



# VCET

Empowering the Next Generation



# Velalar College of Engineering and Technology

(Autonomous)

# Newsletter

## INTERNAL QUALITY ASSURANCE CELL (IQAC)

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## MESSAGE FROM THE PRINCIPAL

I take great pride in the manner in which our institution remains firmly rooted in its core values while continuously embracing innovation. This quarter reflects remarkable progress, with visible improvements and a spirit of creativity evident across the campus.

Our students continue to set higher benchmarks, excelling not only in academics but also in co-curricular and extracurricular pursuits. These accomplishments are made possible through the unwavering dedication of our faculty members. Their efforts in nurturing curiosity, guiding students, engaging in research, and maintaining a student-centric approach remain the cornerstone of our academic excellence. During this period, we have also strengthened our industry collaborations through workshops, technical visits, internships, and real-time projects. These initiatives provide our students with valuable hands-on experience, effectively bridging the gap between classroom learning and real-world applications. It is encouraging to witness their rapid adaptability and proficiency in emerging technologies across core engineering domains, circuits, networking, and artificial intelligence.

I appreciate our students, faculty, parents, and industry partners for their continued support and belief in our vision. Let us sustain this momentum and strive for even greater achievements in the months ahead.



### ACADEMIC CONCLAVES IN VCET

(Programs organized (Grants Received / Seminars / FDPs / Guest Lectures / Workshops), Association Activities, Placement Activities, Students Activities (NPTEL / Seminars / Internships / Paper Presentations / Sports / Prize Winners))

## DEPARTMENT OF BIOMEDICAL ENGINEERING

### Programs organized:

- IEEE student branch organized a Workshop on 'First Step to Backend: Build Your First REST API' on 01.07.2025. Ms.P.S.Abhinaya, Software Engineer, Codemagen Technologies, Bengaluru, was the resource person.
- IEEE student branch conducted an Inhouse Seminar on 'Recent Advances in Biomedical Instruments' and 'Artificial Intelligence (AI) in Medical Diagnosis' on 10.07.2025. Ms.N.Chellammai, Executive Member, IEEE SB-EMBS, Third Year BME Student, VCET & Ms.C. Deepika, Executive Member, IEEE SB-EMBS, Third Year BME Student, VCET were the organizers.
- IEEE student branch organized a Guest Lecture on 'Medical Devices Regulatory Affairs' on 12.07.2025. Ms. G. Meenakshisundari, Assistant Manager, Samsung Electronics India Ltd., was the Chief Guest and resource person.
- IEEE student branch conducted an Inhouse Seminar on 'Robotic Surgical Instruments' and 'Wearable Health Devices' on 16.07.2025. Ms. S. Nandhini, Executive Member, IEEE SB-EMBS, Third Year BME Student, VCET & Ms.R.Prithika, Third Year BME Student, VCET were the organizers.
- IEEE student branch organized a Guest Lecture on 'Role of Nanotechnology in Modern Medical Field' on 18.07.2025. Dr. Sharon George, Research Scientist, Bidesign Innovations Lab, Bengaluru, was the Chief Guest and resource person.
- IEEE student branch organized a Guest Lecture on 'Evaluation of Dynamic Rehabilitation Techniques and Physiotherapy Devices: Regulatory Affairs and Quality Assurance' on 19.07.2025. Mr. K. Vinothkumar, Managing Director, KAV Biomedical Equipment Training and Education, Madurai, was the Chief Guest and resource person.
- IEEE student branch organized a Guest Lecture on 'Career Opportunities and Importance of Value-Added Programs' on 22.07.2025. Ms. G. Gayathri Priyadarshini, Chief Technical Officer, Arimed Tech Solutions, Coimbatore, was the Chief Guest and resource person.
- IEEE student branch conducted an Inhouse Seminar on 'Self-Confidence' and 'Tissue Engineering' on 25.07.2025. Ms. T. Gunarithanya, Executive Member, IEEE SB-WIE, Third Year BME Student, VCET & Ms. G. V. Kowshikaa, Committee Member, IEEE SB-EMBS, Third Year BME Student, VCET were the organizers.
- IEEE student branch conducted an Inhouse Seminar on 'Neuroengineering and Brain-Computer Interface' and 'Soft Tissue Replacement' on 01.08.2025. Ms. M. Srinithi, Third Year BME Student, VCET & Mr. M. Ajay Kumar, Executive Member, IEEE SB-WIE, Third Year BME Student, VCET were the organizers.
- IEEE student branch conducted an Inhouse Seminar on 'The Psychology of Procrastination' and 'Robotics' on 09.08.2025. Ms. P. Brinta, Executive Member, IEEE SB, Third Year BME Student, VCET & Ms. V. Madhumathi, Third Year BME Student, VCET were the organizers.
- IEEE student branch organized an event titled 'SPARKATHON – 2K25' on 13.08.2025. Mr. T. Dharani, Chairperson, IEEE SB-EMBS, Fourth Year BME Student, VCET coordinated the event.
- IEEE student branch conducted an Inhouse Seminar on 'Nanotechnology' and 'Wearable Sensors' on 16.08.2025. Ms. R. B. Elamathi, Third Year BME Student, VCET & Ms. V. Dharashini, Third Year BME Student, VCET were the organizers.
- IEEE student branch organized an Inhouse Seminar on 'Robotics in Medical Field' and 'Robotics in Agriculture' on 23.08.2025. Ms. M. Geethapriya, Third Year BME Student, VCET & Ms. M. Geetha, Third Year BME Student, VCET were the organizers.
- IEEE student branch conducted an Inhouse Seminar on 'Role of Wearable Devices in Monitoring Health' and 'Role of AI in Early Disease Diagnosis' on 20.09.2025. Ms. V. Dhivyadharshini, Third Year BME Student, VCET & Ms. K. Amosani, Third Year BME Student, VCET were the organizers.
- IEEE student branch organized a Technical Event titled 'TechGen – 2K25' on 23.09.2025. Mr.T. Dharani, Chairperson, IEEE SB-EMBS, Fourth Year BME Student, VCET coordinated the event.
- IEEE student branch conducted an Inhouse Seminar on 'Brain-Computer Interface: Bridging Mind and Machine' and 'Decoding the Heart: Working and Application of ECG Machine' on 23.09.2025. Ms. P. Kadambari, IEEE Member, Second Year BME Student, VCET & Ms. M. Guha Priyaa, IEEE Member, Second Year BME Student, VCET were the organizers.
- IEEE student branch conducted an Inhouse Seminar on 'Telemedicine and Remote Patient Care' and 'Nano Robots in Medicine' on 27.09.2025. Ms. P. S. Kamali, IEEE Member, Second Year BME Student, VCET & Ms. M. Madhumithra, IEEE Member, Second Year BME Student, VCET were the organizers.

- IEEE student branch organized an Inhouse Seminar on 'Wave-Based Drug Delivery System' and '3D Bioprinting' on 28.09.2025. Ms. M. Gayathri, Second Year BME Student, VCET & Ms. S. Srimathi, Second Year BME Student, VCET were the organizers.

#### Association Activities:

- BIONIKX – The Department Association of Biomedical Engineering, VCET, organized the Inaugural Function on 18.07.2025. Dr. Sharon George, Research Scientist, Biodesign Innovation Labs, Bengaluru, was the Chief Guest and resource person.
- BIONIKX organized an Online Webinar on 'From Origin to Innovations: The Journey of Biomedical Engineering' on 02.08.2025. Mr. K. Gaushik, Expert Edge Medical Innovations, Chennai, was the resource person.
- BIONIKX conducted a Guest Lecture on 'Role of IVD and Neurology Equipment in Medical Field' & 'Career Opportunity in Medical Field' on 09.08.2025. Mr. K. Mahesh Chandran, Customer Support Engineer, Nihon Kohden India Pvt. Ltd., Vellore, was the Chief Guest and resource person.
- BIONIKX organized a Guest Lecture on 'Role of Biomedical Engineers in Healthcare' on 14.08.2025. Mr. S. Jayakrishnan, Senior Sales Manager, Nayel Medical, Amity University, Dubai (UAE), was the Chief Guest and resource person.
- BIONIKX organized an Orphanage Visit to Mariyalaya Children's Orphanage, Kaspapettai, Erode, on 15.08.2025. Students of Biomedical Engineering actively participated and contributed to the visit.
- BIONIKX conducted a Three-Day Workshop on 'Critical Care Equipment: Hands on Troubleshooting and Maintenance' from 25.09.2025 to 27.09.2025. Mr. S. Kumaravel, Operational Manager, Mediowel, Erode, was the resource person.

