ramkrishna Pagore Prem Shankar Gupta V. K. Gupta Raj K. Keservani	A Novel Plasma Spray NiCr/Al ₂ O ₃ And Cr ₂ C/ Al ₂ O ₃ Coating Design For Hot Corrosion Prevention And To Enhance The Efficiency In Boiler Tubes	Malaysian Journal Of Chemistry
132	Kalaiyarasi M, Saravanan R Karthikamani R	Investigation On The Mechanical And Thermal Properties Of Coconut Shell Powder And Hdpe Composites	Aip Conference Proceedings

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134	Anandakumar K,Amit Jain Neelima Priyanka Nutulapati Sandeep Bharti Gopu A P	Quantum Cryptography In Secure Iot Communications	2025 International Conference On Frontier Technologies And Solutions (Icfts)
135	Suresh R,A. Thirumurthi Raja Sudhakar K R. Ramya	Comprehensive Analysis On Feature Selection And Dimensionality Reduction In Big Data	International Conference On Distributed Computing And Electrical Circuits And Electronics
136	Subhapriya P,Ramalakshmi Kulathooran Dhanapal Venkatachalam Divyashree Jangam Seshagiri Katyaini Panday Jagan Mohan Rao Lingamallu	Predicting-Faculty-Emotions-And-Job-Satisfaction-From-Facial-Expressions-In-Higher-Education-Using-Cnn-Svm-Models	Global Conference In Emerging Technology
137	Deeptha V,Anjali Gupta Praveen Kumar Arora Shelke Sujit Kisan Shubhankar Saha Muggu Murali Krishna Prem Shankar Gupta	Addressing Solid Waste Management In Agriculture And Food Processing Through Ai, Imaging, And Advanced Technologies	Journal Of Solid Waste Technology And Management
138	SOUNDARIYA R S,Sahana Lokesh R K. Sailajakumar Kavitha K S S. Reshma	Ai-Driven Smart Caching For Optimized Web Performance And Reduced Latency	International Conference On Smart Technologies, Communication And Robotics
139	Sweety Prasanna Kiruba G,D. Shekar Goud N. Gowri Vidhya Mohanraj. M Rajalakshmi S M. Venkatasudhahar	Inferred Lattice Recursive Least Squares Filter With Dct-Hadamard Pre-Processing Technique For Speech Enhancement In Digital Hearing Aid	International Conference On Smart Technologies, Communication And Robotics
140	Sweety Prasanna Kiruba G,Sumithra M Srinivasan J M. Aishwarya S. Sathya K. Geetha	Enhancing Single-Channel Speech Processing With Advanced Noise-Reduction Techniques	International Conference On Smart Technologies, Communication And Robotics
141	Sritha P,Surendar V	Multidecomposition Of Hypercube Graphs Into Paths, Cycles And Stars	Journal Of Combinatorial Mathematics And Combinatorial Computing
142	NITHYAPRIYA S,Kumbham Bhargavi Sumana K M Usha K Patil Venkateseshaiah Banka J Kavitha	Blockchain-Enabled Collaborative Threat Intelligence In Iot Security Using A Hybrid Neural Network Model	International Research Journal Of Multidisciplinary Scope
143	Eswaramoorthy V,T. Kumaresan V. Kavitha	Analysing Social Media Addiction And Deceptive Psychological Behaviour Among Students Using A Hybrid Deep Ensemble Framework	Global Conference In Emerging Technology (Ginotech)
144	Soundariya R S, Nivaashini M Tharsanee R M Dinesh A	Anti-Diabetic Effects Of Celosia Argentea Root In Diabetic Rats Induced By Streptozotocin	International Journal Of Environmental Sciences(Ind)
145	Chandraprabha K,Vijayasabariswari	Performance Evaluation Of Classification Models For Respiratory Disease Detection	International Conference On Smart Technologies, Communication And Robotics

