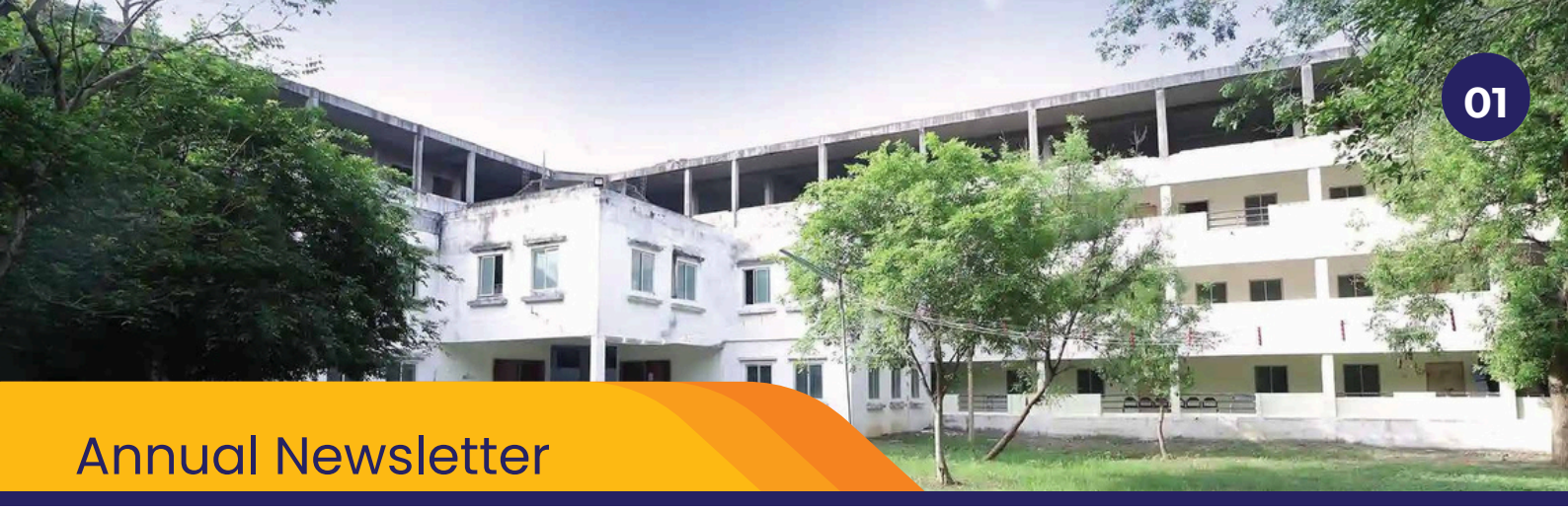
SRM MADURAI
College for Engineering and Technology

GLITTERS

Annual Newsletter

Volume 3 Issue 1
May 2025 - March 2026



Annual Newsletter

Preface

It gives me immense pleasure to present Volume 3, Issue 2 of our institution's newsletter, Glitters. This issue stands as a testimony to the vibrant academic culture and the wide spectrum of co-curricular and extracurricular activities undertaken by our institution. It proudly showcases the dedication, achievements, and innovative spirit of our students, faculty members, and staff.

In today's rapidly transforming educational landscape, continuous learning, collaboration, and adaptability are essential. This edition of Glitters reflects our collective commitment to academic excellence, holistic development, and institutional growth. The articles and contributions featured herein provide meaningful insights, knowledge enrichment, and noteworthy accomplishments that strengthen our shared vision and mission. I extend my sincere appreciation to all contributors for their commendable efforts and to our readers for their continued encouragement and support. I am confident that this newsletter will inspire the academic community and motivate us to achieve greater milestones in the journey ahead.

Vision

To become a centre of excellence in preparing engineering professionals with excellent technical, scientific research, and entrepreneurial abilities to contribute to the society.

Mission

- Providing a comprehensive learning environment.
- Imparting state-of-the-art technology to fulfill the needs of the students and Industry. · Establishing Industry - Institute alliance for bilateral benefits.
- Promoting Research and Development activities.
- Offering student lead activities to inculcate ethics, social responsibilities, entrepreneurial, and leadership skills.

Quality Policy

World-class education is aimed at through state-of-the-art infrastructure and effective teaching methodologies to produce competent technocrats of global standards.

Contents

Events Organised, Publications, Conferences Books/Book Chapter Published, Faculty Achievements ,Proposals Submitted, Industry Visit By Faculty Members, Student Achievements, Students Participation





EVENTS

College Day 2025

The **Second College Day** of SRM Madurai College of Engineering and Technology (SRM MCET) was celebrated with grandeur on **May 3rd, 2025**, in the college auditorium, marking a significant milestone in the institution's journey of academic excellence.

Dr. R. Velraj, Former Vice-Chancellor of Anna University, graced the occasion as the Chief Guest and delivered an inspiring address on the importance of developing knowledge and skills to meet the demands of the modern world.

The Event reflected SRM MCET's continued dedication to academic excellence, holistic student development, and institutional progress.







Sports Day 2025

SRM MCET celebrated its **2nd Annual Sports Day** on **3rd May 2025** with great enthusiasm at the College Sports Arena. **Mr. Samsudeen Kabeer,** Olympian and former Indian Navy weightlifter, graced the event as **Chief Guest** and distributed prizes to the winners. The celebration reflected **SRM MCET's commitment to holistic student development** through sports and academics.





Zura 2025

The vibrant cultural fest **ZURA 2025,** held on **30th May 2025,** brought the SRM MCET campus alive with enthusiasm, talent, and cultural spirit. The event featured a series of entertaining and high-spirited performances that captivated the audience throughout the day. Special guests added sparkle to the celebration - **KPY Azhar** and **KPY TSK** charmed everyone with their engaging performances and lively interaction, and **DJ Sam** elevated the energy with his foot-tapping music and electrifying DJ mixes.





ICON: EHIAS '25 - Fostering Innovation and Sustainability

The International Conference on Engineering Horizons: Innovation, Advancements, and Sustainability (ICON: EHIAS '25) was held on May 16–17, 2025, at SRM Madurai College of Engineering and Technology.

The conference featured 57 research paper presentations across various engineering domains. Prof. Ir. Dr. Yusri Yusof delivered the inaugural address and keynote on sustainable manufacturing for Industry 4.0, while Dr. K. Lingadurai gave the special address. The event also included the release of conference proceedings and ten thematic books, highlighting the institution's commitment to research and innovation.







Engineer's day

Engineer's day competition organized by the Fine Arts Association was held on September 20, 2025, at the College Seminar Hall-1 (First floor). Engineer's day was celebrated to mark the birth anniversary of Bharat Ratna, Sir. Mokshagundam Visvesvaraya, a renowned Civil Engineer and Dewan of Mysore, with great respect and enthusiasm by the students of our college.



The program was aimed at bringing the Engineering talents among the students in the form of various competitions. Recognizing this, the organizing team arranged a function in which competitions on short film/ Documentary, Photography/Drawing, Zero power challenge and Haiku on special themes related to Engineering were conducted.





AICTE-VAANI

The AICTE-VAANI National-Level Tamil Technical Conference was inaugurated on 18th December 2025 at SRM Madurai College for Engineering and Technology as a two-day event. The conference aimed to promote Artificial Intelligence and Data Science education through the Tamil language, encouraging research and innovation among students.

The inaugural session featured a keynote address on Artificial Intelligence and Innovation, highlighting emerging trends and future opportunities. Technical sessions were conducted with expert reviewers, during which research papers were presented and evaluated.The keynote address was delivered by Er.C.Balasubramanian Chandran on the topic "Artificial Intelligence and Innovation."

The address covered aspects such as the Innovation Cycle, AI Innovation Mountain Cycle, Stages of AI development, and guidance for future engineers. The event provided a valuable platform for students, researchers, and academicians to share knowledge and enhance technical awareness.





Chairman Birthday Trophy 2025

On **July 14 and 15, 2025,** SRM Madurai College of Engineering and Technology proudly hosted the “Chairman Birthday Trophy 2025”, a grand inter-school sports competition organized to commemorate the birthday of the esteemed Chairman of SRM Group, Dr. Ravi Pachamuthu. The event witnessed the enthusiastic participation of over 500 students from more than 60 schools, showcasing remarkable talent, teamwork, and sportsmanship. The Chairman Birthday Trophy 2025 stood as a true symbol of unity, discipline, and focus, inspiring young minds to pursue excellence both on and off the field







ISTE Sponsored FDP on Research Methodology

The Inauguration of the ISTE Student Chapter & ISTE Sponsored FDP was held on **September 20, 2025,** at the SRM MCET Auditorium. Dr. S. Durairaj, Principal, SRM MCET, honored the chief guest and shared the Presidential Address emphasizing the institution’s commitment to fostering student leadership and technical excellence. The Inaugural Address was delivered by Dr. K. Srithar, Professor & HoD/Mechanical, Thiagarajar College of Engineering, Madurai. This was followed by the formal introduction of Office Bearers by Dr. R. Ashok Kumar, ISTE Faculty Incharge. The session concluded with a heartfelt Vote of Thanks by Dr. R. Ashok Kumar, expressing gratitude to the dignitaries, participants, and organizing team. The event was commemorated with a group photo of all attendees.







Parents Teachers Meetings

The Parents Teachers Meeting (PTM) was successfully conducted on **27 September 2005 (ODD semester)** and **28 February 2026 (Even Semester)** across all departments to discuss students’ academic progress, attendance, discipline, and overall development. The PTM fostered effective communication between faculty and parents, strengthening their collaboration to support student success and holistic growth.






Events Organised

- A technical talk session on “Applications of Computational Fluid Dynamics in Civil Engineering” was organized by the STRUCTA Association on 09.08.2025 for II and III year students.

- A hands on training in “Concrete Mix Design using Excel” was conducted by Green Concrete Club on 23.08.25 for III Year students.

- A technical presentation on “Sustainable Construction Materials” was conducted by Eco Club on 23.08.25 for II Year students.

- A technical talk session on “Precision without Damage: NDT methods” was conducted by professional society on 27.09.25 for II and III Year students.

- A technical session on “Reading Between Lines: Research Insights from Journal Articles” on 14.03.2026 to enhance research interpretation skills.

- A Design Code Quiz on IS 456 & IS 800 was conducted on 28.02.2026 under the STRUCTA Association to strengthen students’ knowledge of structural design standards.

Atal Faculty Development Program

- The Department of Civil Engineering conducted an **Atal Online Faculty Development Program (FDP) titled “AI and IoT for Resilient Infrastructure and Advanced Disaster Management”** from 19.01.2026 to 24.01.2026. The program witnessed active participation from 259 faculty members representing various engineering and polytechnic colleges across India.



Publications

- Dr. P. Krishnakumar, 2025, “Influence of Bacillus subtilis bacteria on strength and durability of concrete with silica fume,” Civil Engineering Journal, vol. 11, no. 5, pp. 1959–1968, 2025, doi:10.28991/CEJ-2025-011-05-013.