#### Students Activities:

- Kamali P S from II BME presented a paper and won 1st prize on 'TERAHERTZ' at Innoverse - Paper Presentation held at VCET, Erode on 15.09.2025.
- Vaishnavi K S from III BME won Silver in 'Ball Badminton' at District Level Competitions held at 'The Chief Minister's Trophy Games' on 01.09.2025.
- Narmatha S, Nandhini S and Prithika R won 2nd prize on 'Smart Urban Flood Management' at Analyse Case Study Event organized by IIT PALS held at VCET, Erode on 23.09.2025 to 26.09.2025.
- Kamali P S and Guhapiyaa M from II BME presented idea on 'Healing Hands' at Thiruvathon 2025, Idea Pitching Contest held at PSGCAS, Coimbatore & TN Startup, FICCI-Coimbatore Chapter on 12.08.2025.
- Ganga Prasanthan from II BME participated and presented paper on 'Capsule Endoscopy' at Innoverse - Paper Presentation held at VCET, Erode on 15.09.2025.
- 6 students from II BME presented an idea on 'Culture Bites' at Internal Hackathon 2025 held at VCET, Erode from 16.09.2025 to 18.09.2025.
- 6 students from II BME presented an idea on 'Mind over Chatter' at Internal Hackathon 2025 held at VCET, Erode from 16.09.2025 to 18.09.2025.
- 6 students from II BME presented an idea on 'Novus' at Internal Hackathon 2025 held at VCET, Erode from 16.09.2025 to 18.09.2025.
- 6 students from II BME participated in 'The Role of Engineering in Entrepreneurship: Building Your Own Startup' at IEEE Quarter Tech Talk Table 18.0 held at KPRIT, Erode on 26.09.2025.
- 9 students from III BME participated in workshop on 'Medical Coding' at Though Flows on 05.07.2025.
- 5 students from III BME participated in webinar on 'Professional Career Counselling' at Elewayte on 20.07.2025.
- Narmatha S from III BME participated in webinar on 'Scope of AI in Healthcare and Medicine' at New Clinicians on 27.07.2025.
- Narmatha S and Nandhini S from III BME participated in workshop on '60-Minute AI Challenge – Placement Workshop' at Dream Coders on 27.07.2025.
- Prithika R from III BME participated in webinar on 'Air Supremacy & Strategy: The IAF in a New Age' held at Global Affairs & Diplomacy Research Centre, India on 02.08.2025.
- 27 students from III BME participated at 'Internal Hackathon 2025' held at VCET, Erode from 16.09.2025 to 18.09.2025.
- Vaishnavi K S from III BME underwent Practical Training program on 'Onsite-Clinical Laboratory Equipment Hands-On Training & Its Troubleshooting Techniques' held at KAV Biomedical, Madurai on 24.08.2025.
- Nandhini S, Narmatha S, and Rithika Sree S from III BME participated in 'World Hepatitis Day – Quiz Series' at KPRIET, Coimbatore on 28.07.2025.
- Prithika R, Dhivyadharshini V and Kaviashree Rangasamy from III BME participated in 'English Elocution' at Fine Arts Club, VCET, Erode on 12.08.2025.
- Prithika R from III BME participated in Quiz on 'Partition Horrors Remembrance Day' at Indira Gandhi National Centre for Arts, Ministry of Culture, India on 14.08.2025.
- Narmatha S and Nandhini S from III BME participated in Quiz 'Viksit Bharat Young Leaders Dialogue (VBYLD) 2026' – Online Quiz conducted by the Ministry of Youth Affairs & Sports on 26.09.2025.
- Karishma Selvam S, Kishore Kanna E R, and Nithya K from IV BME participated in workshop on 'Pitch Fest' held at IIT PALS & Anna Incubator, Chennai from 01.08.2025 to 02.08.2025.
- Pavalakodi S, Sri Dharshini T, Swetha G, and Tamil S from IV BME presented a paper on 'Fall Detection and Prevention Using MEMS Sensor and Galvanic Vestibular Stimulation' at 3rd International Conference on Computational Applied Sciences and its Applications held at University of Engineering & Management, Jaipur from 20.09.2025 to 21.09.2025.

## DEPARTMENT OF CIVIL ENGINEERING

#### Association Activities:

- The Renowned Association of Civil Engineers (RACE), was inaugurated on 22.07.2025 for the academic year 2025 - 2026. Er.P.Ramachandran, Founder, M/s.Cellcon Precast LLP, Coimbatore was the chief guest and delivered a special lecture on 'Precast Building Technology: A Game - Changer in Construction Industry'. 107 Students were benefitted.
- A two-day workshop on '3-Dimensional software – AutoCAD', was held on 31.07.2025 & 01.08.2025. Theoretical and hands-on training were provided by Mr. Adhavan, Managing Director and Mr.Karthikeyan, Training Engineer at Big Learn, Erode. The various topics were covered like the conversion of pictorial views to orthographic views, sectional orthographic views and isometric views.
- One week Value Added Course titled 'Tekla Structures' was conducted from 08.09.2025 to 13.09.2025 and 15.09.2025. Er. Muruganantham, Managing Director, M/s. Industrial Based Education and Training, Erode was the resource person. 31 Students successfully completed this Value Added Course.
- A guest lecture titled 'Non-Destructive Testing (NDT) Techniques' was delivered by Dr.P.Rama Mohan Rao on 08.08.2025. He showcased advanced tools and methodologies for evaluating structural integrity without damaging/disturbing the structure.
- A technical visit to the Railway training institute Erode on 23.07.2025 for third-year students (Batch 2023-27). This visit helps to bridge the gap between theoretical knowledge and practical applications about railway infrastructure and permanent way components.
- A technical visit has been arranged for the third year students (Batch: 2023-27) to the proposed construction site of MBA block at VCET campus, Thindal on 22.08.2025. Students got firsthand experience about the Geotechnical investigation methods.
- A technical visit has been arranged for third year students (Batch: 2023-27) to the on-going construction of indoor sports court at VCET campus, Thindal on 11.09.2025.
- An industrial visit has been arranged for second year students (Batch 2024-28) to Cheruthoni and Idukki dam, Kerala on 20.09.2025. Students got an exposure to large-scale hydroelectric infrastructure and understand dam engineering and water management systems.



### Placement Activities:

- Nitinkumar S and Sree Shanth T of final year Civil have received internship cum placement offer from M/s.GravityeX Technologies Private Limited, Perundurai.
- Meanaka D, Sakthi R & Sri Gayathri K of final year Civil have received internship cum placement offer from M/s. Buildaid Engineers Private Limited, VCET Campus, Erode.
- Boobalan D, Dinesh L, Sajith D, Sudhakaran S and Tamilselvan G have received internship cum placement offer from M/s. Ramalingam Construction Company Private Limited, Bangalore.
- Lalithkishore A P, Jeevanandam P, Kirthik Roshan A, Mahalakshmi E, Narendhirapriya M, Subasri A, Swathi S and Vanthana V S have received internship cum placement offer from M/s. Besten Engineers & Consultant India Private Limited, Chennai.
- Jeevanandam P has received placement offer from M/s. AP Associates Structural Consultants, Perundurai.

### Students Activities:

- S.Vasanth Adhithya of third year won the 2nd prize in the "Innoverse" an interdepartmental event organized by Emerflux Association - VCET on 15.09.2025.
- S.Vasanth Adhithya and S.Varshini received the Best IEI student member Award from the IE (I) Erode Local Centre during the 58th Engineer's Day celebration on 17.10.2025.

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### Association Activities:

- The CSE Association of CSE "MAGNUMOPUS" organized an Inaugural Function on 24.07.2025
- The CSE Association of CSE "MAGNUMOPUS" organized an Orientation Program on 09.07.2025
- The CSE Association of CSE "MAGNUMOPUS" organized an event "Quiz Spark 2025" on 14.08.2025
- The CSE Association of CSE "MAGNUMOPUS" organized a TechSpark'25-Paper Presentation event on 27.09.2025

### Tech Crew Club:

- Organised an Event "Git Fprge" on 31.07.2025 for core members and members.
- Organised an Event "Thinkathon" on 22.08.2025 for core members and members.
- Organised an Event "NextGen" on 13.09.2025 for core members and members.

### Data Pirates Club:

- Organised an Event "Unlocking the Unknown" on 22.7.2025 for core members and members.
- Organised an Event "Pirates of Pytools" on 13.8.2025 for core members and members.
- Organised an Event "Level up 2025: Carrier breakthroughs and Immersive Technologies" on 22.7.2025 for core members and members.

### Hackers Bay Club:

- Organised an Event Introduction to Ethical Hacking and Cyber Laws on 31.07.2025 for Core members and 55 Second year students.
- Organized an Event Role of Ethical Hacking in Cyber security on 22.08.2025 for Core Members and 47 Second year students.

### Club Mindcraft AI:

- Organized a seminar "AI Tools for the Next Generation" on 7.8.2025.
- Organized a hands-on "Data Preprocessing Pipelines in AI" on 2.9.2025.

### Placement Activities:

- Swetha P and Dhaniksha K S , Final CSE got placed in 'KAAR Technologies', Chennai, for the position of SAP Analyst, Cost To Company and was offered 6.00 lakhs per annum.

- Dhivya Bharathi N, Final CSE got placed in 'Codingmart (Finest Coder)', Chennai, for the position of Trainee Developer, Cost To Company and was offered 4 lakhs per annum.
- Harshini V M , Final CSE got placed in 'BluBridge Technologies', Chennai, for the position of Trainee Developer, Cost To Company and was offered 4 lakhs per annum.
- Ayesha Shifa A, Ilakkiya S , Jyoshna A, Merlyn A S , Sahithya S L , Harshini V M , Varshini S V and Sakthi varshaa R got placed in 'Hexaware Technologies', Chennai, for the position of Trainee Developer, Cost To Company and was offered 4 lakhs per annum.
- Varshini S V, Kavya T and Maunne Shri M Final CSE got placed in 'Lumen Technologies', Bangalore, for the position of Trainee Developer, Cost To Company and was offered 7 lakhs per annum.
- Abinaya S , Final CSE got placed in 'Glenwood Systems', Chennai, for the position of Trainee Developer, Cost To Company and was offered 3 lakhs per annum.
- Abinaya J, Biravin kumar S and Dinesh S V , Final CSE got placed in 'Jilaba Software Solutions', Chennai, for the position of Trainee Developer, Cost To Company and was offered 3 lakhs per annum.