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146	Chitradevi T N, Dr S. Poongothai Kumari Manswini Padhy Sharada K A Aarush Sai	A Hybrid Knowledge Graph-Deep Learning Model For Predictive Analytics In Healthcare Worker Stress Management With Cloud Environments	3rd International Conference On Self Sustainable Artificial Intelligence Systems (Icssas- 2025)
147	Nisha Devi K,J. Yamuna Bee S. Vanithamani S. Shanmugapriya G. Nallasivan D. David Neels Ponkumar	Integrating Blockchain And Explainable Neural Networks For Secure Healthcare Data Systems	International Conference On Data Science And Information System
148	Alex Stanley Raja T, Sivasakthi V.Samuthira Pandi V.Vasudhevan S.Saravanan	Decision Support Model For Healthcare Applications Using Bidirectional Long Short-Term Memory With Fuzzy Inference System	International Conference On Data Science And Information System
149	Kalaiselvan S,	Ionic Liquid Based Microwave Assisted Extraction Of Chlorogenic Acids From Green Coffee Beans	Sustainable Food Technology
150	Pravin Savaridass M,	Design Synthesis Characterization Of Some Novel Chromane Based Analogues And Its Antimicrobial Evaluation	International Journal Of Environmental Sciences(Ind)
151	Vanitha K,Parashuram A Kutakanakeri K. Rama Narasimha Roopa D Vijay Kumar S Praveen Kumar M V C.Durga Prasad Nagabhushana Pulla	Advanced Sound-Based Pest Detection In Agriculture Using Deep Learning And Adaptive Optimization	International Journal Of Information Technology (Singapore)
152	Kannan K P,S. Priyanka R. Sanjeev Kumar Vardhana Janakiraman S. Bhuvaneshwari Udaya Prakash	Ai In Real-Time Video Surveillance Systems	Global Conference In Emerging Technology
153	Chandrasekaran M,Saravanakumar, S Satheesh Kumar, S Sivakumar Paramasivam4 Mohammed Musthaq, M. S	Large Language Model Ai Text Generation Detection Based On Transformer Deep Fast Quantum Convolutional Neural Networks	International Conference On Inventive Research In Computing Applications
154	Vinothini V R,Joseph Raj P Ramjan Begam A Marimuthu C N Saranraj N Sakthisudhan K	Enhanced Grid Stability Of Bi- Directional Converter In Grid To Vehicle System	International Conference On Smart And Sustainable Developments In Electrical Engineering
155	Chandrasekaran M,Saravanakumar, S Satheesh Kumar, S Dadapeer, Doddamani Mohammed Musthaq, M. S	A Hybrid Quantum Deep Learning Framework For Rice Yield Prediction Using Optical Remote Sensing Data	International Conference On Computing Technologies (Icoct)
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157	Rameshkumar A,S. Musthafa Kani M. Anwar Sathiq H. Mohamed Kasim Sheit S.S. Syed Abuthahir K.S. Mohan K. Vijaya	Enhancing Concrete Properties Through Supplementary Cementitious Materials And Predictive Modeling	Procedia Structural Integrity
158	Mariaamutha R,Mohamed Faizal A A Anish John Paul M Sekar R M Thirupathi Allam Karthikeyan D	Enhancing Lung Cancer Detection: A Deep Learning Approach With Hybrid-Net Architecture On The Luna16 Dataset	Tpm - Testing, Psychometrics, Methodology In Applied Psychology
159	Prabhavathi K,Dr. T. Vengatesh, Mihirkumar B. Suthar Dr. K. Krishneswari Dr.Al. Nachammai Brindha G V. Muthu M. Riyaz Ahamed	Enhanced Hybrid Booststack Framework For Accurate And Early Prediction Of Brain Stroke Risk	Global Conference In Emerging Technology (Ginotech)
160	Ramasami S, Vidhya R Munirathinam T Mallika P Vaduganathan D	Application Of Machine Learning To Optical Network Traffic-Driven Provisioning Services	IEEE Access