- Dr. P. Krishna Kumar et al., 2025, “Investigation of mechanical properties of M25 grade concrete incorporating nano-TiO_2 and coconut fibers,” Journal of Environmental and Nanotechnology, vol. 2, pp.139–145, 2025, doi:10.13074/jent.2025.06.2511435.

Conferences

- M. Pandieswari, et al., 2025, “Experimental Investigation on yhe Structural Behaviour of FRC Beam With Partial Replacement of Geogrid in Stirrups”, Lecture Notes in Civil Engineering.

Patent

- Dr. M. Pandieswari, et al., Modular Foldable Bridge deck system using lightweight fibre reinforced composites. Published on 5.9.2025

Books/Book Chapter Published

- Dr. M. Pandieswari, et al., Experimental Investigation On The Structural Behaviour of FRC Beam With Partial Replacement of Geogrid in Stirrups, in Lecture Notes in Civil Engineering, 2025

Student Achievements

- M. Bayhan, V. S. Ramnath Suthan, P. Mahalakshmi - Building Materials as a Cornerstone to Sustainability - Elite+Gold

- S. Raj Kumar, V. Karan - Building Materials as a Cornerstone to Sustainability - Elite+Silver

- S. Mega, R. Sanjay - Building Materials as a Cornerstone to Sustainability - Successfully Completed

Faculty Achievements

- Dr. P. Krishna Kumar - Building Materials as a Cornerstone to Sustainability - Elite+Silver
- Dr. P. Krishna Kumar - Python for Data Science - Elite
- Dr. C. Prithiviraj - Foundation Engineering - Elite
- Dr. M. Pandieswari - Moral Thinking: An Introduction to Values and Ethics - Successfully completed
- Dr. C. Prithiviraj - Geology and Soil Mechanics - Successfully completed
- Dr. C. Prithiviraj - Tips for writing grant applications: A funder perspective - Elsevier Researcher Academy - Successfully completed
- Dr. C. Prithiviraj - Energy Literacy Training Swaraj Foundation - AICTE

Proposals Submitted

- Dr. P. Krishna Kumar and Dr. V. Gowri, "AI and IoT for Resilient Infrastructure and Advanced Disaster Management" ATAL FDP.
- Dr. P. Krishna Kumar, "Image based Disease Detection leveraging Machine Learning Approaches for the Crops Cotton and Wheat" IIT Bombay Chanakya Fellowship for an amount of Rs 1,00,000/-
- Dr. P. Krishna Kumar, Young Scientist Fellowship Scheme - NIT Puducherry. TNSCST
- Dr. P. Ramshankar and Dr. V.Gowri, Design and Feasibility of an integrated Urban Waste Management System for Climate Resilient Neighborhoods in semi-arid Cities of India, Nepal and Srilanka, CRRP, 2025
- Dr. M. Pandieswari and Dr. V. Gowri, "Synthesis of locally available industrial by-products in the production of Geopolymer concrete under different curing regimes and its impact on Life Cycle Assessment." DST-WMT, Rs. 10,00,000/-.

Industry Visit By Faculty Members

Name of the Faculty	Name of the Industry / Research Institute / Research Lab
Dr. V. Gowri	National Institute of Ocean Technology, Chennai & Geo Spatial and Marine Consulting Services
Dr. P. Krishnakumar	Chennai Metropolitan Development Authority, Chennai & IIITT
Dr. S. Nagalakshmi	Water Treatment Plant, Pannaipatti
Dr. C. Prithviraj	Cuckoo Forest School, Krishnagiri & Paver Block Manufacturing for National Highway Projects
Dr. P. Ramshankar	Appaswamy Real Estates Limited, Chennai & Tamilnadu Police Housing Board Cooperation Limited
Dr. M. Pandieswari	UltraTech Cement Limited (RMC Plant), Silaiman, Madurai & National Highway Authority of India (Madurai)
Mr. M. Balaji	Vaigai Dam & Cochin Port Authority

Events Organised

- A Webinar on “Beyond Degrees: The Global Edge with Certifications” was conducted by Computer Society of India for II yr and III Yr students on 29.07.2025
- A Tech talk on “AI Unleashed on AI” was conducted by Institution Innovation Council for II yr and III Yr students on 23.08.2025 Webinar on “Converting Innovation into a start-Up” for II yr and III Yr students on 23.08.2025
- Tech Talk on “Emerging Technologies” for II yr and III Yr students on 13.09.2025 Technical event on “UI/UX Design Sprint” was conducted under Cybria club for II yr and III Yr students on 27.09.2025
- A Webinar on “Problem Solving and Ideathon workshop” was conducted by Computer Society of India for III Yr students on 11.10.2025
- A Technical event on “Divide and Conquer” was conducted by Cybria club for II yr students on 11.10.2025
- A Full Stack Development Training Session on 14.03.2026, providing practical exposure to modern web technologies.
- Technical events such as “Algorithmic Treasure Hunt” and “Guess the Output” were organized on 28.02.2026 to enhance coding, logical thinking, and problem-solving skills.

Journals

- Dr. C. Callins Christiyana, “Enhancing breast cancer detection: A novel residual kernel support vector–based stain bower search algorithm,” International Journal of Machine Learning and Cybernetics, 2025, doi: 10.1007/s13042-025-02803-w.
- Dr C. Callins Christiyana, “Deep learning-based early detection of lung diseases using light attention visual geometry networks,” Cognitive Computation, 2025, doi: 10.1007/s12559-025-10522-1.

Conferences

- Dr. C. Callins Christiyana, “AI-Driven Smart Farming System for Crop Disease Detection Using Drone-Based Imaging” in Proc. 2nd Int. Conf. on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF), Oct. 9–10, 2025.

Faculty Achievements

- Dr. S. J. Subhashini - Software Engineering - Elite
- Mrs. C. Shyamala Gowri - Mobile Virtual Reality and Artificial Intelligence - Elite+Silver
- Mrs, P. Shamili - Big data Computing - Elite+Sliver
- Mrs. M. Kanimozhi - Data Science for Engineers - Successfully completed
- Mrs. R Banupriya - Distributed Systems - Elite

Student Achievements

- Abirami R - Project Management for Managers -Elite
- Jayasakthi K R - Privacy and Security in Online Social Media - Elite
- Aathish Rao A B - Ethical Hacking - Elite
- Priyadharshini V - Introduction to Internet of Things - Elite Sunil Subramanian R - Ethical Hacking - Elite
- Logeetha K and Janani Asokan of II CSE secured 2nd Place in the “InnoX for SDG – Poster Presentation” event at ZENYTH, a national-level technical symposium organized by the IEEE Student Branch of Thiagarajar College of Engineering, held on 14.03.2026.
- R. Abirami of II CSE secured 2nd Place in Paper Presentation at Fusion Festa 2025 organized by Sethu Institute of Technology.
- Manoj Prabakaran S of II CSE presented a research paper titled “Quantum Gravity in Higher Dimensions: Relativistic and Non-Relativistic Formulations up to 12 Dimensions” at MQUBIT 2026 conducted by Thiagarajar College of Engineering.

Student Achievements

- Abirami R of III Year CSE – won 2nd Prize in the Paper presentation event organised by Sethu Institute of Technology, Madurai on 26.09.2025.
- Illavazha Nathan S of III Year CSE participated in Debugging Contest and Poster Design organised by Sethu Institute of Technology, Madurai on 26.09.2025.
- Kingsly Azhariya A of I Year CSE secured 1st Place in the Fix and Play event organized by Thiagarajar College of Engineering and won a cash prize of ₹1500.
- Kishorre Charan N of I Year CSE secured 1st Prize in the Dungeons and Dragons event organized by Thiagarajar College of Engineering.
- Vigneshwaran J S, Sanjay Kanna K J, Yuvaraja Kumaran M, Kirubananthan M, and Kavinamuthan G P, III Year CSE students, secured 2nd Prize in the Wonders of AI 3.0 (24-Hour Hackathon) conducted by Kalasalingam Academy of Research and Education and won a cash award of ₹6000.
- Neha M, Sheema R, Rithika M, and Sathana P, I Year CSE students, secured 2nd Prize in the Fashion Walk event organized by Thiagarajar College of Engineering and won a cash award of ₹1,000.
- Ragulnath R, Pradeep S, and Sheema R, I Year CSE students, secured 2nd Prize in the IPL Auction event organized by Thiagarajar College of Engineering and won a cash award of ₹1,000.
- Santhosh Kumar B N, Sahana K, Prem Kumar L, and Shanjana A, I Year CSE students, secured 3rd Prize in the IEEE IGNITE Project Expo 2.0 conducted by Kalasalingam Academy of Research and Education and won a cash award of ₹2,500.
- Viswajith Murugan M, Senthoor N, and Udhayan T J, I Year CSE students, secured 3rd Prize in the GEOSNAP FIESTA conducted by Kalasalingam Academy of Research and Education and won a cash award of ₹3,000.

Student Achievements

- Mahesh M S K, III Year CSE student, secured 1st Place in Bot Battle and 2nd Place in MERN Fusion – Frontend Faceoff at Thiran'26 organized by Sri Eshwar College of Engineering, winning cash awards of ₹3,000 and ₹2,000 respectively

Proposals Submitted

- Dr. S. J. Subhashini, "Tiny ML based Food Spoilage Detector for Public Distribution System" AICTE-RPS, ₹ 11,76,000.

- Dr. C. Callins Christiyana and Dr. S. J. Subhashini, 2025, AICTE-VAANI Sponsored 2-day National Level Conference on "AI and Data Science Dr. C. Callins Christiyana and Dr. S. J. Subhashini, 2025, "Generative AI Techniques for Academic Process Automation" ATAL FDP.

Industry Visit By Faculty Members

Name of the Faculty	Name of the Industry / Research Institute / Research Lab
Dr. Callins Christiyana	Seven Hills Cloud Technology Private Limited, Madurai &
Dr. Subhashini S J	Thanvi Technologies, Madurai & Reccsar Private Limited,
Ms. Aninthitha G	Centre of Excellence in Electronic System Design and
Mrs. Kanimozhi M	TVS Automobile Solutions Private Limited, Madurai &
Ms. R. Banu Priya	Elysium Technologies Private Limited, Madurai & Zoho
Ms. V. Lithika	Zenshine Technologies, Madurai & Codebind

TECHXPLOSION '25

The State-Level Technical Event, TECHXPLOSION'24, was successfully organized by the Department of Computer Science and Engineering in collaboration with the Computer Society of India (CSI) on October 14, 2025. Held in memory of Dr. A.P.J. Abdul Kalam, the event served as a dynamic platform for students from across Tamil Nadu to showcase their innovation, leadership, and technical prowess. The event witnessed a massive turnout of 160 participants from various colleges.













Events Organised

- Seminar on Introduction to Intellectual Property Rights conducted by IPR & Entrepreneurship and Start-Up Cell on 18.6.25.
- An extension activity was conducted on “Training on Basics of MATLAB” on 22.07.25 with 36 participants.
- Awareness Program on "Sustainable Energy and Renewable Energy" was conducted by I-Volt club on 27.09.2025 with 39 participants..
- National level Technical Symposium “Electra ’25” was conducted on 15.10.2025 with 74 participants..
- A Poster Presentation on “Clean Water through Waste Water” on 14.03.2026 in association with the Indian Water Works Association (IWWA), promoting sustainable water management solutions.
- The Energy Club conducted a session on “Energy Horizons – Emerging Trends in Renewable Energy” on 28.02.2026, creating awareness about renewable energy technologies.