### Students Activities:

- Gandhimathi K of participated in the 'TRIO TALES' organised by Rotaract Club of Velalar College of Engineering and Technology on the occasion of World Photography Day on 23.8.2025 and secure Third Place.
- Ahalya S of a proud member of Rotaract Club of VCET participated in Peace 3203-International Peace Day Celebration 2025 through World Record Human Formation of Peace Symbol, organized by Rotary & Rotaract International District 3203 on 21.09.2025 at Revathi Institution, Tiruppur.
- Hindhu A of a proud member of Rotaract Club of VCET participated in Peace 3203-International Peace Day Celebration 2025 through World Record Human Formation of Peace Symbol, organized by Rotary & Rotaract International District 3203 on 21.09.2025 at Revathi Institution, Tiruppur.

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### Programs organized:

- IEEE Student Branch and IEEE power and energy society organized knowledge sharing session on "PCB Design using KICAD software" delivered by Mr. G.Sumeet Sahu, IEEE-PES chairperson, Final year EEE, VCET on 21.08.2025 and "PLC Automation" delivered by Ms.S.Kiruthika, IEEE PES Executive Member, Third Year EEE, VCET on 25.08.2025.
- EEE-EDC-IIC Organized special lecture on the "ELECTRICAL ENTREPRENEURSHIP PROJECTS" by Mr.V.Sabarivelu, Assistant Professor/EEE, Velalar College of Engineering and Technology, Erode. On 25.09.2025.
- EEE-EDC-IIC Organized special lecture on the "STRATEGY FOR STARTUPS" by Ms.M.Chitra, Assistant Professor/EEE, Velalar College of Engineering and Technology, Erode on 25.09.2025.
- Inauguration of "Clarity Sprint Club" and organized session on "From Confusion to Conclusion" by final year and third year EEE students on 24.09.2025.

### Association Activities:

- EEE Emerflux Association (2025-2026) Inauguration by distinguished chief guest, Mr.M.Ramesh. Asst. General Manager & Regional Technical Head -South India.Delta Electronics India Pvt Ltd IABG (Industrial Automation Business Group) Division, Coimbatore. It was presided by our Principal Dr.M.Jayaraman and Dean Prof. P.Jayachandar.The chief guest delivered a special lecture on "THE SCOPE AND FUTURE PROSPECTS OF INDUSTRIAL AUTOMATION" on 25.07.2025.
- Second year EEE students along with two faculty members visited industry M/s. Coral Manufacturing works india Ltd at Modakurichi, Erode on 26.07.2025.
- EEE Emerflux association organized guest lecture on "Your Road Map to a Successful Semiconductor Career" given by Mr.C.Pragatheesh, Lead Verification Engineer, SmartSoC Solutions , Bengaluru and Ms. Jobika N(2019 batch), Senior HR, Uniconnect pvt Ltd., Singapore on 01.08.2025.



- On 15th August, 2025 Independence Day, the department of EEE (Association – EMERFLUX) has organized charity activities at “Blind & Differently Aabled Rehabilitation Future Development Charitable Trust and Training Centre”, Parasaldurai, Pullagoundanpatti near B.Komarapalayam. A total of 44 students and faculty members from our department visited the orphanage to donate essential things.
- EEE Emerflux association organized the Inter department Paper Presentation on “ENGINEERING TECHNOLOGIES: SHAPING THE FUTURE OF ENGINEERING” on 15.09.2025 Mr.S.Hariprasanth,Asst.Prof/EEE has kindly consented to be the jury for the session. Totally 17 teams from various departments registered and presented papers. Winners were awarded with cash prize and certificates by our HoD Dr.P.Sakthivel. Finally, MsS.Sivashanmathi, Association executive member, a student from the third year EEE, delivered the vote of thanks on 15.9.2025.
- EEE Emerflux association organized a guest lecture on “Aligning Competency Requirements with Career Pathways in EV Manufacturing” by Dr.Arunkumar, B.Sc. (PM&IR) HR Manager, SPR EMF Innovations Pvt. Ltd, Coimbatore on 29.09.2025 Ltd.

#### Placement Activities:

- 2021-2026 Batch: M/S Adwik Intellimech Pvt. Ltd., Chennai – 2 students, M/S L.G.Balakrishnan & Bros Ltd., Coimbatore – 10 students, M/S Taro Pumps, Coimbatore – 8 students, M/S Skadomation Solutions, Mettur – 2 students, M/S Torque batteries, Dharmapuri – 1 student.

#### Students Activities:

- Aashika. N, Mohanadharshini.V presented a paper titled “Battery Management” at 13th National level Technical Symposium2K25, Kongunadu Engineering College, Nammakkal on 13.09.2025.
- Nithish Kumar D, Yashvandhini A.S presented a paper titled “Smart battery Management” 13th at National level Technical Symposium2K25Kongunadu Engineering College, Nammakkal, Thottiam on 13.09.2025.
- Sasidharan M B presented a paper titled “Battery Management System using AI Technology” and won the First place in the Event “Binaries” at 13thNational level Technical Symposium2K25, Kongunadu Engineering College, Nammakkal on 13.09.2025.
- Rithika M attended workshop on ‘Design Thinking’ at KPR College of Engineering, Coimbatore on 27.9.2025.

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

#### Programs organized:

- A Guest Lecture on ‘Breastfeeding during Breast Feeding Week’ was conducted on 04.08.2025 for Final Year and Third Year Girls Students
- A Guest Lecture on ‘Emerging Trends in IT’ was conducted on 10.09.2025 for Third year and Final Year ECE students
- A Guest Lectures on ‘PCB Design’ was conducted on 12.09.2025 for Second year ECE students
- A Workshop on ‘Drone Explorer’ was conducted on 20.08.25 for All First year Students

#### Association Activities:

- Inaugural function of ECE student association - CENIREA & IETE student forum and special lecture on ‘Lecture on Virtual Prototyping to AI-Powered CAE’ was conducted on 23.07.2025 for all the ECE students
- VCET HACKLITE 2K25 was organized by ECE department of Velalar College of Engineering and Technology for the students in Engineering Domain across the all parts of our country on 08.08.2025&09.08.2025.
- On the occasion of Independence Day on 15.08.2025, Staff members and Students donated stationery items and Grocery to the children on behalf of CENIREA association to the Orphanage.
- Technical Events were conducted on 13.09.2025 for all the second year ECE students

#### Placement Activities:

- 134 Eligible students attended campus drive on 12.07.2025 conducted by M/s. Calibrant Technologies, Chennai. 18 students from ECE have been selected for second round and 8 have been selected for third round. Kishore Karthikeyan S of IV Year ECE has been selected.
- 48 Eligible students attended campus drive on 17.07.2025 conducted by M/s. Kaar Technologies, Chennai. 21 forwarded to GD, 18 forwarded to Technical HR-1, 8 forwarded to Technical HR-2 and 2 have been shortlisted for Final HR. Mukesh M of IV Year ECE has been selected.
- 83 Eligible students have attended online test on 16.08.2025 conducted by M/s. Lumen Technologies, Bangalore. 3 Students have been selected for Hackathon.
- 94 Eligible students have attended Group discussion on 18.08.2025 conducted by M/s. Adwik Intellimech, Chennai and 25 students have been shortlisted for Final HR. 12 students have been selected in Final round. (4 students on board)
- 146 Eligible students have attended Sample and Online test on 23.08.2025 conducted by M/s. Mallow Technologies, Coimbatore.
- 58 Eligible students have attended Campus drive on 08.09.2025 conducted by M/s. Arasfirma, Tirupur and 3 students have been selected.
- All the placement Eligible students have attended campus drive on 09.09.2025 conducted by M/s. L.G.Balakrishnan and Bros, Coimbatore and 28 students have been selected. (12 on board)
- 20 Interested students have attended online test on 13.09.2025 conducted by M/s. Jilaba software services, Chennai and 9 have been selected for Second round. 5 students have been selected for third round.
- 115 Eligible students have attended online test on 17.09.2025 conducted by M/s. Glenwood Systems, Chennai. 13 Students have been selected for Programming round and 5 students have been selected for Technical HR. Ashwin MP of IV Year ECE has been selected for Final HR.

#### Training Activities:

- Dotnet and Java stream milestone 1 of Wipro PRP have been conducted.
- All the placement eligible students have attended mock interview drive conducted by Tata Elxsi, Bangalore as a part of corporate social initiative on 12.07.2025.
- All the Second-year students have attended the training in aptitude, C Programming and soft skills given by M/s. Avanshhan, Chennai for 4 days from 14.07.2025 to 17.07.2025.
- Infosys CSR training has been conducted from 21.07.2025 to 08.08.2025 for 16 days.
- Skill test has been conducted for all the second year and third year students.
- 4 students have attended Industry readiness program conducted by Naandi foundation, an initiative from Mahindra Pride for 6 days from 15.09.2025 to 20.09.2025.