161	Vasudevan M,Balaganesh Pandiyan Lokeshwaran Karthikeyan Gowthamkumar Sekar Murugesan Appachi	Energy-Efficient Machine Learning Techniques: Advancing Edge Computing Capabilities For Sustainable Iot Network Operations	International Conference On Sustainability And Technological Advancements In Engineering Domain (Sustained)
162	Chinnadurrai Cl,C Karuppanasamy I Raja Rajeswari S Ravindran S Udayakumar	The Integration Of Symbolic 2- Plithogenic And Symbolic 3- Plithogenic Rational Functions	International Journal Of Neutrosophic Science
163	Priyadharshni S,Dr. Jagan. A Monisha. K Dr. Velmurugan V Professor Dr.B.Jegajothi	Information Extraction From Visiting Cards Using Ocr And Classifying Them Using Regex And Ner Techniques	International Conference On Micro-Electronics And Telecommunication Engineering
164	Premkumar C, P. Kanaga Priya N. Selvakumar P. Thilakaveni N. Rathina Kumar N. Kanimozhi	Regression Analysis To Predict The Performance Of Acetone And Swcnt Nano Fluids In Oscillating Heat Pipe	International Journal Of Thermofluids
165	Sathishkannan R,Dheeraj Hebri Pavithra M S Sreelekha P Vidhya P Praveen Kumar. D	Facile Synthesis Of Cnps From Mesosphaerum Sauveolens And Its Antimicrobial, Antioxidant And Anticancer Property	International Journal Of Environmental Sciences(Ind)
166	Dhivya P,V.G. Karthiga P. Ananthi P. Showmiya S. Vinotha	Interfacial Bonding And Chemical Stability Of Hybrid Ceramicreinforced Aa6061 Surface Composites Prepared By Friction Stir Processing	Malaysian Journal Of Chemistry
167	Sathyamoorthy J, Kanimozhi T Ananthi P Latha Jothi V	Comparative Study Of Mri Coils Design For Mri Imaging System	Journal Of Physics Conference Series
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313	Thanga Parvathi B,Krishnakumar B K. Nithya M. Pyingkodi Kunchanapalli Rama Krishna Jeevitha R	Climate Modelling 2.0: Simulating Future Scenarios With Quantum Computing And Hpc Power	International Conference On IoT In Social, Mobile, Analytics And Cloud
314	Premalatha K,	Low Complexity Cnn Model For Acoustic Scene Classification In Hearing Aid Applications	International Conference On Mobile Networks And Wireless Communications
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319	Ramkumar R,Suman M Shobha N Sridevi Muruhan Vinothkumar S R J Poovaraghan	Ai-Enabled Road Damage Detection For Accident Prevention	International Conference On Electronics And Renewable Systems
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352	Rohini P,	Eco-Efficient Nettle Stem Fiber-Reinforced Polymer Composites Enhanced With Nano-Al ₂ O ₃ : Mechanical Performance, Water Absorption, And Ann-Piv Optimization	Interactions
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	Andal Dr. B. Rajalingam Mrs. L. Vanitha Mrs. M. Revathi	Regression And Ensemble Models	
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397	Nithin P,J. Kavitha S. Ezra Vethamani V. S. Harilakshmi L. Sharmila M. Mukesh Krishnan	Effective Task Scheduling Based On Candidate Optimization Algorithm (Coa) In Heterogeneous Noc-Based Mpsoc	International Conference On Smart Technologies, Communication And Robotics
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399	Ezhil R,S. Anitha Kavitha Nivetha R Shachi Mall Suma Christal Mary Sundararajan	Enhancement Of Power Quality Through Fopid Controllers For Standalone Microgrid Supplied By Pv-Battery System	International Conference On Computing Technologies, Communications And Networking