Conferences

- Dr. J. Rajalakshmi , 2025, “Artificial Intelligence Driven Renewable Energy Electrical Vehicle Charging Framework for Enhanced Efficiency, Sustainability and Grid Stability”, AICTE-VAANI 2 Days National Level Technical Conference on Artificial Intelligence and Data Science in Tamil Language, December 2025.
- Dr. P. Deepamangai, 2025, “Artificial Intelligence – Enabled Energy Management: A Mixed Methods Evaluation of Performance”, IEEE Conference – International Conference on Modern Sustainable Systems (CMSS), August 2025.
- Dr. M. Karthik, 2025, “Hybrid AI/ML Solutions for Next Generation 6G Networks: Improving Performance and Energy Efficiency in Next-Generation Networks”, International Conference on Signal Processing, Computation, Electronics, Power Telecommunication, November 2025.
- Dr. M. Karthik, 2025, “—”, 3rd International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA), June 2025.
- Dr. M. Karthik, 2025, “Solar-Powered Smart Wheelchair with Voice Controller for Physically Challenged People”, 2025 3rd International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA), April 2025.
- Dr. M. Karthik, 2025, “Design a High-Frequency Dual Active Bridge Converter for Discrete Time Frequency”, 2025 3rd International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA), April 2025.

Journals

- Dr. A. Narendran, 2026, “Design and intelligent tuning of a proportional–integral–derivative controller for an armature-controlled DC motor”, International Journal of Advanced Technology and Engineering Exploration, Vol. 13(134).
- Dr. A. Narendran, 2026, “Metaheuristic-driven dual inductor boost converter for floating PV systems in MATLAB/Simulink”, Rev. Roum. Sci. Techn. – Electrotech. et Energ., Vol. 70, Issue 1.

Books/Book Chapters

- Dr. J. Rajalakshmi, 2025, “Allocation of DGs in Distribution Networks”, Notion Press, ISBN: 979-8899841033.
- Dr. M. Karthik, 2025, “Control System”, Charulatha Publications, ISBN: 978-93-7130-940-0.
- Dr. M. Karthik, 2025, “Nanotribology at Biological Interfaces”, in Biotribology: Friction, Wear and Lubrication in Biological Systems, De Gruyter.

Faculty Achievements

- Dr. M. Karthik - Technical Communication for Engineers - Elite+Gold (Topper)
- Dr. C. Vimalarani - Big Data Computing - Elite+Silver
- Dr. M. Karthik - Ethics in Engineering Practice - Elite+Silver
- Dr. P. Deepamangai - The Joy of Computing using Python - Elite
- Dr. J. Rajalakshmi - Introduction to Internet of Things - Elite
- Mrs. A. Jeyalalkshmi - Ethics in Engineering Practice - Elite

Proposals Submitted

- Dr. C. Vimalarani, and Dr. M .Karthik, “From Grid to Road: AI Innovations Powering Sustainable Electric Mobility” ATAL FDP
- Dr. C. Vimalarani and Dr.P.Deepamangai, “Design of Energy Efficient EV inverters : Addressing Indian Driving Dynamics”, ANRF
- Dr.M.Karthik, “Green Revolution: AI’s Role in Shaping Electric Transportation” ANRF.
- Dr. M. Karthik and Ms. A. Jeyalakshmi, National Level Seminar on “The Green Revolution: AI’s Role in Shaping Electric Transportation” .
- Dr. M. Karthik and Ms. A. Jeyalakshmi, National Workshop on “Advanced Smart Energy Generation and Sustainable Efficiency: Planning, Implementation and Research Perspectives” .
- Dr. M. Karthik, Dr. P. Deepamangai, and Dr. A. Narendran, Project Proposal on “Experimental Investigations on Properties of Antioxidants Mixed Vegetable Oils in Power Transformer Applications”.

Patents

- Dr.P.Deepamangai, “An Artificial Intelligence Based Non-Intrusive System and Method for Early Fault Detection and Localization in Underground XLPE Power Cables”- Published

Student Achievements

- Niranjankumar S G - Cloud Computing - Elite
- Vignesh M - Introduction to Internet of Things - Elite
- Ananthi D - Introduction to Internet of Things - Elite
- Swathi Sri B - Introduction to Internet of Things - Elite
- Rishon Sam Xavier V -Ethics Engineering Practice - Elite
- Akshaya V - Ethics in Engineering Practice - Elite
- Prasanth S - Ethics in Engineering Practice - Elite
- Jayanth - Ethics in Engineering Practice - Elite
- Siva Sachin CP - Ethics in Engineering Practice - Successfully completed
- Vignesh M - Cloud Computing - Successfully completed
- Deva Ganesh S - Cloud Computing - Successfully completed
- Lavanya J D - Cloud Computing - Successfully completed
- Arun Kumar S - Cloud Computing - Successfully completed
- Sabashini S - Cloud Computing - Successfully completed
- Niranjankumar S G - VLSI Design Flow: RTL to GDS - Successfully completed
- Sam Isaac Paul P, Sriram B - Ethics in Engineering completed

- V. Akshaya, A. R. Amina @ Shabnam, B. Swathi Sri, and A. Vandhana, secured First Prize and Cash Award in a National Level Technical Symposium held at Sethu Institute of Technology.



Industry Visit By Faculty Members

Name of the Faculty	Name of the Industry / Research Institute / Research Lab
Dr. C. Vimalarani	MSME, Madurai & Tucker Motors (P) Ltd & EVER Power EV
Dr. P. Deepamangai	EID Parry (India) Ltd, Cuddalore & Micro, Small and Medium Enterprises (MSME), Madurai
Dr. A. Narendran	Suman Controls Pvt Ltd, Bangalore & Ma Power Solutions
Dr. J. Rajalakshmi	Jothi Electrical Industries & Kamatchi Industries Madurai
Dr. M. Karthik	JP Transformers, Madurai & High Voltage Laboratory, National Institute of Technology (NIT), Karaikal
Mrs. A. Jeyalakshmi	Industech Automations, Madurai & S. Srinivasan Centre for Automotive Research (TSSCAR), Madurai
Ms. R. Sridevi	Industech Automations, Madurai & S. Srinivasan Centre for Automotive Research (TSSCAR), Madurai

Electra '25

The Department of EEE successfully organized a National Level Technical Symposium on September 10, 2025, with the active participation of 74 students from various institutions. During the inaugural function, the Principal honoured the Chief Guest and formally released the Department Newsletter "The Resonance" along with the Proceedings of the Symposium, highlighting the department's academic and research initiatives.

The Chief Guest, Dr. S. Nageswari, Associate Professor, Department of EEE, Alagappa Chettiar Government College of Engineering and Technology, delivered an inspiring address on emerging research trends. The symposium provided a vibrant platform for students to showcase their technical skills, innovative ideas, and research aptitude.



Events Organised

- A technical session on "Realisation of Fundamental Power Division Theorem and Its Findings in Power Systems" was organized with 15 participants on 16.6.2025.
- On 30.06.2025, a training program on "Mastering Canva & Communication" was conducted as an extension activity, with 25 participants.
- A Tech Talk titled "Learn, Share, Shine" was organized by the Technical Teacher Training Centre on 01.08.2025, with 25 student participants.
- On 09.08 2025, an Inauguration and Tech Talk was organized by the Enigmatic Association, with 139 participants, and on the same day, an Inauguration and Quiz was conducted by the ECLAT Club with 139 participants from II year and III Year.
- A Session Discussion was organized by the Innovation Club on 13.09.2025, with 25 students participating. This was followed by a Logo Contest conducted by the Innovation Club on 15.09.2025, with 24 participants.
- On 29.09.2025, the ECLAT Club organized a Logo Competition and a technical quiz was conducted by the Enigmatic Association with 45 student participants.
- Group Discussion was organized by the Enigmatic Association on 11.10.2025 for III Year ECE Students.
- A technical contest titled "Next Gen VLAB", along with a Virtual Lab Awareness Program and VLAB Contest, was organized on 14.03.2026 to promote simulation-based learning.
- A training session on "IEEE Xplore Digital Library" enhanced students' research capabilities, while the Innovation Club organized "MindMaze Interdisciplinary Project Challenge Ideas" .
- A workshop on "Zynq SoC Architecture and Peripheral Integration" (12.03.2026) provided exposure to FPGA and embedded systems.
- A "Tech Clash" and "Deployathon – AI Web Development Challenge" on 28.02.2026, strengthening technical and development skills.
- A National Level Technical Symposium "Kyronix'26" was organized on 27.03.2026 encouraging intercollegiate participation and innovation.

Journals

- M. Dhamodharan et al., "Tuning the physicochemical characteristics of $NdFeO_3$ perovskites by Sb^5 and W^6 metal cations: A co-doping strategy for photocatalytic application," Materials Science in Semiconductor Processing, vol. 200, Art. no. 109989, 2025.
- M. Dhamodharan et al., "IoT enabled embedded system for industrial automation real-time monitoring and control system," Advances in Science and Technology of Water Resources, 2025.
- R. Sangeetha et al., "Enhanced EEG signal classification through integrated DTCWT, human learning optimization, and optimized DBN-HMM models for improved performance," Biomedical Signal Processing and Control, vol. 110, Art. no. 108229, 2025.
- R. Sangeetha et al., "Symmetrically stepped reflective surfaces for enhanced multiband stealth and phase cancellation," Progress in Electromagnetics Research M, vol. 132, pp. 95–103, 2025.
- S. Karthik and C. Sujatha, "GT-SOH: A graph-transformer contrastive learning framework with starfish optimization for accurate state-of-health battery prediction in EV," International Journal of Electronics and Communication Engineering, vol. 12, no. 10, pp. 163–176, Oct. 2025.

Conferences

- Tharcis Paulraj et al., "Solar energy and visible light communication for eco-friendly communication systems—An overview," in Proc. International Conference on Smart Technology for Sustainable Development Goals, 2025, published in International Journal of Intelligent Systems and Applications and Engineering.
- B. Buvaneswari et al., "Stratified meta learning for DDoS attack classification and counter action using rate limiting," in Proc. Hinweis Fourth International Conference on Advances in Software Engineering and Information Technology (ASIT 2025), Aug. 30, 2025.

Conferences

- S. Senthilrani et al., "Fault evaluation of photovoltaic modules using deep learning strategies," in Proc. Second International Conference on Renewable Energy, Green Computing and Sustainable Development, 2025.
- S. Karthik et al., "Development and implementation of a smart blind stick using IoT," in Proc. 2025 5th International Conference on Pervasive Computing and Social Networking (ICPCSN), 2025.
- Ms. R. Sangeetha , "Li-Fi Based Vehicle to Vehicle Communication System for Enhanced Road Safety", IEEE Xplore, 2025.