#### Higher Education:

- Interested list of students for CAT and GATE 2026 has been collected and Orientation for CAT 2025 have been conducted through VCET Higher Education Cell on 14.08.2025.
- GATE/JAM awareness session have been conducted to the interested students in Online mode on 10.09.2025



### Students Activities:

#### NPTEL:

- 144 second year ECE students have registered for the NPTEL online certification course on 'Cloud Computing'
- 151 third year ECE students and 9 final year ECE students have registered for the NPTEL online certification course on 'Introduction to Industry 4.0 and Industrial IoT'
- 1 third year ECE student has registered for the NPTEL online certification course on 'Introduction to Machine Learning'
- 1 third year ECE student and 2 final year ECE students have registered for the NPTEL online certification course on 'Introduction to Large Language Models (LLMs)'
- 1 third year ECE student has registered for the NPTEL online certification course on 'Cyber Security and Privacy'
- 2 final year ECE students have registered for the NPTEL online certification course on 'Introduction to Internet of Things'
- 1 final year ECE student has registered for the NPTEL online certification course on '5G Wireless Standard Design'

#### Paper Presentation:

- Lagnesh K and Praveen K G of second year presented a paper titled 'Resilient Nature: Conservation Strategies in the age of climate change' organized by VCW;SCS hall, Erode on 05-08-2025
- Pradeepa P, Nethra K, Keerthana AK, Praveena G, Renukha D and Praveen of Second year presented a paper 'Reduce – Reuse - Recycle' organized by Kongu Engineering College, Erode on 07.08.2025
- Sanjeev.K, Santhosh.L, Sethupathiraja.V, Vishnu.D and Vasanthakumar.Kof Third year students presented a paper 'IoT presentation and Poster Design' organized by VET Institute of Arts and Science, Erode on 22.08.2025
- Srihar.B.M, Tamilselvan.S, Yoganathan.K and Surya.K of Third year students presented a paper 'Automatic attendance using RF ID and Facial Recognition' organized by Sengunthar Engineering College, Tiruchengode on 25.09.2025 & 26.09.2025
- Yangeshwar J S and Sujeeth P of Second year presented a paper 'Li-fi(Light Fidelity):High speed wireless communication using light' organized by Sengunthar Engineering College, Tiruchengode on 25.09.2025 & 26.09.2025

#### Project Presentation:

- Rubaakrishnan.K, Varun.K.V and Tamilselvan.G of Third year ECE presented a project 'PRASIDHI 2K25'organized by Kongu Engineering College, Perundurai, Erode on 06.08.2025
- Bavadarani.S, Dhurga.C and Divyadarshini.K.S of Third year ECE presented a project 'Smart Food Manage'organized by Kongu Engineering College, Perundurai, Erode on 06.08.2025
- Sreeyas Bhuvaneshwari Ramesh of Third year ECE presented a project 'Gesture Control Car using ESP32' organized by Karpagam College of Engineering, Coimbatore on 13.09.2025
- Sreeyas Bhuvaneshwari Ramesh of Third year ECE presented a project 'Otto Robot'organized by KPR Institute of Engineering and technology, Coimbatore on 27.09.2025

#### IEEE-CS & IETE Activities:

- Seminar on 'Electro AI: Bridging Artificial Intelligence and Electronics' was conducted on 23.9.2025 for IETE student members.
- Guest Lecture on 'Design of unmanned Aerial Vehicle' was conducted on 13.08.2025 for IETE student members.
- Workshop on 'Ignite your Journey with PCB design' was conducted on 31.07.2025 for IEEE student members.
- IEEE-Communication society organizes 'Techbuzz' on 26.09.2025 for IEEE student members

#### Industrial Visit:

- Third year ECE-C section Students went on a one-day industrial visit to DMW CNC Centre, Perundurai on 30.08.25 to gain practical knowledge and real-world experience.
- Second Year ECE-A,B&C section students went on a one-day industrial visit to MASCO Tea Factory, Vagamon on 20.09.25 to gain practical knowledge and real-world experience.
- Third year ECE-A,B&C section students went on a one-day industrial visit to Kerala Electrical & Allied Engg.CO.Ltd on 27.09.25 to gain practical knowledge and real-world experience.
- Third year ECE-A&C section Students went on a one-day industrial visit to MESSA Marayoor Jaggery Factory, Kanthalloor on 27.09.25 to gain practical knowledge and real-world experience.

## DEPARTMENT OF MECHANICAL ENGINEERING

#### Association Activities:

- Guest lecture on "Combustion Equipments and their scope in Oil and Gas projects" was held on 23.07.2025. The event was graced by the esteemed presence of Mr. Syed Mohideen, Senior Engineer (Marketing & Techno Commercial). During his presentation, he provided insights, elaborated on the role of combustion equipment in industrial processes and on career opportunities in the oil and gas sector.
- CAD Workshop for the Academic Year 2025-2026 was organized on 24.07.2025 and 25.07.2025. The Workshop was conducted by Mr. Karthikeyan M, CAD Engineer at Big Learn, Erode. The workshop provided students with practical exposure to CAD tools and enhanced their ability to create professional engineering designs. It bridged the gap between academic learning and industrial applications, equipping participants with valuable skills for future careers in mechanical design and manufacturing industries.
- Workshop on Bike Craft: Assemble and Dismantle for the academic year 2025-2026 was organized on 06.08.2025. The workshop was conducted by Mr. P. Elango, Sri Senthil Auto, Erode. Participants had hands-on training on dismantling and assembling two-wheeler engines, gearboxes, and other components and learnt to disassemble a motorcycle engine, including removing external components, disconnecting electrical connections, and unbolting engine components.
- Guest Lecture on "Harnessing Renewable Sources Energy: A Sustainable Future for Agriculture " was organized on 22.08.2025 and 23.08.2025. The event was graced by Mr. R. Sivakumar, Deputy Director of Agriculture, Tirupathur. His enlightening talks motivated farmers and students in their pursuit of renewable energy plays a significant role in securing the future of agriculture, enhancing farmers' income, and contributing to environmental sustainability.
- Guest Lecture titled "Awareness on Problem Identification and Journal Paper Writing" was organized on 04.09.2025. Dr. S. Shankar, Director, ProMind Research Academy, ProMind Learning Academy and ViPa Robotics, Erode, honored the event as the chief guest. His enlightening talks motivated students in their pursuit of career growth, setting goals, and building confidence. He emphasized that awareness of proper structure, style, and guidelines improve chances of acceptance by journals.

- Workshop on “CAD Training Using Solidworks” was organized from 09.09.2025 to 13.09.2025 (phase –I) and from 22.09.2025 to 26.9.2025 (phase – II), specifically tailored for final year students. The training sessions were conducted by Mr. S.Pradeep, Senior Robotics Engineer, & Mr. R. Koushik Ram, Robotics Engineer, CADD Technologies School of Design Pvt Ltd, Coimbatore, who provided comprehensive instruction on the use of solidworks software. The students gained valuable insights and acquired practical skills in various aspects of design.



#### Placement Activities:

- 45 final year students of batch 2022-26 have attended off campus recruitment drive –Adwik Intellimech, Chennai and 2 students got selected.
- 15 final year students of batch 2022-26 have attended off campus recruitment drive - Arasfirma pvt. Ltd, palladam and 10 students got selected.
- 55 final year students of batch 2022-26 have attended off campus recruitment drive - L.G.Balakrishnan pvt. Ltd, Coimbatore and 21 students got selected.
- 34 final year students of batch 2022-26 have attended off campus recruitment drive – Taro pumps, Coimbatore and 15 students got selected.
- 34 final year students of batch 2022-26 have attended campus recruitment drive – ITC info tech, Chennai. (Results not yet declared).
- 52 final year students of batch 2022-26 have attended campus recruitment drive - Calibrant Technologies, Chennai.
- 2 final year students of batch 2022-26 have attended campus recruitment drive - Kaar Technologies, Chennai.
- 50 final year students of batch 2022-26 have attended off campus recruitment drive - Mavenly Edu Tech, Chennai.

#### Students Activities:

- 55 Students went on an Industrial visit to the Sri R.P. Mills India Private Limited, Veppadai, Komarapalayam - 638008 on 29.07.2025.
- 52 Students went on an Industrial visit to the Masco Tea Factory, Masco Junction, Kannankulam, Vagamon, Kerala – 685 503 on 13.09.2025.
- 52 Students went on an Industrial visit to the Kerala Electrical & Allied Engineering Co. Ltd., Kochi - 682305 on 13.09.2025.
- 41 students have enrolled in NPTEL courses in July-Dec 2025.
- 24 third year students went on an internship training during June-July 2025 to the leading industries including Royal Enfield, Neyveli, Sakthi Sugars Limited, Erode Mother Soil Equipments, Namakkal, Pressana Automobiles Private Limited, Coimbatore and Ambal Autos, Coimbatore.
- 2 Final year students (J V Dhanush and, V. Mayura Guhan), 5 third year students (T G K. Hari Krishna, S. Bharanidharan, P.A. Gokuldhanush, T. Hariprasanth, and S. Akash) and 10 second year students (K.Vajramani, S. Kavineshwaran, S.Rukesh, S.Gokul, Gowtham, K.Abranan, S.Poornakala, S. Devadharasan, S.Deepankumar and M. Sai Deepak) attended Electric Bike Design Challenge at Sri Ramakrishana Institute of Technology, Coimbatore from 23.09.2025 to 26.09.2025 and won overall runner up position.
- 3 third year students (G A. Naresh, M. Haranitharan and R. Akil Karthik) attended CAD Modeling at Hindustan College of Engineering and Technology, Coimbatore on 26.09.2025.
- 2 final year students (B.Balamurugan and T.Ragul) and 2 second year students (J.Jeya suthan and N. Sridhar) attended Anna university Zone -12 cricket Tournament (Men) at KSR College of Technology, from 22.09.2025 to 26.09.2025.
- 5 final year students (K. Mysukanth S.Karmegam, P. Deepan, C. Balamurugan and S. Ajaykanth), 8 third year students Surveshwaran, A. Tharaneeshwaran, Mohammed Ashraf, M.Vasanth Deenesh, J. Pranav, M. Lingesh, S. Sudharshan and R. Akil Karthick and 11 second year students (G V. Vimal, M. Gokul sankar, N K..Abarna, S. Sachin, R. Prithish, M. Magizhan, .D. Kanish, M. Sai Deepak, Rishivanth Manigandan, K B. Poornamathi and S. Bharathvaj) participated in Internal HACKATHON 2025 at Velalar College of Engineering and Technology, Erode from 16.09.2025 to 18.09.2025.
- 5 third year students (D.Kanish, M.Suhan Karthik, S. Sujith, S.Sachin and G.Sakthivel) attended workshop on ‘Mechanical CAD Tools and Engineering Applications’, organized by at C CUBE Technologies, Erode on 05.09.2025.
- 2 third year students (S. Bharathraj and Rishivanth Manigandan) attended workshop on ‘Driving Innovation: AI applications in the Automotive Industry’, organized by Department of Automobile Engineering at PSG College of Technology, Coimbatore on 06.08.2025.