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403	Kiruthika V R, Jeevitha D Shalini D	Integrating E-Commerce Solutions Into Hrm & People Management: Enhancing Employee Engagement And Operational Efficiency Through Digital Platforms	Sn Business & Economics
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406	Kalaiselvan S, P. Arulpandy M. Sundar G. Govindharaj P. Sugapriya	Influence Of Zirconia Nanofillers On Physical And Mechanical Characteristics Of Palmyra Palm Fruit And Jackfruit Peel Fiber-Reinforced Polymer Composites	Epj Web Of Conferences
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408	Yuvalatha S, S Maheswari Malle Sandeep M Rajesh Nagendar Yamsani Suresh Kumar Kanaparthi	Precision Ai Solutions For Automating Fruit Harvesting And Ripeness Detection In Orchard	International Conference On Smart Futuristic Technology
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Student - Patent

S.No.	Patent Title	Name of the Student	Department	Patent Status
1	Face Recognition And Identification System On Nvidia Jetson Xavier Nx	Sriharish T	Computer Science & Engineering	Filed
2	Docile Shock Control For Supercritical Airfoil	Anupama P A	Aeronautical Engineering	Filed
3	Deep Learning Based Sequential Layered Framework For Histopathological Leukemia Detection: A Hierarchical Approach	Gokul S	Electronics And Communication Engineering	Filed
4	Personalized Healthcare Insights: Ai-Driven Predictive Analysis And Intervention	Gokul G	Electronics And Communication Engineering	Filed
5	Serraflo In Trailing Edge Of Wing	Joel Philip M	Aeronautical Engineering	Filed
6	Predictive And Prescriptive Analysis Of Deceptive Patterns	Dhanushkumar D	Information Technology	Filed
7	Student Academic Classes Attendance Tracking Portal	Aashvin S	Computer Science And Business Systems	Filed
8	Six Axis Robot Simulation	Udhayaa V D	Information Technology	Filed
9	Riding Jacket With Indications And Cooling System By Bluetooth	Pranav Senthooan S G	Electronics And Communication Engineering	Filed
10	African Prints On Indian Emblishments-Lehenga	Kavin Kumar C	Textile Technology	Filed
11	Non Isolated Multiport Dc-Dc Converter	Divyashree R	Electrical And Electronics Engineering	Filed
12	Hostel Management And Student Accomodation Management System	Saran S	Computer Science & Engineering	Filed
13	Real-Time Milk Quality Detection System Using Portable Biosensors	Kiruthika S	Electronics And Communication Engineering	Filed
14	Honeypot Server	Ragul V R	Computer Science & Engineering	Filed

15	Early Detection Of Alzheimer's Disease Through Ai-Powered Analysis Of Neuroimaging And Cognitive Data	Meenakshi S	Electronics And Communication Engineering	Filed
16	Etta - Enhanced Text And Technology Assistant	Athisundararaj S	Artificial Intelligence and Data Science	Filed
17	Iiot Based Smart Hydraulic Work Bench System Using Plc And Hmi	Solomon A S Meashake	Electronics and Instrumentation Engineering	Filed
18	Design And Analysis Of Air Intake Manifold Of An Fsaе Vehicle	Ajay Raaj R S	Automobile Engineering	Filed
19	Design And Implementation Of A Non-Invasive Blood Typing Device	Dhanasheelan D	Biomedical Engineering	Filed
20	Smart Burglar Alarm System.	Srinith K	Electronics and Communication Engineering	Filed
21	Design And Analysis Of Improving Aerodynamics In A Fsaе Vehicle	Mohamed Ibrahim M	Mechanical Engineering	Filed
22	Design, Analysis And Validation Of Muffler For Tractor Vehicle To Obtain Optimal Level Of Back-Pressure And Cost Effectiveness	Moorthy S	Mechanical Engineering	Filed
23	Wavelet Transform-Based Feature Extraction For The Detection Of Myopathy In Surface Emg Signals	Chandra K	Biomedical Engineering	Filed
24	Ethernode Smart Hub	Jeyabalan K	Electronics And Instrumentation Engineering	Filed
25	Iot Enabled Touch Control Switch	Jeyabalan K	Electronics And Instrumentation Engineering	Filed
26	Ecommerce And Inventory Modules	Dhyaanesh S	Computer Science & Engineering	Filed
27	Deep Convolutional Machine Learning Model For Diabetes Diagnosis In Humans Using Tongue Images	Maveenkumar S	Electronics And Communication Engineering	Filed
28	Placement Training Details Management Portal	Mohinth R	Computer Science & Engineering	Filed
29	Fantasy Fashion : Illustrating Costume Designs For Movies And Theater	Siranjivi C	Fashion Technology	Filed
30	Efficient Net X Based Deep Sequential Framework For Skin Cancer Detection From Microscopic Images - A Bottom-Up Approach	Mohankumar S	Electronics And Communication Engineering	Filed
31	Real-Time Event Notification System	Manojkumar K	Information Technology	Filed