Patent

- M. Dhamodharan et al., "Automatic on-road electric vehicle battery management," The Patent Office Journal, no. 36, Sep. 5, 2025.

Books/Book Chapter Published

- S. Senthilrani, U. Umamaheswari, A. Kumar, and S. Sivaranjani, Wireless Broadband Networks. Technical Publications, 2025.
- R. Sangeetha "The Digital Technologies in Healthcare: Navigating the Digital Transformation with Security and Operational Efficiencies", CRC Press, Taylor & Francis Group, 2025.

Faculty Achievements

- Dr. Tharcis P - Cloud Computing - Elite
- Dr. Buvaneswari B - Python for Data Science - Elite+Silver
- Dr. Buvaneswari B - Introduction to Machine Learning (IIT KGP) - Elite+Silver (Topper)
- Dr. Kavitha P - 5G Wireless Standard Design - Successfully Completed
- Dr. Senthilrani S - Understanding Incubation and Entrepreneurship - Elite+Gold
- Dr. Senthilrani S - Python for Data Science - Elite
- Mrs. Sangeetha R - Reinforcement Learning - Successfully Completed
- Mrs. Sangeetha R - Learning Analytics Tools - Elite+Silver
- Mrs. Sharmila N K - Cloud Computing - Successfully Completed
- Mrs. Anupriyadharsini S - The Joy of Computing using Python - Elite+Silver
- Mrs. Anupriyadharsini S Computer Architecture - Elite
- Mrs. Jeeva S - Digital Circuits - Elite
- Mrs. Jeeva S - Deep Learning (IIT Ropar) - Elite
- Mrs. Divyasharon R - Programming, Data Structures and Algorithms using Python - Successfully Completed

Proposals Submitted

- Dr. P. Tharcis, "Empowering 6G and Smart Connectivity with Next-Gen Communication Technologies", ATAL-FDP
- Dr. P. Tharcis, Mrs. S. Jeeva & Mrs. S.Anupriyadharshini, "3D Printing Technology in Healthcare Applications", TNSCST
- Dr. Divyashron Mrs. V. Sarumathi, "Digital World vs Real You : Understanding Technology and Science", TNSCST
- Dr. P. Tharcis & Mrs. S. Anupriyadharshini, "Sky to Soil-Educating Farmers on Drone use in Agriculture" TNSCST
- Dr. S. Senthilrani, "Computer Vision for Quality Assurance and Grading of Dry Fruits", ANRF/ARG-MATRICS
- Dr. P. Kavitha, "RIS Assisted UAV FSO Communication for Traffic Monitoring and Management in Smart Cities" ANRF/ARG-MATRICS
- Dr. B. Anburaj, "The Green Revolution: AI's Role in Shaping Electric Transportation", ANRF/ARG-MATRICS

Student Achievements

- Vijayapriya M, Sudharsana S S, Silakini K – Understanding Incubation and Entrepreneurship – Elite-Gold (Topper)
- Swetha Nachiar, Saravanapandi G, Pravin, Rohith S, Sivakumaran KRS, Swethaa Sri R – Understanding Incubation and Entrepreneurship – Elite-Silver

- Akchara T J S, Alice Catherine X, Vaishnavee S M, Amrutha V, Rohith Chand P M , Baeby Shaleni, Prithigasri B , Valli T, Akshaya M, Haresh Kumar A, Hemadakshata I S, Sangeetha, Karthick Ragavan S, Joselyn Sweety A, Sanjai Nagamuthu V, Tharik Ahamed M, Yohannaa M, Ravikumar P, Swetha N S, Ramalakshmi M, Priyadarshini B, – Understanding Incubation and Entrepreneurship – Elite-Gold
- Swetha Nachiar, Saravanapandi G, Pravin, Rohith S, Sivakumaran KRS, Swethaa Sri R – Understanding Incubation and Entrepreneurship – Elite-Silver ▪ Achudhan M B, Gurushruthi M, Akshaya M, Aswin Kumar N S, Divya Kirthana M, Sowmiya Shree A, Swasthika N, Madhumitha A – Cloud Computing – Elite
- Gohul T – Introduction to Internet of Things – Elite
- Nivethitha K – Electronic-Systems-Design: Hands on Circuits and PCB Design with CAD Software – Elite
- Aishwarya R – Programming in Java – Elite
- Karthick G B, Mridulaa K – VLSI Design Flow: RTL to GDS – Elite
- Vikash Narayanan G R – Introduction to IoT – Successfully Completed
- Nila R H, Hemadakshata I S, Vishnupriya S, Kavya M, Devananth S, Tirumala Dean K – Cloud Computing – Successfully Completed
- Achudhan M B, Nila R H – VLSI Design Flow: RTL to GDS – Successfully Completed
- Thayakar Raj G – System Design through Verilog – Successfully Completed



Industry Visit By Faculty Members

Name of the Faculty	Name of the Industry / Research Institute / Research Lab
Dr. Tharcis P	Auraa Aerospace Pvt Ltd & Crayonte
Dr. Dhamodaran M	Power Plant (Valuthur) & Thiagarajar Telekom Solutions Ltd
Dr. Buvaneswari B	Ariv Executions & RarelyTech Pvt Ltd
Dr. Senthil Rani S	Edge Matrix Corporation & Thiagarajar Telekom Solutions
Dr. Venkatesh R J	TVS Sensing Solutions Pvt Ltd & HCL Technologies
Mr. Karthik S	Tata Technology Industry 4.0 & Hyggo Mobility Pvt Ltd
Mrs. Jeeva S	Hi-Tech Arai Pvt Ltd & Medsby Healthcare
Ms. Sangeetha R	Auraa Aerospace Pvt Ltd & Hitasoft Technologies
Mrs. Sharmila N K	DotCom Infoway & Gino Solar Pvt Ltd
Dr. Anburaj B	Ultra Tech Water Care Solution & Pop Farme Tech
Mrs. Anupriyadharsini S	Tarcin Robotics & SAM Robotics
Ms. Dharani K	IIT Bombay & Avalon Technologies
Dr. Divyasharon R	Dharini Rubber Pvt Ltd & Robin Power Solutions

Events Organised

- Seminar on “Map Creating using Advanced Technology” was conducted for II yr and III Yr students on 15.09.2025.
- Seminar on “How Mechanical Engineers can Build Their Own Brand in the Digital World” was conducted for II yr and III Yr students on 09.08.2025.
- Webinar on “Python for the Future Workforce – Tech That Matters” was conducted for II yr and III Yr students on 24.08.2025.
- Webinar on “Core Engineering Digitalization and Virtualization” was conducted for II yr and III Yr students on 13.09.2025.
- Seminar on “Industry Insights for future Professional” was conducted for II yr and III Yr students on 22.09.2025.
- Mini Project Expo 2025 was conducted for Inter Department on 11-10-2025.
- Lumi nova Makal Fest Paper Presentation Event was conducted for Inter Department on 11-10-2025.
- A hands-on technical event titled “CAD Creator” on 14.03.2026 in the CAD/CAM Laboratory, where students engaged in 3D CAD modelling using Creo software to enhance design and innovation skills.
- A Personality Development Program was conducted on 28.02.2026 in association with ISTE, featuring Ms. G. Rubavathy, Deputy Manager – HR, Sundram Fasteners Limited, who provided insights into career readiness and professional skills.

Journals

- K. Balamurugan, et al., “Human-Machine Interaction in Mechanical Systems through Sensor-Enabled Wearable Augmented Reality Interfaces”, Measurement: Sensors, vol. 39, 2025
- A. N. Balaji et al., Properties and Prototype Applications of Polyester Composites Reinforced with Woven Fabric of Agave vera-cruz Fiber”, Journal of Wood Science, vol. 71, 2025.
- P. Sabarinath et al., “Integrating environmental sustainability into strategic management: Achieving the profit–planet equilibrium,” International Journal of Environmental Sciences, vol. 11, no. 17S, 2025.
- Eanest Jebasingh et al., “Comprehensive experimental analysis of the mechanical properties and enhancements of natural fiber composites,” Journal of Polymer and Composites, vol. 13, no. 04,
- Eanest Jebasingh, et al., “Development and corrosive sensitivity of sustainable aluminium hybrid reinforced composites for latent heat energy storage systems,”Sustainable Materials and Technologies, 2025
- V. Jeyabalaji, et al., “Microstructural, mechanical and thermal characterization of TiO_2 and ZrO_2 reinforced aluminum matrix nanocomposites fabricated using powder metallurgy,” Journal of Environmental and Nanotechnology, 2025
- V. Jeyabalaji, et al., “Mechanical characterization of nanosilica enhanced glass fiber reinforced polymer composites,” Journal of Environmental and Nanotechnology, 2025
- R. Ashok Kumar, et al., “Sustainable nano-assisted dry turning of hybrid aluminium matrix composites: Process parameter optimisation via grey relational analysis,” Journal of Environmental Nanotechnology, 2025.
- R. Ashok Kumar, et al., “Consequences of modification in interface angles of the plates in friction stir welding of different aluminium alloys,” International Journal of Vehicle Structures and Systems, 2025.
- S. Sambath, et al., “Synergistic strengthening: Tailoring microstructure and maximizing dry sliding wear resistance in Al-Ni alloys,” Journal of Materials Engineering and Performance, vol. 34, 2025.
- S. Sambath, et al., “Comparative analysis of shear load on single side and double side friction stir welded AA2014 joints,” Journal of Adhesion Science and Technology, vol. 39, no. 14, 2025.

- S. Sambath, et al., "Production and characterization of epoxy based biocomposites using pectin biopolymer derived from Passiflora edulis husk and areca fibre," Polymer Bulletin, vol. 82, 2025.
- N. Balaji, et al., "Evaluation of mechanical properties of Terminalia chebula and teak wood sawdust reinforced polymer hybrid composites," Journal of Polymer and Composites, vol. 13, no. 8, 2025.
- T. Prem Kumar "Enrichment of polyfiber composites functional properties by the influences of hydrophobic titanium dioxide nanoparticles via injection mould technique", published in the Iranian Polymer Journal, DOI: 10.1007/s13726-025-01586-9, 2026.

Conferences

- T. Premkumar, 2025, "Mechanical and Thermal Properties and studies on the sustainable chopped caryota Fiber Reinforced Polyester Composites (CFRPC)", Web of Conferences.
- T. Premkumar, 2025, "Assessment of Mechanical and Erossive wear behavior in polyester composites reinforced with curaua and basalt fibres", EPJ Web of Conferences.
- Dr. B. Eanest Jeasingh, 2025, "Case study on Artificial Intelligence in healthcare in India", ICON: EHIAS'25 "Engineering Horizons: Innovation, Advancements, and Sustainability organized by SRM College for Engineering and Technology, Madurai, Tamil Nadu, India.
- B. Eanest Jeasingh, 2025, "AI In Developing Cognitive Skills of Higher Education Students", AICTE-VAANI 2 days national level technical conference on artificial intelligence and data science in tamil organized by SRM College for Engineering and Technology, Madurai, Tamil Nadu, India
- N. Vimal Kumar, "Natural Air Freshness: Developing a Green Fragrance for Sustainability", presented at ICAMST 2026 held at PSGR Krishnammal College for Women, 2026.