## DEPARTMENT OF MEDICAL ELECTRONICS

#### Association Activities:

- The Department of Medical Electronics, in association with the MEDIECLETIX Club, has actively organized a series of academic, cultural, and awareness programs for its students from July to September 2025.
- A structured orientation was conducted for second-year students to ease their transition into the core phase of their studies. Dr. V. Chandrasekaran, HOD, welcomed the students and introduced the department’s vision, infrastructure, and achievements. Sessions included student responsibilities, innovation and research, departmental associations, placement preparation, higher education opportunities, and co-curricular and extracurricular involvement. The program provided students with guidance, motivation, and confidence for their academic journey.
- Third and final-year students organized a lively Fresher’s Day for second-year students. Fun games like Quiz, Who’s the Liar, and Minute to Win It, along with interactive sessions and refreshments, fostered teamwork, creativity, and bonding. The event created a joyful and welcoming atmosphere, helping freshers connect with their seniors.
- The department, along with MedTech Club and BMESI, held its Inaugural Function to present academic and co-curricular plans for 2025–2026. Chief guests Mr. C. Pragatheeshwaran and Mrs. N. Jobika delivered keynote sessions on “Semiconductor: Powering Tomorrow’s Technology.” Office bearers were felicitated, and the year’s action plan of workshops, training, and student initiatives was shared, setting the stage for a productive academic year.
- An EPS workshop was conducted for final-year students by Jc. HGF. A. P. Chandrakumar and Jc. JFM. Dharmaraj, focusing on communication skills, confidence building, and stage presence. The interactive session enhanced students’ public speaking abilities and encouraged effective self-expression for future careers.
- To commemorate the 79th Independence Day, students and staff contributed clothes, blankets, and other essentials during a donation drive. The initiative promoted unity, compassion, and social responsibility, inspiring students to make a positive difference in society.
- An EPS workshop for pre-final year students was conducted by Jc. JFM. Dharmaraj and Jc. S. N. Pradeep Nehru, focusing on communication skills and overcoming stage fright. The interactive session boosted students’ confidence and presentation abilities for professional growth.
- Ms. Madhumithaa, Managing Director of Embriture, SRTIP, UAE, delivered a session on “Unlocking Global Opportunities: Higher Education in Medical Engineering Fields” She shared insights on studying abroad, scholarships, and career prospects, motivating students to pursue global opportunities and strengthen their skills in engineering and medical sciences.
- Dr. R. Anandhakumar, Consultant Cardiologist, conducted an insightful session on heart health, risk factors, and preventive care. The event emphasized the importance of a healthy lifestyle and received excellent feedback from participants.
- The department celebrated Teachers’ Day by honoring educators with a colorful pamphlet highlighting the significance of the day and a pen symbolizing knowledge. The initiative spread joy across the campus and reinforced the department’s commitment to valuing the contributions of teachers.



#### Placement Activities:

- Sathya T and Kiranya K, currently undergoing their internship from 08.10.2025 to 30.11.2025, have received a job offer from Empire Healthcare, Coimbatore.
- Vimal V, Naveen V, and Kavinraj R.S have been successfully placed as Trainee-HM-Production at Candor Management Services Pvt. Ltd – SPR EMF Innovations, Coimbatore.

### Students Activities:

1. Over 30 final-year students underwent hospital training at renowned institutions, including Senthil Multispecialty Hospital Pvt. Ltd., Sudha Hospitals, S.K Hospitals, VP Medical Center Eye Foundation, Hi-Tech Lab and Diagnostics Opticals, Revathi Medical Center, and OMS Hospital.
2. L/CPL Jeeyshree P K (15 (IN) Battalion NCC, Erode) attended the Combined Annual Training Camp at KSR College of Technology from 03–12 August 2025 and secured 1st place in Throwball at KSR College of Technology, Tiruchengode on 12 August 2025.
3. Kiranya K, Jibisri M, and Sathya T completed Medical Equipment Training at Blendmed Systems, Namakkal on 16, 25, and 30 July 2025.
4. Sanjay Kumar K and Sathish Kumar N participated in Theervusthon 2025 held at PSG College of Arts and Science on 12 August 2025.
5. Bhavya S and Sakthipriya S presented a paper titled "Smart Wearable Sensor" in Sparkathon-2k25, organized by the IEEE Student Branch–VCET and Engineering in Medicine and Biology Society (EMBS) on 13th August 2025.

## DEPARTMENT OF INFORMATION TECHNOLOGY

### Association Activities:

- An event 'Ignite the Spark' was conducted on 09.07.2025 for the benefit of second year students.
- An event 'Insider Interview Playbook: Understand, Prepare, Win' was conducted on 12.07.2025 for the benefit of second year students.
- A seminar on 'Journal and Project Documentation' was conducted on 14.07.2025 for the benefit of second and third year students.
- An event 'Indo Navigation System Project' was conducted on 16.07.2025 for the benefit of final year students.
- A seminar on 'Empowering Futures: Building Core Soft Skills for Professional Success' was conducted on 26.07.2025 for the benefit of second year students.
- Association inaugural function was conducted on 31.07.2025.
- A seminar on 'Campus to Corporate' was conducted on 01.08.2025 for the benefit of third year students.
- An event 'Core Quest-A Journey into Core Concepts' was conducted on 08.08.2025 for the benefit of third year students.
- An event 'Tech Explore' was conducted on 09.08.2025 for the benefit of second year students.
- A session on 'UI/UX' was conducted on 11.08.2025 for the benefit of third year students.
- An event on 'GitHub – Your First Step into Open Source' was conducted on 14.08.2025 for the benefit of third year students.
- Three days workshop on 'UI/UX-Figma' was conducted from 20.08.2025 to 22.08.2025 for the benefit of third year students.
- A Hands-on Training program on 'From Idea to App: Practical Use of Gen AI in Real-World Projects' was conducted on 23.08.2025 for the benefit of third year students.
- An event 'Domain Based Project Selection' was conducted on 23.08.2025 for the benefit of third year students.
- An event 'Data Drill' was conducted on 23.08.2025 for the benefit of third year students.
- A session on 'Journal and Conference Paper Preparation' was conducted on 30.08.2025 for the Third-year B. Tech (AIDS) students.
- An Event 'CODE & CONQUER: LOOPS' was conducted on 30.08.2025 for the benefit of third year students.
- An event for Teachers Day was conducted on 05.09.2025.
- An event 'Start-up Mania Guidance' was conducted on 09.09.2025 for the students of Third year students.
- An event for Programmer's Day was conducted on 12.09.2025 for Second and Third year students.
- An event 'Crack It Smart: Number Series & Coding-Decoding Made Easy' was conducted on 11.09.2025 for the benefit of second year students.
- An event for Engineers Day was conducted on 15.09.2025 for the second year students.
- The Department Orientation Program was conducted on 20.09.2025 for the benefit of First year students.
- A session titled 'From Objects to Solutions: OOPS Magic in Java' was conducted on 20.09.2025 for the benefit of First year students.
- A technical session titled 'CRUD Operations with Mobile App and SQL' was conducted on 20.09.2025 for the benefit of third year students.
- A technical session titled 'Designing Prototypes and learning Figma' was conducted on 27.09.2025 for the benefit of second year students.
- A technical session titled 'SQL Skills & Placement Prep: Get Ready to Impress Employers' was conducted on 27.09.2025 for the benefit of second year students.
- A technical session titled 'Gen AI & Prompt Engineering' was conducted on 27.09.2025 for the benefit of second year students.



### Placement Activities:

- Dharshini S, Madhumitha B, Ganika S S, Kanishka P G & Rithika K of final year got offers in Hexaware Technologies, Chennai on 07.07.2025.
- Megha Bharathi B, Rithanya S of final year got offers in Calibraint Technologies, Chennai on 12.07.2025.
- Deepak B of final year got offer in Coding mart Technologies, Coimbatore on 01.08.2025.
- Haripriya S of final year got offer in Crypton Technologies, Erode on 29.08.2025.
- Ganika S S of final year got offer in Lumen Technologies, Bengaluru on 16.09.2025.
- Karisni V of final year got offer in Kaar Technologies, Chennai on 26.09.2025.
- Aswathi T, Lohith A of final year got offers in Glenwood Systems, Chennai on 29.09.2025.