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33	Deep Learning For The Automated Detection And Monitoring Of Motor Neuron Disorders From Emg Signals	Vishalini P	Electronics And Communication Engineering	Filed
34	Student Database Management System	Nandhini T	Information Science And Engineering	Filed
35	Detection And Segmentation Of Adrenal Tumor Using Deep Learning Techniques	Deepana D	Electronics And Communication Engineering	Filed
36	Formulation Of Green Soap Using Andrographis Paniculata And Aerva Lanata For Antifungal Action	Sangita R M	Biotechnology	Filed
37	Course Recommendation Engine Based On Students Performace And Interest	Haarish D S	Mechanical Engineering	Filed
38	Design And Analysis Of Improving Aerodynamics In A Fsa Vehicle	Mohamed Ibrahim M	Mechanical Engineering	Filed
39	Design, Analysis And Validation Of Muffler For Tractor Vehicle To Obtain Optimal Level Of Back-Pressure And Cost Effectiveness	Moorthy S	Mechanical Engineering	Filed
40	Wavelet Transform-Based Feature Extraction For The Detection Of Myopathy In Surface Emg Signals	Chandra K	Biomedical Engineering	Filed
41	Ethernode Smart Hub	Jeyabalan K	Electronics And Instrumentation Engineering	Filed
42	IoT Enabled Touch Control Switch	Jeyabalan K	Electronics And Instrumentation Engineering	Filed
43	Ecommerce And Inventory Modules	Dhyaanesh S	Computer Science & Engineering	Filed
44	Deep Convolutional Machine Learning Model For Diabetes Diagnosis In Humans Using Tongue Images	Maveenkumar S	Electronics And Communication Engineering	Filed
45	Placement Training Details Management Portal	Mohinth R	Computer Science & Engineering	Filed
46	Fantasy Fashion : Illustrating Costume Designs For Movies And Theater	Siranjivi C	Fashion Technology	Filed
47	Efficient Net X Based Deep Sequential Framework For Skin Cancer Detection From Microscopic Images - A Bottom-Up Approach	Mohankumar S	Electronics And Communication Engineering	Filed
48	Real-Time Event Notification System	Manojkumar K	Information Technology	Filed

49	Nanoadsorption Based Matrix Of Water Purification Thereof	Trisha V	Biotechnology	Filed
50	Deep Learning For The Automated Detection And Monitoring Of Motor Neuron Disorders From Emg Signals	Vishalini P	Electronics And Communication Engineering	Filed
51	Student Database Management System	Nandhini T	Information Science And Engineering	Filed
52	Detection And Segmentation Of Adrenal Tumor Using Deep Learning Techniques	Deepana D	Electronics And Communication Engineering	Filed
53	Formulation Of Green Soap Using Andrographis Paniculata And Aerva Lanata For Antifungal Action	Sangita R M	Biotechnology	Filed
54	Course Recommendation Engine Based On Students Performace And Interest	Haarish D S	Mechanical Engineering	Filed
55	Formulation Of Green Soap Using Andrographis Paniculata And Aerva Lanata For Antifungal Action	Adhvika S	Biotechnology	Filed
56	Sustainable Fashion: Designing Eco-Friendly Fabrics From Recycled Materials	Gowtham R	Textile Technology	Filed
57	Video Analysis Using Nvidia Deepstream With Parallel Processing	Tarunbalaji S	Artificial Intelligence And Data Science	Filed
58	Hierarchical Deep Learning Framework For Colon Cancer Detection Using Efficientnet, Cbam,And Transformer-Based Attention Mechanisms	Karuppusamy V	Electronics And Communication Engineering	Filed