Patent

- Dr. B. Eanest Jeasingh, 2025, DQUADCOPTER DRONE FOR MAPPING, SURVEYING AND AGRICULTURE CROP HEALTH MONITORING, Design Patent , 44-555501

Books/Book Chapter Published

- Dr. K. Balamurugan, 2025, "Machine Learning – Driven Smart Automation for Industrial Transformation" Brown Page Publication, 978-9367757451

Faculty Achievements

- Dr. R Ashok Kumar - Product Design using Value Engineering - Elite+Gold (Topper)
- Dr. P Sabarinath - Product Design using Value Engineering - Elite+Gold
- Dr. Jeyabalaji V - Principles of Metal Forming Technology - Elite
- Dr. N J Vignesh - Principles of Metal Forming Technology - EliteDr. S. Sabarish - Principles of Metal Forming Technology - Elite
- Dr. Balaji A N - Introduction to Programming in C - Successfully completed
- Dr. T. Premkumar - Fundamentals of Additive Manufacturing Technologies - Successfully completed
- Dr. Vimal Kumar N - Fundamentals of Additive Manufacturing Technologies - Successfully completed

Proposals Submitted

- Dr. R. Ashok Kumar and Dr. Jeyabalaji V, Fabrication, Characterization, Applications and Research Frontiers of Innovative Materials, ATAL-FDP.
- Dr. Jeyabalaji V , "FDP on Fabrication of Innovative Materials and its Medical Applications", Faculty Development Programme.
- Dr. T. Premkumar , "Employability Skill Empowerment Training on IC and Electric Wheeler Vehicles Servicing", (TNSCST) DIT Scheme
- Dr. K. Balamurugan, "TechReach 2025: Training for Empowerment in Agriculture and Allied Sectors", (TNSCST) DIT Scheme. ▪ Dr. N. Vimal Kumar (Mech), "Future Growth and Benefits of Horticulture and Floriculture", (TNSCST) DIT Scheme.
- Dr. S. Sabarish (Mech), "Smart Mechanization for Agriculture: A Rural Technology Training Initiative", (TNSCST) DIT Scheme.

- Dr. N. J. Vignesh (Mech), "Friction Bond: Superior Hybrid Joints for Multi-Material Structures via Advanced Friction Riveting", DST.
- Dr. K. Balamurugan, "Bulk Preparation of Rare Earth Phosphate Composite with Improved Toughness", ANRF–ECRG.
- Dr. R. Ashok Kumar (Mech), "Enhancing Mechanical Performance and Weight Reduction in Engineering Components through Additive Manufacturing Parameter Optimization", ICSSR, ₹15,50,000.

TECH DAY'26

The ISTE Sponsored TECH DAY'26 was inaugurated at the SRM MCET Auditorium with Tamil Thai Vazhthu and ceremonial lamp lighting. The Chief Guest delivered an inspiring address highlighting innovation and industry interaction.

A total of 281 participants registered, with 272 students actively participating from various engineering colleges across Tamil Nadu in events such as Paper Presentation, Poster Presentation, and Ideathon. The event witnessed enthusiastic participation and innovative ideas, successfully promoting research aptitude and collaboration. TECH DAY'26 concluded as a grand success.



Industry Visit By Faculty Members

Name of the Faculty	Name of the Industry / Research Institute / Lab
Dr. Jeya Balaji V	Jayam Engineering and Tools, Coimbatore & JK Fenner (India) Private
Dr. Ashok Kumar R	Sun Pressing (P) Ltd, Madurai & JK Fenner (India) Private Limited, Madurai &
Dr. Premkumar T	SACS Industry, Madurai & TVS Sensing Solutions Private Limited,
Dr. Balamurugan K	Sun Pressing Pvt Ltd, Madurai & Government ITI, Madurai & Algorian
Dr. Sabarinath P	Sakthi Sugars Private Limited, Sivagangai & Delphi TVS, Kanchipuram
Dr. Sabarish S	Rabwin Industries Pvt Ltd, Coimbatore & Sri Velmurugan Industries, Madurai
Dr. Vignesh N J	TUFF-CRI Unit, Coimbatore & CIPET – Centre for Skilling and Technical
Dr. Eanest Jebasingh B	Delphi TVS Technologies Ltd, Kanchipuram & Sakthi Auto
Dr. Vimal Kumar N	CIPET, Madurai & Tractors and Farm Equipment Ltd (TAFE), Madurai & TVS

Events Organised

- A technical event, “Code Quest” was conducted by INTELLECTRA association for II Year students on 23.08.2025.
- Ideathon was conducted by INTELLECTRA association for III Year students on 23.08.2025.
- Technical Debate – "AI take over human jobs or create more?" was conducted by INTELLECTRA association for II Year students on 27.09.2025.
- “Build Your AI Model” was conducted by INTELLECTRA association for III Year students on 27.09.2025.
- “TechConnections” was conducted by INNOVISION club for II Year students on 13.09.2025.
- “Resume Rost” was conducted by INNOVISION club for III Year students on 13.09.2025.
- A Paper Presentation on “Recent Trends in AI” and “Build Your AI Model” on 14.03.2026, enabling students to explore AI advancements and develop practical models.
- An AI Poster Presentation was conducted on 28.02.2026 through the Innovision Club to promote awareness of emerging AI technologies.

Faculty Achievements

- Dr. R .Lakshmi - Deep Learning for Computer Vision - Successfully completed
- Dr. R. Lakshmi - Programming, Data Structures and Algorithms using Python - Successfully completed
- Mrs.P. Mohana Priya – Big Data Computing – Elite + Silver

Proposals Submitted

- Dr. R .Lakshmi and Dr. P. Ramya, “AI for Interdisciplinary Research: Foundations and Futre Trends”, ATAL FDP
- Dr. R. Lakshmi, “Workshop - Bridging the Digital Gap; AI and NLP for Tamil Language Advancement” TNSCST, ₹ 42500/

Student Achievements

- Devadharshini C - Software Conceptual Design – Elite + Gold
- Akshaya S K - Software Conceptual Design - Elite
- Dharsan S S - Privacy and Security in Online Social Media - Elite
- Mary Disney A - Introduction to Machine Learning - Elite
- Shri Dharshan K - Introduction to Large Language Model - Elite
- Harish P, Hareezzvijey R J, Kavinkumar R, Shri Dharshan K, Ajayraj J, Arivalagan M, Santhosh Dharma R are the winners at Mini project expo conducted at SRM Madurai College for Engineering and Technology on 11.10.2025.
- Sanjay Deva V, Harish V, Kavin Kumar R, Hareezvijay R J, secured first place in Innovative Technical Project Contest, INNOVATEX 2K25, conducted at Kamaraj College of Engineering on 17.10.2025.
- Mounesh M participated in the State Level coding Hacktathon, conducted at Velammal College of Engineering, Madurai on 27.09.2025.
- Hareezzvijey R J, Thivyan K S, Mounesh M, and Sanjay Deva V (III CSE–AIML) emerged as Grand Finale Achievers, with their team RiseAI_Spark securing a Top 25 position among 200 teams across India.
- A. Ram Meyyappan (III CSE–AIML) secured the Silver Medal in Digital Interactive Media, won ₹50,000 cash prize, and qualified for the India Skills Nationals.

Industry Visit By Faculty Members

Name of the Faculty	Name of the Industry / Research Institute / Lab
Dr. Lakshmi R	IIT Madras & BAUTOMATE, Madurai
Mrs. Somasundari K	Airports Authority of India, Madurai & TPED Offshore, Madurai
Mr. Karuppasamy Pandian	Abserve Tech Pvt Ltd, Madurai & WizInoa Private Limited, Madurai
Mrs. P. Mohana Priya	Covenant Technologies Pvt Ltd, Madurai

Events Organised

- Cyber Link Quiz based Competition was conducted by CYBER NEXUS Association for II Year students on 09.08.2025.
- Cyber Charade was conducted by Cryptora Club on 23.08.2025 for II year students.
- Cyber Campus was conducted by Cryptora Club 23.08.2025 for III year students.
- Build-a-Bot was conducted by CYBER NEXUS Association for II Year students on 15.09.2025.
- APTICRACK-Quiz was conducted by CYBER NEXUS Association for II Year students on 27.09.2025.
- Key Crack - Paper Presentation was conducted by Cryptora Club for III Year students on 15.09.2025.
- BITS & BYTES - Connecting tech images was conducted by Cryptora Club for III Year students on 27.09.2025.
- Cryptic canva was conducted by CYBER NEXUS Association for II Year students on 11.10.2025.
- Wings of Fire : Showcase your talent was conducted by Cryptora Club for III Year students on 16.10.2025.
- "Secure IT" and "Code & Counter" on 14.03.2026 to enhance cybersecurity awareness and programming skills.
- The Cryptora Club conducted "Cyber Court" on 28.02.2026 focusing on cyber laws and ethical practices.

Journals

- Dr. L. Selvam, "A deep learning model for investment scam prevention in financial systems: Autoencoder-based anomaly detection," IEEE Xplore https://doi.org/10.1109/ICICI65870.2025.11069456.
- Dr. L. Selvam, "A secure system for accessing big data over the scattered cloud information center using C-Hadoop," Journal of Machine and Computing,Doi:https://doi.org/10.53759/7669/jmc202505154.

Conferences

- Dr. L. Selvam, "A unified deep learning model for fake account identification using transformer-based NLP and graph neural networks," in Proc. 8th International Conference on Inventive Computation Technologies (ICICT 2025), IEEE, 2025.
- Dr. L. Selvam, "Brain imaging and GRU–CNN hybrid framework for Alzheimer's disease progression analysis," in Proc. 4th International Conference on Sentiment Analysis and Deep Learning (ICSADL 2025), IEEE, 2025.
- Mrs. Sivapriya M. R., "Early cancer detection using multi-omics data integration," in Proc. 2nd International Conference on Emerging Technologies and Innovations for Sustainability, Noida Institute of Engineering & Technology, Nov. 28–29, 2025.
- Dr. L. Selvam, "Neural collaborative filtering for enhanced smart TV recommendation systems," in Proc. International Conference on Intelligent Computing, Information and Control Systems.
- Dr. L. Selvam, "AgriTraceNet: A deep learning and blockchain synergy for intelligent food quality verification," in Proc. International Conference on Intelligent Computing, Information and Control Systems.

Patent

- Dr. Ramya P., "A solar grass cutter with seed sowing mechanism and irrigation," Design Registration No. 456900-001, Design Registered, July 17, 2025.

Books/Book Chapter Published

- Dr. L. Selvam, Exploring Cancer Therapeutics: A Collection of Case Studies. Hoboken, NJ, USA: Wiley, ISBN: 978-1-394-27061-3.