### Students Activities:

- 2 students of second year presented a paper titled 'Understanding Digital Well-being Through Smart Phone Usage' conducted by Nandha College of Technology, Erode on 26.09.2025.
- 2 students of second year presented a paper titled 'Automatic Acknowledgement SMS System' conducted by Nandha College of Technology, Erode on 26.09.2025.
- 2 students of second year presented a paper titled 'Prediction Floods using IOT Sensors' conducted by Nandha College of Technology, Erode on 26.09.2025.
- 2 students of third year presented a paper titled 'UI/UX Design' conducted by Sengunthar Engineering College, Tiruchengode on 26.09.2025.
- Suvathi G of third year attended a workshop on 'Exploring Generative Artificial Intelligence (GenAI) A Foundational Approach' conducted by Department of Information Technology with the Industry Institute Partnership Cell (IIPC), Kongu Engineering College, Perundurai, Erode on 20.09.2025.
- 6 final year students presented an idea titled 'Development of an AI-driven Chatbot for INGRES as a virtual assistant' at SIH Internal Hackathon conducted by VCET, Erode from 16.09.2025 to 18.09.2025.
- 3 third year students presented an idea titled '"Float Chat - AI-Powered Conversational Interface for ARGO Ocean Data Discovery and Visualization"' at SIH Internal Hackathon conducted by VCET, Erode from 16.09.2025 to 18.09.2025.
- 6 third year students presented an idea titled 'Real time Groundwater resource evaluation using DWLR data' at SIH Internal Hackathon conducted by VCET, Erode from 16.09.2025 to 18.09.2025.
- 6 third year students presented an idea titled 'Integrated Platform for Crowd sourced Ocean Hazard Reporting and Social Media Analytics' at SIH Internal Hackathon conducted by VCET, Erode from 16.09.2025 to 18.09.2025.
- 6 third year students presented an idea titled 'Designing and development of an application for on spot assessment of Roof Top Rain water harvesting and artificial recharge potential and size of the RTRWH and AR' at SIH Internal Hackathon conducted by VCET, Erode from 16.09.2025 to 18.09.2025.
- 2 third year students presented an idea titled 'AI-Based Rockfall Prediction and Alert System for Open-Pit Mines' at SIH Internal Hackathon conducted by VCET, Erode from 16.09.2025 to 18.09.2025.
- 6 third year students presented an idea titled 'AyurSutra- Panchakarma Patient Management and therapy scheduling Software' at SIH Internal Hackathon conducted by VCET, Erode from 16.09.2025 to 18.09.2025.
- 5 third year students presented an idea titled 'Travel Safe: AI-driven monitoring & Blockchain secured tourist protection Application' at SIH Internal Hackathon conducted by VCET, Erode from 16.09.2025 to 18.09.2025.
- 4 second year students presented an idea titled 'AI-Based Smart Campus Lost and Found Application' at SIH Internal Hackathon conducted by VCET, Erode from 16.09.2025 to 18.09.2025.
- 4 second year students presented an idea titled 'Proposal for Design and development of application or Heavy Metal Pollution indices' at SIH Internal Hackathon conducted by VCET, Erode from 16.09.2025 to 18.09.2025.

# DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

## Association Activities:

- The Inaugural Function of the Students' Association "ASPYRA", THRIVE'IN AI Club, and AI Student Chapter was held on 24.07.2025. Mr. Rajkumar Duraisamy, Senior Product Manager, RR Donnelley, Washington (USA), delivered a special lecture on "Beyond the Hype: Building a Sustainable Career in AI".
- A seminar on "DSA Problem Solving Techniques" was held on 31.07.2025 at the AI Analytics Lab, Main Block. The session was handled by Mr. B. S. Ranjith, Trainer at TERV PRO, Coimbatore, for the benefit of the fourth year students.
- A Guest Lecture on "Soft Skills for a Seamless Transition from Academia to Industry" was conducted on 06.08.2025 at the SDC Hall, Main Block. Mr. Sree Krishnan, CEO of Jozuna Pvt. Ltd. and President of Numentica LLC, USA was the chief guest. Third year students were benefitted from this program.
- A Seminar on "Research Opportunities and Future Trends in AI" was held on 23.08.2025 through online mode, jointly organized by the Departments of AI & DS and AI & ML. Mr. S. Santhoshkumar, CEO and Founder of iGradAI Labs Pvt. Ltd., was the resource person. Third year students were benefitted from this program.
- A Guest Lecture on "Awareness on Problem Identification and Journal Paper Writing" was held on 03.09.2025 at the AI Analytics Lab, III Floor. Dr. S. Shankar, Director of ProMind Research Academy and ViPa Robotics, Erode, was the resource person. Fourth year and third year students were benefitted from this program.
- A Seminar on "Banking Awareness & Career Prospects in Financial Sector" was held on 12.09.2025 at the SDC Hall, VCET. Mr. B. Alaiarasan, Regional Manager, and Ms. P. Priyadharshini, Branch Manager, Tamil Nadu Grama Bank, were the resource persons. Fourth year, third year and second year students were benefitted from this program.
- A Hands-on Workshop on "GenAI and Prompt Engineering" was held on 27.09.2025 at the AI Analytics Lab, VCET. The session was conducted by experts from Navigate Labs, Coimbatore—Mr. Praveen G, Mr. Priyadharshan J H, and Mr. Santhosh C were the resource persons. Second year students were benefitted from this program.
- A "Skill Development Program" was held on 29.09.2025 in respective classes, organized by ASPYRA in association with JCI Galaxy, Erode. Resource persons were Mr. T. Anandraj, Mr. T. S. Saravanan, Mr. V. Dhanapal, Ms. P. Pavithra, Ms. T. Kavitha, Mr. C. Prathab, Mr. M. Krishnan, and JFM K. M. Senthamilarasu, fourth year, third year and second year students were benefitted from this program.
- A Workshop on "TABLEAU" was held on 30.09.2025, Tuesday, from 09:00 am to 04:00 pm at AI Analytics Lab, VCET. The session was conducted by Arunprasath S, Freelancer, Trainer & Founder of WM Clothing, Fourth year and third year students were benefitted from this program.
- Thrive'in organized "Campus to Corporate" to help students understand the transition from academic life to professional culture the event will be held on 09.08.2025 for the benefit of second year students.
- A "Freshers Connect" was held on 27.09.2025 at L Block. The interactive session between the seniors and juniors paved way for strong bonding and sharing of real-time experiences about college life and academics.

## Placement Activities:

- DHANUSHRI D got placement in KGiSL Saravanampatti, Coimbatore.
- PRIYANKAR got placement in kaar technologies, Chennai .52,40
- PRIYADHARSHINI S and SUBHASRI C got placement in Jilaba Manapakkam, Chennai

## Student Activities:

### Award Winning:

- Nethraashree S of Second year won First Prize in the Checkmate Challenge at Velalar College of Engineering and Technology on 20.09.2025.
- Nethraashree S and Nethra kumar of Second Year won Third Place in English speech on 12.08.2025 at Velalar College of Engineering and Technology.
- Surya S, Pravinraj M, Sanjit S E, And Sugandakumar V of second year won the second Prize at Bannari Amman Institute of Technology on 10.10.2025 for coding contest innovation.
- 4 students of second year participated and won second prize in Dance and Reel making on 11.08.2025.

### Workshop:

- Mohammed Yaser M and Shankar Narayanan J of Third year have participated in a workshop on the topic of "Smart Silent AI" at Kongu College of Engineering on 06.08.2025.
- 4 of our students of second year attended workshop under the title of "AI Application in Automotive Industry" at PSG College of Engineering on 06.08.2025.
- Pooja G and Santhiya P of second year participated at PSG College of Technology under the topic "AI applications in the automotive industry" on 06.08.2025.
- 4 of our students in second year attended workshop on "Mobile app development using Flutter" which was held at Kongu College of Engineering on 14.08.2025.
- Monika M of Third year attended workshop on 3D modelling, AR/VR and Game Development through online Pep Software on 15.08.2025.
- 6 of our students of second year participated in workshop on "solving challenges with design thinking" held at KPR College of Engineering on 27.09.2025.
- 5 of second year students attended a workshop on the topic of "Generative AI" at Kongu Engineering College on 20.09.2025.
- 3 of our students of second year participated in a workshop on 10.10.2025 at Bannari Amman Institute of Technology under the topic of "image recognition by python".
- 3 of our students of second year participated in workshop on the topic of "Morden web & Devonshire Engineering principal and trends" in KSR college of Engineering and technology on 10.10.2025.
- 3 of our second year students attended a workshop on "Robotics with Industry 5.0" at KPR College of Engineering on 13.10.2025.
- 3 of our students in second year attended workshop in Excel Engineering College on 17.10.2025.

### Paper Presentation:

- 4 students from second year presented a paper on "AI for Reuse, Recycle, and Reduce" which was held at Kongu College of Engineering on 06.08.2025.
- Kiruthika T and Janani K of second year presented a paper on the topic of "Quantum Cryptography" at Hindustan Arts and Science College on 16.09.2025.
- 3 students from second year presented a paper on "Future of AI&DS in Childbirth" at KPR College of Engineering on 26.09.2025.
- 3 second year students presented a paper on "Applepay with Face ID" at Nandha College of technology on 26.09.2025.
- 3 second year students presented a paper on "Finance Management AI by Implementation" at Bannari Amman Institute of Technology on 10.10.2025.
- 6 second year students presented a paper at PSG College of Technology on 11.10.25.
- 3 second year students presented a paper on "Health Monitoring and Early Warning System for Water Borne Diseases" on 10.10.2025.
- 4 of our students presented a paper on "Personalised Content Delivery in 6G" at Hindustan Arts and Science College, Coimbatore on 16.09.2025.
- 4 students presented a paper on "Students Performance Analysis and AI Powered Mental Health Chat Bot" at KPR College of Engineering on 09.10.2025
- 3 of second year students presented a paper on "AI based real time defect detection system for industrial production lines" at KPR College of Engineering on 14.10.2025.