Consultancy

S.No.	Faculty Name	Department	Name of the Industry / Organization	Type of Consultancy	Amount (in Rs.)
1	Dr Dinesh D	Mechanical Engineering	Total 104 Agenesis	FESEM Lab Sample Testing	21,78,027
2	Dr Preetha V	Civil Engineering	Others	Cube Testing	16,874
3	Dr Preetha V	Civil Engineering	Others	Soil Test	28,084
4	Dr Gnanasundar V M	Civil Engineering	Sowntharya Flyash Bricks PVT LTD	Fly ash Brick Testing	1,770
5	Dr Sanjoy Deb	Electronics and Communication Engineering	Deputy Conservator of Forests	Elephant Warning Light System	96,330
6	Dr Senthil Kumar N V	School of Management Studies	Lakshmi Ring Travellers (Coimbatore) Private Limited	MDP on Data Analytics Using Excel	11,800
7	Dr Thirumurugan V	Fashion Technology	Mrs. J Vidya , Research Scholar, Avinashilingam University	Plasma Treatment	4,248
8	Dr Pradeep A D	Mechanical Engineering	Jeevarathinam A	Vicker's Hardness Material Testing	4,130
9	Dr Gnanasundar V M	Civil Engineering	Others	Sand Testing	1,534
10	Dr Karthiga Shenbagam N	Civil Engineering	Pixous Technologies PVT LTD	Material Testing	33,984
11	Dr Gnanasundar V M	Civil Engineering	Government	Material Testing	9,086
12	Dr Subhapiya P	Chemistry	Ascent Chemicals	Synthesis Process of Super Absorbent Polymers	1,500
13	Dr Balakrishnaraja R	Biotechnology	Ascent Chemicals	Microbial Parameter Analysis and	4,114

				ODOR Removal Process	
14	Dr Purusothaman P	Information Technology	Codissia	People Counting in Agri Intex	1,00,000
15	Dr Ranjitham M	Civil Engineering	Dr. Chinnasamy	Cube Testing	708
16	Dr Senthil Kumar N	School of Management Studies	Emerald Jewel Industry India Limited, Coimbatore	Data Analytics	28,084
17	Dr Nandhini B	School of Management Studies	Emerald Jewel Industry India Pvt. Ltd	MDP on Data Analytics	23,800
18	Dr Daniel Raj A	Electronics and Communication Engineering	Freelancer	Environmental Data Capture And Image Storage System	26,255
19	Dr Loganayagan S	Civil Engineering	Gudalur High Tech Builders Pvt Ltd	Pavement Quality Test - Fdd, Mdd	57,820
20	Dr Perarasi T	Electronics and Communication Engineering	Gracewell Technologies	Connectivity Solutions Among Users	5,000
21	Dr Poongodi C	Electronics and Communication Engineering	Gracewell Technologies	Seamless Service Integration: A Comprehensive Solution	5,000
22	Dr Gnanasundar V M	Civil Engineering	Municipality	Inspection Report Stability Test	48,144
23	Dr Karthiga Shenbagam N	Civil Engineering	Raju & CO	Bridge Safe Deflection Test	1,65,000
24	Dr Preetha V	Civil Engineering	Srisairam Constructions Gobi	Soil Testing At Keeranatham Village	26,550
25	Dr Karthiga Shenbagam N	Civil Engineering	Sri Muniappan Copnstructions	Material Testing	10,000
26	Dr Karthiga Shenbagam N	Civil Engineering	Sri Muniappan Copnstructions	Material Testing	48,090