Faculty Achievements

- Dr. L. Selvam - Privacy and Security in Online Social Media - Elite
- Dr. L. Selvam - Introduction to Operating System - Elite
- Dr. L. Selvam - Cyber Security and Privacy - Elite
- Mrs. Sivapriya M R - Privacy and Security in Online Social Media - Successfully completed
- Mrs. Sivapriya M R - Python for Data Science - Successfully completed

Proposals Submitted

- Dr. L. Selvam and Dr. P. Ramya, "Secure AI and IoT Integration in Healthcare: Challenges and Cybersecurity Approaches', ATAL FDP

- Dr. L. Selvam, "Image based Disease Detection leveraging Machine Learning Approaches for the Crops Sunflower", IIT Bombay Chanakya Fellowship, ₹ 1,00,000/-.

Industry Visit By Faculty Members

Name of the Faculty	Name of the Industry / Research Institute / Lab
Dr. Selvam L	Kavells Global Solutions, Madurai & Jeyalakshmi Textile Pvt Ltd, Aruppukottai & Macvel Software Solutions Pvt Ltd, Chennai & Sivakasi
Dr. Balaji A. N	PARLE Biscuit Factory, Madurai & HCLTech, Madurai
Dr. Ramya P	ICMR National Institute of Epidemiology, Chennai
Mrs. Sivapriya M R	Techvolt Software Pvt Ltd, Coimbatore & Evvi Solutions Pvt Ltd, Madurai

Student Achievements

- Sandhiya R – Programming in Java – Elite+Gold
- Santhosh M S – Programming in Java – Elite+Silver
- Raksha C S S – Sports Psychology – Elite+Silver
- Dheeksha J R – Programming in Java – Elite
- Gowsik Raja S, Swetha M, Sivaram A, Visvesh Yasyanth TV – Privacy and Security in Online Social Media – Elite
- Raksha C S S – Ethical Hacking – Elite
- Sayee Naveen JS, Dhanuja KSE – Introduction to Large Language Models – Elite
- Siva Sanjay Muthu T – Cloud Computing – Elite
- Shrija M, Akash N A – Privacy and Security in Online Social Media – Successfully Completed
- Raksha C S S – Cyber Security and Privacy – Successfully Completed
- Cindrella R – Introduction to Large Language Models – Successfully Completed
- Devadharshini K, Monika V – Data Structures and Algorithms Design – Successfully Completed
- Cindrella .R, Dhanuja K.S.E, Nishalini M, Sheayaja Y, Harivishalini T, Jacinth R, Sandhiya.R, Viji.M are the winners at Mini project expo conducted at SRM Madurai College for Engineering and Technology on 11.10.2025.
- Shanmuga Priya V.J & Yoga Sri K.O of III-year CSE (CS) students participated in the TECHNIZ'26 – Syntale event held at Sethu Institute of Technology and secured the First Prize.



Events Organised

- Tech Talk on "Integrating Industry 5.0 and Emerging Technologies" was conducted by Techtelligence Association and Code Crackers Club for II and III year students on 09.08.2025.
- "Coding Competition – CODEATHON" was conducted by Techtelligence Association and Code Crackers Club for II and III year students on 23.08.2025.
- "Twistory and Inquizium", was conducted by Techtelligence Association for III year students on 27.09.25.
- "Digital Detox - Reboot Retreat" was conducted by Techtelligence Association for III year students on 11.10.2025.
- Guest Lecture on "Emerging Software Technologie"s was conducted by code crackers club for II year students on 27.09.25.
- "Innoquest on Enterpreneurship and Innovation" was conducted by Code Crackers Club for II year students on 11.10.2025.
- "Multitalenta'25" Paper Presentation and a Technical Poster Presentation on 14.03.2026 for III-year and II-year students respectively, promoting research and creativity.
- On 28.02.2026, the department conducted "EVO TECH – Industry 4.0 Connect" and "IDEATHONX – Project Presentation Contest", providing insights into emerging technologies and innovation.

Journals

- Dr. J. Jeyaranjani, "Connected power domination number of product graphs," Discrete Mathematics, Algorithms and Applications, vol. 17, no. 07, 2025.
- Dr. M. Sangeetha, "Enhanced phishing URL detection using a novel GRU–CNN hybrid approach," Journal of Machine and Computing, vol. 5, no. 1, p. 89, 2025.

Conferences

- Dr. M. Sangeetha, "Enhancing satellite image classification using vision transformers and deep learning models," in Proc. International Conference on Computer & Communication Technologies, 2025, vol. 1356, pp. 357–371, doi: 10.1007/978-981-96-5238-9_32.
- Mrs Dhivya Bharathi P., "Crime scene object detection for forensic investigations using Faster R-CNN and YOLOv5 models," in Proc. International Conference on Networks and Cryptology (NETCRYPT), 2025, doi: 10.1109/NETCRYPT65877.2025.11102700.

Patent

- Mrs. Divya Bharathi P. – Artificial Intelligence Powered Cognitive Testing Device for Detection of Neurological Disorders – Patent Granted – 23.07.2025

Books/Book Chapter Published

- Mrs. R. Poornima @ Priyanka, 2025, "Modern Approaches to AI and Data Science Engineering". KIWI International Publishing House, ISBN: 978-93-49818-72-9

Faculty Achievements

- Mrs. Divya Bharathi P - Learning Analytics Tools - Successfully completed
- Mrs. Poornima Priyanka R - Data Science for Engineers- Successfully completed

Proposals Submitted

- Dr. J Jeyaranjani and Dr. M Sangeetha, "Empowering Industry 5.0 through Cloud Security and Advanced Practices of AI" ATAL FDP.
- Dr. J Jeyaranjani and Dr. M Sangeetha, "Popularization of Women through Science and Technology" TNSCST FDP.
- Dr. M Sangeetha, "Smart Agri Guard for Real – Time Crop Monitoring" TNSCST.

Industry Visit By Faculty Members

Name of the Faculty	Name of the Industry / Research Institute / Lab
Dr. Jeyaranjani J	KevellCorp Software Company, Madurai & T.S. Srinivasan Centre for Automotive Research (TSSCAR), Madurai
Mrs. R. Poornima @ Priyanka	Quatek Technologies India Pvt Ltd, Madurai & HCL Technologies, Madurai
Dr. M. Sangeetha	Firstcall Automation Pvt Ltd, Madurai & Tacron Robotics Pvt Ltd, Madurai
Mrs. Divya Bharathi P	DRDO – Research Centre Imarat (RCI), Hyderabad & Eicher Motors Pvt Ltd & Tucker Motors Pvt Ltd
Mrs. Jenipa R	KevellCorp, Madurai
Mrs. Sunitha S	Athes Automotive Engineering Pvt Ltd

Student Achievements

- Karthikeyan S – Understanding Incubation and Entrepreneurship – Elite + Gold
- Abitha S – Introduction to Cyber Security – Elite + Silver
- Mithra – Introduction to Industry 4.0 and Industrial Internet of Things – Elite + Silver
- Elamathy E – Introduction to Large Language Models – Elite ▪ Immaculate Gracy R – Introduction to Large Language Models – Elite
- Kavitha S – Privacy and Security in Online Social Media – Elite
- Kiruthika Roshini A – IoT (Internet of Things) – Elite
- Nishanthan S – Social Network Analysis – Elite
- Pradesha S – Python for Data Science – Elite
- Rujmal M – Ethical Hacking – Elite
- Sharmila – Big Data Computing – Elite
- Vikram K V – Social Network Analysis – Elite
- Anandharaj – Introduction to Internet of Things – Successfully Completed
- Arsha A S – The Joy of Computing with Python – Successfully Completed
- Dhivagar S – Cloud Computing – Successfully Completed
- Divya B – The Joy of Computing Using Python – Successfully Completed
- Irene Rachel S – Cloud Computing – Successfully Completed
- Irudhaya Albert A – Cloud Computing – Successfully Completed
- Karpagam S – Joy of Computing Using Python & Cloud Computing – Successfully Completed
- Karthikeyan S – Understanding Incubation and Entrepreneurship – Successfully Completed
- Manjula Devi S – OOPs – Successfully Completed
- Maria Ashly Reni E – Python for Data Science – Successfully Completed
- Mohan Kumar M – Cloud Computing – Successfully Completed
- Naveen N – Cloud Computing – Successfully Completed ▪ Nishanthan S – Ethical Hacking– – Successfully Completed
- Nithish Kumar G – Introduction to Cyber Security – Successfully Completed
- Prathiksha H – Introduction to Soft Computing – Successfully Completed
- Priya Dharshini M – The Joy of Computing Using Python – Successfully Completed
- Rakcha H – Energy Literacy – Successfully Completed
- Roshan B R – Ethical Hacking – Successfully Completed
- Sahana S – Big Data Computing – Successfully Completed
- Shalini B – Joy of Computing Using Python – Successfully Completed
- Shalini Kamatchi A – Joy of Computing Using Python – Successfully Completed

Student Achievements

- Yazhini of II Year B.Tech IT – won 1st Prize in the cultural event "Panchamithra'26" organized by P.A. Engineering College, Pollachi on 14.03.2026.
- Kavitha S & Kowsika K of B.Tech IT – won 2nd Prize in the Debugging event organized by Sri Ramakrishna Institute of Technology, Trichy on 14.03.2026.
- Lathika Leyandra M of III B.Tech IT – won 3rd Prize in the Poster Presentation event at NIT Trichy on 06.03.2026.
- Yasira M of III B.Tech IT – won 3rd Prize in the Paper Presentation event at NPR College of Engineering and Technology on 06.03.2026.
- **S. Chandra Kishore of IV Year IT – secured placement in Edufyi Tech Solutions with a CTC of 7 LPA.**







YAZHI '25

The Department of Information Technology at **SRM Madurai College of Engineering and Technology** successfully organized **YAZHI '25,** a National Level Inter-College Technical Symposium, on **20th September 2025.** Yazhi'25 marked the inaugural edition of the annual symposium, featuring seven events—four technical and three non-technical. The symposium received an enthusiastic response, with 200 participants (155 external and 45 internal) representing several reputed institutions across Tamil Nadu.

The event was presided over by **the Principal, Dr. S. Durairaj,** and coordinated by **Dr. J. Jeyaranjani, HoD/IT.** The **Chief Guest, Mr. Ramkumar Paramathman,** delivered an inspiring address on Artificial Intelligence and technological advancement.





Events Organised

- A Placement Awareness Program was organized for III-year students by the department association Algobrix on 12.08.2025, focusing on career readiness and placement preparation.
- A Mobile App Development Show was conducted on 19.08.2025 for students of all computing departments, with 40 participants showcasing their applications and ideas.
- The Problem Solution Match and Problem Framing Jam events were jointly organized by the Brains Club on 23.08.2025 for II- and III-year students, encouraging structured problem-solving.
- A webinar on "Paper Writing for Beginners" was organized by Algobrix for II-year students on 02.09.2025.
- Another webinar titled "Career Outreach Initiative" was conducted by Algobrix for III-year students on 09.09.2025, highlighting career opportunities and professional pathways.
- A technical event featuring "Mock Prototype or App Sketch" and "Prototype Sprint" was organized by the Brains Club on 13.09.2025 for II- and III-year students.
- A seminar on "Research Ethics Round Table and IP & Research Integrity Simulation" was conducted on 20.09.2025 for II- and III-year students.
- A technical presentation on "Poster & Abstract Peer Review and Polishing" was organized on 27.09.2025 for II- and III-year students to enhance research communication skills.
- A webinar on "AI and Cyber Security" was organized under the department association on 07.10.2025, focusing on emerging trends and challenges in the field.
- A Research Project Showcase was conducted on 11.10.2025 for II-year students, providing a platform to present innovative project ideas and outcomes.
- A Mobile App Launch Event was conducted on 07.11.2025 for students of all computing departments, showcasing student
- "UI Design & Treasure Hunt" on 14.03.2026, encouraging creativity, teamwork, and problem-solving skills.
- A "Dataset to Model – Sustainable AI Mini Hackathon 2026" was conducted on 28.02.2026, enabling students to develop AI-based solutions.