### Extracurricular Activities:

- 4 students of second year participated in Dance reel making on 11.08.2025.
- 5 students from third year and 3 students from second year participated in Tamil Elocution on 13.08.2025.
- 6 students from third year and 2 students from second year participated in English Elocution on 13.08.2025.
- Rithikaa R and Leghasri R of second year participated in Solo Singing Reel Making on 13.08.2025



# DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

## Association Activities:

- Association of Arinmacles conducted a guest lecture on "AI- Driven Low-Code Application Development" using Zoho Creator by Dr.P.Nandhakumar from Zoho on 05.08.2025
- Conducted guest lecture on "Skill Development Program" by V.Rajakumareswaran from Zone Trainer on 29.09.2025
- Conducted event on "Path to AI" by second year and third year students on 11.09.2025.

## Club Elyndros:

- Organized an engaging session titled "AI, ML and Deep Learning" on 23-08-2025 for II year AIML students.
- Organized an Event "Artificial Intelligence" on 01-09-2025 for I year AIML students.

## Club Skynetics:

- Conducted an Event "Launchlite Initiative" on 30-08-2025 for II and III year AIML students.
- Conducted an interactive session titled "AI Ethics Debate" on 12-09-2025 for I year AIML students.
- Organized an Event "Into the Cloud" on 23-09-2025 for I year AIML students.
- Organized an Event "Web wave" on 11-10-2025 for I year AIML students.

## Students Activities:

- Anusree M, Dineshram S M, Harini Sivasubramaniam, Sridhar V P & Kannan S R participated in "DEVSPARK'25 - 24 hrs Hackathon held on 12-09-2025 & 13-09-2025 organized by IEEE CS SYP High impact Zonal Events in Collaboration with IEEE CS KPRIET at KPR Institute of Engineering and Technology, Coimbatore, Tamil Nadu.
- Maneesha P, Nakshathera C & Rithika G participated in Quiz during DIGIFEST 2025 - A State Level Intercollegiate Technical Fest, Organized by the Department of Computer Science (UG), Kongu Arts and Science College (Autonomous) Erode, held on 12-09-2025.
- 11 students of II year AIML participated in the Internal Hackathon held on 16th to 18th September 2025 at Velalar College of Engineering and Technology, Thindal, Erode-12
- 10 students of III year AIML participated in the Internal Hackathon held on 16th to 18th September 2025 at Velalar College of Engineering and Technology, Thindal, Erode-12



# DEPARTMENT OF MANAGEMENT STUDIES

## Programs organized:

- First year MBA Inaugural Function was organized on 20.08.2025. The Programme was felicitated by Thiru.R.Vijayan, Senior Editor, PuthiyaThalaimurai, Chennai.
- A Seminar was organized on the topic "Mental Health and Peer Pressure" on 22.08.2025 for the benefit of the students. The Programme was felicitated by Ms. Gomathi Srikalyan, Founder, Firstin Organic Baby Clothing Brand, Erode.
- A Seminar was organized on the topic "Impact of AI in HR" on 25.08.2025 for the benefit of the students. The Programme was felicitated by Ms. E. R. Priyadarshini, Senior HR Consultant, Career Tree HR Solutions, Chennai.
- Orientation Programme was organized on the topic "MBA: The launchpad" on 28.08.2025 & 29.08.2025 for the benefit of the students. The Programme was felicitated by Mr. Gautham Ashok, Business and Leadership Coach, Managing Partner, Ablexperts, Erode.

## Association Activities:

- VELMA-Association Inaugural & a Seminar on the topic "Supply Chain Management & Data Analytics" was organized on 02.09.2025 for the benefit of the students. The Programme was felicitated by Mr. Sandheepkumar Jhunjhunwala, Director, Techno Sports Wear Private Limited, Tiruppur.
- A Seminar on the topic, "AI-Powered Entrepreneurship: Shaping the Future of Business" was organized on 12.09.2025 for the benefit of the students. The Programme was felicitated by Mr. M. Hari Sakthi, Co-Founder (COO), Neophron Technologies, Erode.
- A Seminar on the topic, "The Power of Effective Communication in Leadership" was organized on 19.09.2025 for the benefit of the students. The Programme was felicitated by Mr. Kavin Thangasamy, Senior HR Analyst, Netcon Technologies India (P) Limited, Bengaluru.

## Placement Activities:

- 61 Students attended the soft skills training from 11.08.2025 to 14.08.2025 conducted by Xplore IT Corp Ltd, Coimbatore.
- 61 Students attended the aptitude training from 28.08.2025 to 03.09.2025 conducted by Xplore IT Corp Ltd, Coimbatore.
- 9 Students got placed at Corizo, Bengaluru.
- One Student got placed at Talent Trek, Bengaluru.

- 5 Students got placements in Mavenly Edutech, Coimbatore.
- One student got placement in Trivancore Mat Indtry, Bhavani.
- 7 Students got placements in ARASFIRMA Pvt Ltd, Tirupur.

## Students Activities:

- 7 students participated in the National Level Management Fest - MFEST2K25 held on March 14, 2025, at K.S.R College of Engineering, Tiruchencode.
- Rohith M, Samyuktha G R, Logamithra K and Nalin K of II MBA presented a paper entitled 'Digital Disruption in Modern Business Practices' in the 1st International Conference on Next Gen Business Strategies: Trends, Technology & Transformation (NBSTTT) held at K.S.R College of Arts and Science for women, Tiruchencode on 21.08.2025
- Dharshana R K and Vislakshi S of II MBA presented a paper entitled 'Digital - Future Ready Business Model' in the 1st International Conference on Next Gen Business Strategies: Trends, Technology & Transformation (NBSTTT) held at K.S.R College of Arts and Science for women, Tiruchencode on 21.08.2025
- An Industrial visit was organised on 23.08.2025, to Aavin Milk Dairy, Erode. 52 students of II MBA Batch (2024-2026) participated in the Industrial Visit. They gained a lot of Operations and Marketing knowledge for their professional career.
- An Industrial visit was organised on 26.08.2025, to TEX VALLEY MARKET LTD, Chithode, Erode. 44 students of I MBA Batch (2025-2027) participated in the Industrial Visit. They gained a lot of marketing knowledge for their professional career.
- An Industrial visit was organised on 20.09.2025, to Roots Industries India Pvt. Ltd, Automotive Division, Coimbatore. 60 students of II MBA Batch (2024-2026) participated in the Industrial Visit. They gained a lot of Manufacturing and Business knowledge for their professional career.



# CLUB ACTIVITIES

## English Literary Association

- The English Literary Association conducted an event ELAIGNITE'25 for First years on 18.09.2025.
- The English Literary Association conducted "THE INKREDIBLES: CORE HUNT" for the second-year ELA members on 29.07.2025.
- The English Literary Association conducted a Core Meet for planning and organizing for the upcoming inauguration function on 13.08.2025.

## National Cadet Corps

- The Enrolment of VCET NCC Army wing cadets for the Academic year 2024-2025 was conducted at Velalar College of Engineering and Technology on 05.09.2024. Approximately 45 first-year students from VCET participated in the National Cadet Corps (NCC) enrolment, with 18 cadets selected for the regular unit. The Subedar Major Suresh Chandran, visited the college and encouraged the newly enrolled cadets.
- The VCET NCC cadets actively participated in the installation ceremony of a new flag post in our college on 18/07/2025. The event was marked with great enthusiasm and patriotism as the cadets played a key role in the ceremony, hoisting the national flag and taking pride in this momentous occasion.
- The Cadets of VCET NCC actively participated in "KARGIL VICTORY DAY" held at Velalar College of Engineering and Technology, Erode On 26/07/2025. Performance by cadets includes speech, taking pledge celebrating the theme of bravery and Sacrifice. A moment of silence was observed in remembrance of all the martyred Soldiers. In this event, 17 SDs and 10 SWs actively participated.
- The Cadets of VCET NCC celebrated the "79th INDEPENDENCE DAY" on 15/08/2025, the flag was hoisted along with the parade. This event began with the hoisting of the national flag by our Honourable Chief Guest Dr. M. Jayaraman, Principal of VCET, followed by the national anthem. He delivered an inspiring speech on Independence Day and the role of youth in nation-building.
- The VCET NCC cadets actively participated in the National Sports Day celebrations on 30/08/2025, in honour of the legendary Major Dhyam Chand. They engaged in events like volleyball, kho-kho, throwball, and basketball, along with a seminar on physical fitness and exercise, promoting the message of 'Fit India - Healthy India'.
- The Cadets of VCET NCC celebrated "Teachers Day", organized by VCET NCC on 05/09/2025. The cadets expressed their gratitude by presenting bouquets and heartfelt greetings to the faculty members, making the day memorable. This event highlighted the importance of teachers as guiding figures in shaping the minds and futures of students.
- The VCET NCC cadets actively participated in the Ozone Day celebrations on [16/09/2025]. As part of the event, they utilized GMeet to raise awareness about ozone layer protection and conducted engaging activities. Additionally, the cadets delivered PowerPoint presentations and participated in group discussions, highlighting the importance of ozone conservation and its impact on the environment.
- The VCET NCC cadets actively participated in a blood donation camp organized on 17/09/2025. This initiative aimed to promote blood donation awareness, support local hospitals, and save lives, emphasizing the importance of selfless service and community responsibility.
- The VCET NCC cadets actively participated in a medical camp organized on 30/09/2025. This initiative aimed to promote health awareness and provide medical services to the community.