27	Dr Rajiev R	Mechatronics Engineering	Summits Hygronics Pvt Ltd	Fesem Lab Testing	35,400
28	Dr Vishnu Sajan	School of Management Studies	Srk Polymers Pvt Ltd	MDP On Data Analytics	26,432
29	Dr Gnanasundar V M	Civil Engineering	Ramesh N	Cylinder Compressive Strength	1000
30	Dr Gnanasundar V M	Civil Engineering	N Sudhagar	Fly ash Brick Testing	708
31	Dr Gnanasundar V M	Civil Engineering	P Suresh	Cube Consultancy	600
32	Dr Gnanasundar V M	Civil Engineering	Amman Associates	M-Sand Material Testing	1300
33	Dr Thirumurugan V	Fashion Technology	R.Rathinamoorthy , Associate Professor, Vit	Plasma Treatment To Fabrics	3186
34	Dr Thirumurugan V	Fashion Technology	Avinashilingam Institute Of Home Science	Fabric Surface Treatment Using Plasma	2124
35	Dr Thirumurugan V	Fashion Technology	Avinashilingam University	Plasma Treatment Of The Fabric Using Gas Cylinder	4248
36	Dr Karthiga Shenbagam N	Civil Engineering	Sri Muniappan Copnstructions	Material Testing	68,550
37	Dr Karthiga Shenbagam N	Civil Engineering	Raju & Co	Bridge Safe Deflection Test	1,65,200
38	Dr Karthiga Shenbagam N	Civil Engineering	Muralitharan Contrator	Bridge Deflection Test	177000
39	Dr Karthiga Shenbagam N	Civil Engineering	District Rural Developmnet Agency	Nabard.	47,200
40	Dr Karthiga Shenbagam N	Civil Engineering	N R Rangasamy	Safe Deflection Test	2,83,200
41	Dr Karthiga Shenbagam N	Civil Engineering	Panchayat Union Office	Building Design Vetting	23,600
42	Dr Senthil Kumar N	School Of Management Studies	Lakshmi Ring Travellers (Coimbatore) Private Limited	Mdp On Data Analytics Using Excel	11,800

43	Dr Nandhini B	School Of Management Studies	Roots Multiclean Limited	Advanced Excel.	23,600
44	Dr Nandhini B	School Of Management Studies	Emerald Jewel Industry India Pvt. Ltd	Mdp On Data Analytics	28,084
45	Dr Loganayagan S	Civil Engineering	Mar Basil Constructions , Nilgiris.	Soil And Tensile Test	20,296
46	Dr Loganayagan S	Civil Engineering	Murali &Co	Soil Test And Wmm Design.	40,120
47	Dr Loganayagan S	Civil Engineering	R. Jaganathan, Contractor, Ooty	Soil Test & Wmm Design	21,240
48	Mrs.Ashwathi R	Civil Engineering	Amman Associates	Cube Test	1416
49	Mr. Murugappan S	School Of Managamenet Studies	Rr Thulasi Builders Private (India) Limited	Mdp On Data Analytics - Self Service Business Intelligence	17,000
50	Mrs.Ashwathi R	Civil Engineering	Mahesh Clinic	Cube Test	708
51	Mrs.Ashwathi R	Civil Engineering	Mahesh Medical Centre	Cube Test	708
52	Mrs.Deepa D	Biomedical Engineering	Kav Biomedical Equipment Training & Education.	Image Quality Enhancement	5003
53	Mr.Kirupa Sankar M	Biotechnology	Ksr Dental College	Herbal Based Child Oral Anesthesia	69,620
54	Mrs.Jayanthi V	Civil Engineering	Cbr Testing of Soil	Panchayath Union	8260
55	Dr.Praveena R	Chemistry	Attox Research Laboratories	Optimisation of The Given Sample Synthetic Compounds Through G16 Dft Analysis	12,000
56	Mr.Pongali Sathya Prabu N	Physics	Shree Venkateswara Hi-Tech Engineering College	Collaborative Experimental Research Work	5000