Journals

- R. Deepalakshmi, "Third-Order Neural Difference Equations: Improved Oscillation Criteria via Linearization Method," Carpathian Journal of Mathematics, vol. 41, no. 1, pp. 57–67, May 2025.
- A. Deepika, "Efficient Chaotic Block Encryption in VANET," Transactions on Emerging Telecommunications Technologies, vol. 36, no. 6, Art. no. E70177, May 2025.
- C. Shyamala Gowri, "TRIO-CNN: Detection of Railway Track Objects and Wheel Cracks and Fastener Faults via GAN-Based Super-Resolution Filters," IETE Journal of Research, Oct. 2025,DOI:10.1080/03772063.2025.2540952.

Conferences

- R. Deepalakshmi, "Exploratory data analysis of irrigation management in Madurai," in Proc. Int. Conf. Intelligent Data-Driven Modeling (ICIDDM-2K25), Apr. 11–12, 2025.
- R. Deepalakshmi, "Assessing diabetes management: A comparative study of allopathic, ayurvedic, homeopathic, and siddha treatments based on patient data," in Proc. Int. Conf. Intelligent Data-Driven Modeling (ICIDDM-2K25), Apr. 11–12, 2025.
- R. Deepalakshmi, "Exploratory data analysis on bus travel records from Madurai, Tamil Nadu," in Proc. Int. Conf. Intelligent Data-Driven Modeling (ICIDDM-2K25), Apr. 11–12, 2025.
- R. Deepalakshmi, "Building contractors dataset: Optimizing contractor efficiency through data visualization," in Proc. Int. Conf. Intelligent Data-Driven Modeling (ICIDDM-2K25), Apr. 11–12, 2025.
- R. Deepalakshmi, "Diabetes prediction dataset using support vector machine technique and ensembling method," in Proc. Int. Conf. Intelligent Data-Driven Modeling (ICIDDM-2K25), Apr. 11–12, 2025.

Books/Book Chapter Published

- Mrs. M Surya, Generative AI, Bluepen International Publisher, 2025
- Dr. R. Deepalakshmi, Computer Graphics and Multimedia, Scientific International Publishing House, 2025
- Mrs. A. Deepika Comprehensive Insights into Artificial Intelligence Techniques for Transformer Condition Assessment. Amazon, 2025

Faculty Achievements

- Dr. R. Deepalakshmi – Demystifying Networking – Elite + Gold
- Mrs. A. Deepika – Big Data Computing – Elite + Gold (Topper)
- Mrs. M. Surya – DBMS, Introduction to LLM – Successfully Completed
- Mrs. C. Shyamala Gowri – Mobile VR & AR – Successfully Completed

Proposals Submitted

- Dr.R.Deepalakshmi, "NeoJaundice AI: Development of a Wearable and Mobile-Based AI Solution for Early Detection of Neonatal Jaundice in Low-Resource Settings", AICTE-RPS, ₹ 31,75,000

- Dr. R. Deepalakshmi "Voltsight Development of an AI IoT Based Smart Diagnostic Tool for Real Time Monitoing and Predicitve Maintanance of Distribution Transformers" DST

- Dr. R. Deepalakshmi, "Digitizing Indigenous Knowledge Systems: An AI- Based Framework for Preserving Cultural and Healing Practices among the Toda PVTG of Tamilnadu" ICSSR ₹24,60,000

Industry Visit By Faculty Members

Name of the Faculty	Name of the Industry / Research Institute / Lab
Dr. Deepalakshmi R	Elysium Technologies Pvt Ltd, Madurai & GHCL Textiles Ltd, Madurai & Pinnacle Infotech, Madurai
Mrs. Deepika A	MSME Skill Development Centre, Madurai
Mrs. Pavithra V	Reccsar Private Limited, Madurai
Ms. T. Thenmozhi	Agricultural College & Research Institute (TNAU), Madurai
Ms. M. Surya	Aparajitha Corporate Services Pvt Ltd, Madurai
Mrs. Shyamala Gowri C	TVS Sensing Solutions, Madurai
Dr. S. Suresh Kannan	ORYON (Web Hosting & Cloud Services), Madurai & Bangalore & Singapore

Student Achievements

- Harini T K – Programming in Java - Elite – Gold
- Amirthaa Nikash B, Arshath Abdulla A, Dharun R, Ganesh Kumar S, Harshavarthan S, Ishwariyaa J, Kishore S, Krithiga R, Lakshmi Priya L K, Lokeshraj M, Madhavansundar R, Mohammed Akif A, Monika M, Prajan Kumar S, Ramya M R, Remuki K, Sanjay Yuvanraj B, Saravana Kumar M B, Shaneelee M, Sitharthan M, Vaseiharan R, Velmurugan G - Programming in Java - Elite
- Aarthi G D, Agarshal Isai George J T, Akalya G, Elamathy E, Gayathri S R, Immaculate Gracy R, Jagadha R, Priyadharshini M, Sarvesh B, Seetha Devi M, Shakthi Saran S - Introduction to Large Language Models - Elite
- Aathithya A K, Dharani S, Dhivya Sri S, Gokul R, Gowtham S, Karishma Sri K, Lithisna S, Monika S, Nafha Hizana M, Poornimadevi R S, Pragadeesh S, Shrinithi T R - Social Network Analysis - Elite
- Arthi L S, Dharanidharan M, Manikandan M, Lavanya M A, Jafrin V, Janani Sree A S, Joyshri S - Programming in Java - Silver
- Annie Darling Kanmani A - Introduction to Large Language Models - Silver
- Yuvan Karthick T -Social Network Analysis - Silver
- Sahana M, Saranya K S, Sherin Infantia G, Siddharthan T - Introduction to Large Language Models - Successfully Completed
- Aaditya Srinivasan K S, Abinaya S, Afrin U, Amirthavarshini J, Ashwanth S, Danish Sugarstan S, Deva Dharshan Kumar S, Dharshini M, Dharshini T, Hiruthick T V, Isac Reegan G, Jobila Jesslin J, Shrivinoj K, Sri Haran S - Programming in Java - Successfully Completed
- Naveen K S, Brindha T, Faruk B, Kirthick Kumar N J, Mohamed Irfan M, Mohan Babu G, Nivethithaa P, Ram Visshal G A, Sujitha V - Social Network Analysis - Successfully Completed

- The "Dataset to Model – Sustainable AI Mini Hackathon 2026," conducted on 28 February 2026 in association with AGROBRIX at the AI Builder Lab, witnessed the participation of 44 students and was graced by Chief Guest Mr. Arumugam Subramanian of Larch Technologies. In this event, Saravanakumar M.B, Mohammed Ashraf A, and Sanjay Yuvanraj B (AI&DS – II) secured first place, followed by Veeresh Aarya V, Shri Ganapathi V R, and Uvan M (CSE – II) in second place, and Remuki K, Ramya M R, and Monika M (AI&DS – II) in third place.
- Additionally, the department organized a "UI Design & Treasure Hunt" event on 14 March 2026 for second-year students under the ALCOBRIX association, with 55 participants. The event provided a dynamic platform for students to demonstrate their creativity, design thinking, teamwork, and problem-solving skills through interactive activities, contributing to their overall technical and professional development.





Events Organised

- The Maths Shortcut Tricks session and Rows to Rates activity was organized by the Mathematics Club on 09.08.2025, with 52 students participating.
- A Quantitative Aptitude Workshop was conducted by the Mathematics Club on 23.08.2025, benefiting 102 students.
- A Drawing Competition was organized by the RRR (Reduce, Reuse and Recycle) Cell on 26.08.2025, with 45 students participating.
- A Diagnostic Test on Communication Skills and Aptitude was conducted by the Career Development Cell on 28.08.2025, with 21 students participating.
- The Orientation Programme and Inaugural Session was organized by the Science Club and A Quiz on Differential Equations was organized by the Mathematics Club on 13.09.2025, with the participation of 42 students.
- The Eluthukalai programme was conducted by the Tamil Club on 13.09.2025, with 100 students participating.
- A Booster Session on Tenses and Articles was organized by the Career Development Cell on 12.09.2025, benefiting 21 students.
- The Maths Treasure Hunt, Puzzle Solving activity and Group Discussion was conducted by the Mathematics Club on 27.09.2025, with 72 students participating.
- The Neengalum Pechalaragalam programme was organized by the Tamil Club on 27.09.2025, engaging 27 students.
- A Quiz Competition was conducted by the RRR Cell on 30.09.2025, engaging 54 students.
- Hygiene Day 2025 was observed by the NSS Unit on 10.10.2025, with 50 students participating.
- The Mathematical Connection programme was organized by the Mathematics Club on 11.10.2025, engaging 37 students.
- The Sci-Mind 25 Quiz Competition was conducted by the Science Club on 11.10.2025, in which 10 teams comprising 30 students actively participated. A Seminar on Reducing Water and Energy Usage in Daily Life (3R's Approach) was organized by the RRR Cell on 08.10.2025, benefiting 75 students.
- A session on Attitude for Success was organized by the NSS Unit on 15.10.2025, benefiting 124 students.
- A Resume Writing session was conducted by the Career Development Cell on 20.10.2025, with 21 students participating.
- The SRM Panch Minute programme was organized by the Fine Arts Club Association on 31.10.2025, with the participation of 121 students.
- The Neengalum Kavigaragalam programme was conducted by the Tamil Club on 01.11.2025, with the participation of 150 students. ▪ The Zero Waste Model activity was conducted by the RRR Cell on 05.11.2025, with 16 students participating.
- A Motivational Session on Start-up and Entrepreneurship was organized by the Institution Innovation Council (IIC) on 15.11.2025, benefiting 140 students.
- The Math Talenzia 2025 event was conducted by the Mathematics Club on 15.11.2025, engaging 45 students
- The Aryabhatta Math Club conducted a workshop on "Vector Space in MATLAB" on 14.03.2026 to enhance mathematical understanding through practical applications.
- The RRR Cell organized a World Water Day Rally on 23.03.2026 at Kattammankottai Village on the theme "Water & Gender," promoting environmental awareness.
- An Elocution Event on Sustainability was conducted on 10.03.2026 to encourage eco-conscious thinking among students.

Journals

- Prema Sumathi, K. Iyappan, M.H.A. Aysha Chithukka – Fast Generation of K-Secluded Vertex Sets for Fuzzy Graph Partitioning Subject to Forbidden Induced Subgraphs, Communication on Applied Nonlinear Analysis, 32 and 7, 296–304 (2025).
- M. Ananda Kumar, Deviprasad, T. Kumaresan, S. Jayachitra, N. Parthibae, L. Mayavaf, T. Ganesan – Advanced Electrochemical Catalysts System for Efficient Persulphate Activation in Wastewater Treatment, Oxidation Communications, 48 nand 1, 45–55 (2025).
- V. Jeyabalaji, A. Kumaresan, P. Tharcis, A.N. Balaji, M. Ananda Kumar – Acalypha Indica Root Fibre in Polymer Composite Mechanical Characterization, Journal of Polymer and Composites, Volume 13, Special Issue 03, 512–522 (2025).

- M. Anandakumar – Lanthanum Oxide Nanoparticles Synthesis Using Plant Extracts: A Greener Approach, Journal of Molecular and Engineering Materials, 2550012, 1–7 (2025).
- Dr. P. Gandhimathi – Solar Energy and Visible Light Communication for Eco-Friendly Communication Systems – An Overview, IEEE Xplore,(2025).
- Dr. R. Manjula – Computational & Experimental Investigation of Biogenic Zinc Oxide Nanoparticles Synthesised from Clausena Dentata Leaf, Food Bioscience, Vol. 68, 106371 (2025).
- Dr. R. Manjula – High Sensitivity Detection of Neurodegenerative Cyanotoxins in Cycas Circinalis and Symbiotic Cyanobacteria Dolichospermum Circinalis Using Advanced LC-MS/MS and HR-MS with Toxicological Assessment via Artemia Bioassay, Chemistry and Biodiversity, DOI: 10.1002/cbdv.202500988, 1–13 (2025).
- Archana Sasi, Chandrasekar Venkatachalam, R. Sathish Kumar, V. Jeevanantham – Integrating Optimal Prediction Model with Hybrid Deep Learning for Coated Metal Oxide Nanoparticle Drug Delivery Systems, Computers in Biology and Medicine, Volume 198, Part B, November 2025, 111229 (2025).
- V. Jeevanantham – Green Synthesis of Zero-Valent Tellurium Nanoparticles via Acalypha Indica Leaf Extracts and Its Application for Photocatalytic Degradation of Safranin O Dye in Aqueous System, Chemistry Select, Volume 10, Issue 34, September 8, 2025, e00910 (2025).
- Usha, R. Jegathessan, D. Gopi, V. Jeevanantham – Bixa Orellana Seedpods Derived Activated Carbon via Phosphoric Acid Activation for Supercapacitor Electrode Applications, Journal of the Indian Chemical Society, Volume 102, Issue 10, October 2025, 102015 (2025).
- Anusuya A., Martina Jency J., Babisha Julit R.L. – Pentapartitioned Fermatean Neutrosophic Soft-Rough Set and Its Applications, South East Asian Journal of Mathematics and Mathematical Sciences, Vol. 21, No. 2, 307–316 (2025).
- D. Malathy – Advanced Microscopic Characterization and Antimicrobial Applications of Green-Synthesized Zinc Oxide Nanoparticles in Clinical Wound Healing Bandages, Microscopy Research and Technique, Volume 88, Issue 12, 3099–3104 (2025).

Books/Book Chapters Published

- Dr. M. Anandakumar – Group Theory and Quantum Chemistry, Alpha International Publisher.
- Dr. M. Anandakumar – A Text Book of Engineering Chemistry, Kiwi Publishing House. ▪ Dr. P. Gandhimathi – Quantum Computing, Brown Page Publication.
- Dr. P. Gandhimathi – Applied Physics, Brown Page Publication.
- Dr. R. Manjula – Foundations of Research Methodology: Principles and Practices, Notion Press.
- Dr. R. Manjula – Human Anatomy and Physiology – II, Notion Press.
- Dr. R. Manjula – Food Quality Control, Notion Press.

Faculty Achievements

- Dr. G. Pandimeena – Physics of Functional Materials & Devices – Elite + Silver
- Dr. A. L. Subramaniyan – Selection of Nanomaterials for Energy Harvesting and Storage Application – Elite + Silver
- Dr. Anusuya A – Introductory Course in Real Analysis – Elite
- Dr. Prema Sumathi R – Mathematics for Machine Learning – Elite
- Dr. Manjula R – Transition Metal Organometallic Chemistry: Principles to Applications – Elite
- Dr. D. Malathy – Metals in Biology – Elite
- Dr. M. Senthamizh Selvi – Nanotechnology: Science and Applications – Elite
- Dr. E. Sankari Devi – Introductory Organic Chemistry II – Elite
- Dr. S. Sivaprakash – Energy Materials and Devices – Elite
- Mrs. Keerthana K – Sports and Performance Nutrition – Elite
- Dr. S. Anitha – Numerical Methods – Successfully Completed
- Dr. S. Rajkumar – Energy Conversion Technologies (Biomass and Coal) – Successfully Completed
- Dr. A. Nagarani – Numerical Methods – Successfully Completed
- Dr. M. Angala Eswari – Matrix Analysis with Application – Successfully Completed
- Dr. Megala M – Experimental Physics I – Successfully Completed
- Dr. K. Poovendran – Sensor Technologies: Physics, Fabrication, and Circuits – Successfully Completed

Proposals Submitted

- Dr. K. Poovendran (S&H) – AICTE RPS (RPS-1-5729671-2025-3680) – Design Optimization of 3D-Printed Porous/Honeycomb Structures for Biomimetic Ceramic Scaffolds Using AI-Guided Approaches – 24.42 Lakhs.
- Dr. V. Jeevanantham – Quantum Stimulated Plant Mediated Nano-materials for AI Assisted Bio-sensing, Environmental Remediation and Energy Storage – Department of Biotechnology, Ministry of Science and Technology – 69 Lakhs.
- Dr. S. Anitha (Co-PI, S&H) – Enzyme-Immobilized Micro Reactor Biosensors: Hybrid Modeling with Neural Network – ANRF/ARG-MATRICS

Industry Visit By Faculty Members

Name of the Faculty	Name of the Industry / Research Institute / Lab
Dr. Ananda Kumar M	CSIR–CECRI (Electrochemical Power Sources)
Dr. Malathy D	Department of Physical Chemistry, MKU, Madurai
Dr. Manjula R	NIT Trichy
Dr. Rajkumar S	Micro Chemicals Co., Kappalur, Madurai
Dr. Sandhimathi P	JSW Energy Wind Power Production, Dharapuram, Tiruppur
Dr. Pandimeena G	TVS Sensing Solutions, Madurai
Dr. Poovendran K	CSIR–NIIST, Thiruvananthapuram

Name of the Faculty	Name of the Industry / Research Institute / Lab
Dr. Ananda Kumar M	CSIR–CECRI (Electrochemical
Dr. Malathy D	Department of Physical Chemistry,
Dr. Manjula R	NIT Trichy
Dr. Rajkumar S	Micro Chemicals Co., Kappalur, Madurai
Dr. Sandhimathi P	JSW Energy Wind Power Production,
Dr. Pandimeena G	TVS Sensing Solutions, Madurai
Dr. Poovendran K	CSIR–NIIST, Thiruvananthapuram
Dr. Senthamizh Selvi M	CIF Labs – Central Electrochemical
Dr. Sivaprakash S	Department of Materials Science,
Dr. Subramaniyan A L	Material Science Division, School of
Dr. Bhoomeeswaran H	MKU, Madurai
Dr. Angala Eswari M	Srinivasa Ramanujan Centre, SASTRA
Dr. Anitha S	Kaizen Technologies Pvt Ltd, Bangalore
Dr. Anusuya A	Mathematics Research Centre, Amrita Vishwa
Dr. Indira K	Department of Mathematics, Madurai
Dr. Philomenal Karoline J	Thiagarajar College of Engineering Research
Dr. Prema Sumathi P	National Centre for Mathematics (NCM)
Dr. Naganathan R	Akira Software Solutions Pvt Ltd,
Dr. Vinoth R	District Central Library, Sivakasi

Events Organised

- A guest lecture on "Problem Solution Fit – Decoding Smart Decisions" was organized by Nexus Association, on 26.11.2025.
- The Zenith Club organized a seminar on "Digital Business" on 23.08. 2025.
- The Zenith Club conducted a talk on HR Analytics and a debate session on the 13.09. 2025.
- A group discussion session was held on the 21.09. 2025.
- A discussion on GST Implementation and Its Aftermath was conducted on the 27.092025.
- A session on Aptitude Skills for Placements was conducted on the 25.10.2025.

Publications

- Hari Sundar G., Rajesh Kumar Sandhya S. – Study on Compulsive Purchase Tendencies among Consumers, International Journal of Commerce, Arts and Science, Vol. 16, Issue 7, 209 (2025).
- Nandhini B. – Organisational Culture and Its Social Impact on Employee Commitment and Performance, SEEJPH, Vol. 26, 68 (2025).
- P. Raja, Charudatta K. – Quantitative Methods in Biological Sciences – Tools for Data Analysis and Interpretation, Journal of Neonatal Surgery, Vol. 14, Issue 24, 825 (2025).

Books/Book Chapter Published

- Dr. Nandhini. Text on Principles of Management. RC Hub Publishers.
- Dr. B. Nandhini. "Book Chapter on Moonlighting Concept." In Book Title, Avon Publishing, New Delhi.

Faculty Achievements

- Dr.P.Raja- Predictive analytics - Successfully completed
- Dr.Nandini - AI in Human Resource Management - Successfully completed
- Dr.M.Pradeeba - Human Resource Management - Successfully completed
- Dr.J.P.Renin - Strategic Management - Successfully completed

Industry Visit By Faculty Members

Name of the Faculty	Name of the Industry / Research institute/ Research Lab
Ms.Nandhini B	ADR Plastics, Kappalur ,Madurai
Dr.Raja P	Aanji Spring Products, Chennai
Dr.Renin J P	Hi-Tech Arai Pvt. Ltd, Madurai



Institution's (IIC) Innovation Council

The Institution's Innovation Council (IIC) has played a vital role in fostering creativity, innovation, and entrepreneurship on campus. The various technical activities conducted under the department have a direct link to the objectives of IIC. The workshops, seminar, technical activities continuously support in providing training, mentorship, and resources that enable both students and faculty to explore new ideas and translate them into impactful solutions. The collaborative environment, exposure to external experts, and encouragement from leadership have inspired members to actively participate in innovation driven activities. Overall, IIC has successfully cultivated a strong culture of innovation and transformed the campus into a hub of entrepreneurial energy.

Events Organised (MOU)

One Day Seminar on Map Creating using Advanced Technology was Organized by Office of Corporate Relations in Association with Land Coordinate Technology on 15.09.2025 for II & III Year students of Civil and EEE.





MoU

Vi Microsystems Pvt Ltd

Garuda Aerospace

IPCS Global Solution Pvt Ltd

Land Coordinate Technology

Tamil Nadu Technology (iTNT) Hub

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