Ph. D Completion

S. No	Name of the Scholar	Registration No	Title of the Thesis	Date of Ph.D. Completion	Photo of the Scholar
1	DINESH P S	17134697322	Investigations On Evaluation And Enhancement Of Ip-Based Routing Schemes For Low Power And Lossy Networks	2026-01-23	
2	BHUVANESH N	17142697300	Experimental And Theoretical Investigation Of Lightweight Pumice Reinforced Magnesium Az31 Composite	2025-11-20	
3	SRITHA P	17244691448	Certain Investigations On Vlsi Implementation Of Fir Filtering With Secured Alamouti-Stbc Transmission And Classifiers For FECG Signal	2025-10-13	
4	LINO L	21244691114	Optimization and Performance Analysis of Advanced Algan/Gan Mis-Hemts for High Power and High Frequency Applications.	2025-08-21	
5	PRADEEP A D	18142691138	Experimental Investigation On Mechanical And Tribological Properties Of Heat-Treated Aluminium Hybrid Metal Matrix Composites	30-09-2025	
6	SAKTHIVEL MURUGAN E	18132691169	Characterization Of Alstonia Macrophylla Fiber And Evaluation Of The Properties Of Alstonia Macrophylla Fiber Reinforced Polypropylene Composites	2026-01-23	

7	GANAGAVAL LI K	19274697173	Certain Investigations On Anomaly Detection Techniques For Human Behavior Analysis And Crime Mitigation Using Deep Learning Techniques	20-04-2026	
8	BOOPATHIRA JA K P	18142691191	Experimental Investigation On Mechanical, Tribological And Machining Behavior Of Friction Stir Processed Az31 Magnesium Based Metal Matrix Composites	30-12-2025	
9	MOHAN BHARATHI C	1514569741	A Study On The Tribological Behaviour Between Human Skin And Denim Fabric	31-10-2025	
10	ASHWIN RAJ S	17145697107	Investigations On Pretreatment Techniques For Sustainable Production Of Biobutanol Utilizing The Spent Substrate Of Pleurotus Ostreatus And Its Techno- Economic Feasibility Analysis	03-11-2025	
11	DHAYANEET HI S	16122697204	Production And Investigations On Influence Of Carbide Forming Elements On Microstructures And Mechanical Properties Of High Chromium White Cast Irons	02-06-2025	
12	RAJ KUMAR V S	21134191523	Certain Investigations On Context Aware Sentiment Analysis For Product Quality Enhancement	10-04-2026	

Summary

Period (June 2025 - May 2026)		
Funding Proposals	Applied in (Rs.)	721,539,020
	Sanctioned in (Rs.)	2225000
	Completed in (Rs.)	125,000
Patent	Granted	1
	Published	3
	Filed	8
Publication	WoS	244
	Scopus	381
	Others	4
Consultancy (Rs.)	No. of faculty involved	43
	No. of industry involved	127
	Amount in (Lakhs)	457634
Ph.D Completion	12	
Recognized supervisor	0	

Central Research facility

Research labs

1. Biomolecular Characterization and Instrumentation Lab
2. Fabric Surface Enhancement Lab
3. Functional Macro Molecular Enhancement Lab
4. Materials Processing and Testing Lab
5. Electrical Power Analysis Research Lab
6. Liquid Crystals Research Lab
7. Quantum Computing and Phytochemistry Research Lab
8. Condensed Matter Research Lab
9. Advanced Materials Research Lab
10. Subsonic Airflow Testing Lab
11. Materials Characterization FESEM Lab
12. Environmental Research lab
13. Centre for Metal Additive Manufacturing

Softwares

1. MATLAB
2. Cadence Tools Suite
3. LabVIEW
4. Oracle 11g
5. Ansys 18.0
6. CREO
7. CATIA V5
8. NX CAM Express
9. Solidworks 16
10. Altair Multiphysics/Mechatronics
11. Turnitin Originality
12. Origin