## Youth Red Cross

- A Yoga and Meditation Programme was organized by the Youth Red Cross of Velalar College of Engineering and Technology for the benefit of the staff members on 21.06.2025 at the Main Building, II Floor Conference Hall, in connection with World Yoga Day. Acharya Amritaksharananda Avadhut Swamiji, Chief Yoga Trainer for South India from the Ananda Marga Mission, Kolkata, facilitated the session and provided training to the participants. A total of 50 staff members benefited from this Yoga training programme.



- The Youth Red Cross of VCET organized a Deworming Camp on 12.09.2025 for all I and II year UG students in connection with National Deworming Day. The camp was conducted by the Department of Medicine and Public Health, and a total of 2000 students benefited from this initiative. The camp was inaugurated by Dr. M. Eswaramurthi, HoD (S&H), in the presence of Dr. K. Manikandan, Professor of Chemistry and Youth Red Cross Programme Officer. A team of 13 Youth Red Cross student volunteers actively participated in the event by distributing deworming tablets to the students.
- In response to the instructions from the Public (General-I) Department, Secretariat, Chennai, the Youth Red Cross of Velalar College of Engineering and Technology conducted the Social Justice Day Pledge for the staff members on 17.09.2025 in the college campus, in connection with Thanthai Periyar's Birthday, observed on the same day.
- The Youth Red Cross of Velalar College of Engineering and Technology conducted a Health Awareness Lecture on the theme "Food Connects Us: Towards Holistic Health" for Youth Red Cross student volunteers on 19.09.2025. Dr. V. Kirthika, Assistant Professor and Head, Department of Nutrition and Dietetics, Vellalar College for Women, Erode-12, delivered a special lecture to the students. Following the lecture, a Food Expo was organized, featuring exhibits prepared by the students of the Department of Nutrition and Dietetics, Vellalar College for Women, Thindal, Erode. In this programme, Dr. M. Eswaramurthi, HoD, S&H, along with 250 Youth Red Cross student volunteers, participated in the guest lecture. A total of 1000 students visited and were benefited from the Food Expo.
- The Erode Head Post Office, in collaboration with the Youth Red Cross of Velalar College of Engineering and Technology, conducted a Special Aadhaar Card Correction / Update / Enrollment Camp on 26.09.2025 for the first-year students at the II Floor Seminar Hall. A total of 11 YRC volunteers actively assisted in organizing the camp, and 100 students benefited from the Aadhaar services provided.

#### JCI Club



- The JCI Club of Velalar College of Engineering and Technology organized an event on "Enrollment of Voter ID" from 29.07.2025 to 30.07.2025 at the L Block Seminar Hall. Around 250 students and staff members from various departments utilized this opportunity to update their details and enroll for new Voter ID cards.
- The JCI Club of Velalar College of Engineering and Technology conducted an event on "Effective Public Speaking" on 07.08.2025 at the SDC Hall. A total of 25 final-year students from the MDE Department benefited from the session and gained valuable insights from the speakers. Jc HCF A. P. Chandrakumar, Zone Trainer, and Jc JFM Dharmaraj, Vice President (Individual Development), delivered impactful and informative sessions for the students. JCI Faculty Coordinator R. Balasubramanian and Dr. M. Eswaramurthi, HoD/S&H, also participated in the event.
- The JCI Club of Velalar College of Engineering and Technology conducted an event on "Effective Public Speaking" along with the JCI Week Celebration on 09.09.2025 at the SDC Hall. A total of 25 final-year students from the MDE Department benefited from the session and gained valuable insights from the speakers. Jc S. N. Pradeep Nehru, Trainer, and Jc JFM Dharmaraj, Vice President (Individual Development), delivered impactful and informative ideas to the students. JCI Faculty Coordinator R. Balasubramanian and Dr. M. Eswaramurthi, HoD/S&H, also participated in the event.
- Organized a session on "Venture Capital Funding Opportunity for Early – Stage Entrepreneurs" on 22.07.2025 & 23.07.2025. Ms. Gayathri Priyadharshini G, Chief Technical Officer, Arimed Tech Solutions, Coimbatore was the resource person.
- Organized a workshop on "The Future of Oil and Gas: Combustion Equipment Innovations and Applications" on 23.07.2025 & 24.07.2025. Mr. Syed Mohideen, Senior Engineer, The Coimbatore Combustion Equipment and Consulting Engineers was the resource person.
- Organized a panel discussion session titled "Innovation and Start – up Ecosystems" on 25.07.2025 & 26.07.2025. Mr. Aravindha Krishnan M, Director, Integrated Enterprise Solutions Pvt Ltd. was the resource person.
- Organized a seminar titled "AI: That Creates Unlocking Innovations Through Generative Technology" on 25.07.2025 & 26.07.2025. Dr. S. Russia, Professor, Computer Science and Engineering, VCET, Erode was the resource person.
- Organized a workshop titled "TechPreneurship: Innovation in the Digital Age" on 29.07.2025 & 30.07.2025. Mr. K. Rameshbabu, Embedded Developer, Caliber Embedded India Pvt. Ltd., was the resource person.
- Organized a workshop titled "From Campus to CEO: The Startup Mindset for Engineers" on 29.7.2025. Ms. Saranya Damodaran, Entrepreneurs/ Digital Marketing Trainer, SQENTA Technologies, Coimbatore was the resource person.
- Organized seminar titled "How to Plan for a Startup and Interaction with Successful Entrepreneurs" on 4.8.2025 & 5.8.2025. Mr. Roy Arnold. G, Lead Consultant Infosys, Chennai was the resource person.
- Organized a workshop titled "Pit Stop to Perfection: Two – Wheeler Assembly and Dismantling Innovation" on 6.8.2025 & 7.8.2025 in association with Sri Senthil Auto, Erode.
- Organized a workshop titled "Fostering Innovation and Entrepreneurial Careers" on 11.08.2025 & 12.08.2025. Mr. Santhosh N C, Lead Infrastructure Consultant, Thought works, Coimbatore was the resource person.
- Organized EDC Inaugural Function and Special Lecture on "Igniting Entrepreneurial Spirit in Young Minds" on 13.08.2025. Mr. Kumaravel Thangavel, Director, V Thangavel and Sons Pvt. Ltd. Entrepreneur/National Team – Young Indians, Erode was the Chief Guest.
- Organized Event on "Innovation & Entrepreneurship Outreach Program" for school students on 19.8.2025. Mr. V. Mohankumar, Assistant Professor, Mechanical Engineering, VCET, Erode was the resource person.
- Organized World Entrepreneur's Day Celebration and Motivational Talk on "Entrepreneurship as a career choice: Creating your own path" on 21.8.2025. Dr. P. Nandhakumar, Managing Partner, Maya Bazaar Restaurant, National Trainer, JCI India Erode was the Chief Guest.
- Organized Project Expo titled "Idea/PoC Submission to National Platforms" on 25.8.2025 & 26.8.2025. Dr. P. Varalakshmi, Professor & Director (CAINDRA), Information Science and Technology, Chennai and Dr. S. Jabeen Begum, Professor & Head, Computer Science and Engineering, VCET were the Juries.
- Organized seminar titled "AI - Powered Entrepreneurship: Shaping the Future of Business" on 12.9.2025. Mr. M. Hari Sakthi, Cofounder (COO), Neophon Technologies, Erode was the resource person.

#### Fine Arts Club

- The Fine Arts Club of our institution organized a series of competitions as part of the Independence Day celebrations 2025 English Elocution competition (12.08.2025), Tamil Elocution Competition (13.08.2025), Singing Reel making competition and Dance reel making competition (14.08.2025)

#### Rotaract Club

- Under the direction of Dr. N. Thangaraj, The Rotaract Club organized a motivational event titled 'Walk for Rise' on 01.07.2025 at the college campus, Thindal, The walk, aimed to promote positivity, growth, and well-being among students and faculty.

#### Entrepreneurship Development Cell

- Organized a seminar titled "Web Repository for Students and Entrepreneurial Innovations" on 10.7.2025. Mr. K. Vijay, Software Developer, Utsaha Technologies, Chennai was the resource person.
- Organized a seminar titled "Women Entrepreneurs: Challenges and Opportunities" on 11.7.2025. Ms. G. Meenakshisundari, Assistant Manager, Samsung Electronics India Ltd, Chennai was the resource person.
- Organized orientation Session titled "AI Everywhere: Innovation Carnival" on 16.7.2025 & 17.7.2025. Dr. S. Sadesh, Professor & Head of AIDS, VCET, Erode and Dr. V. K. Manavalasundaram, Professor, CCO (I) were the resource persons.
- 'Agaram', a food donation drive was organized on 01.07.2025 at Thindal Murugan Temple. The event was graced by Rtr. DRR. T. Selva Vignesh, District Rotaract Representative of District 3203, as the chief guest.
- Multi-phase drive, members actively organized 'Sanjeevani 2K25', a tree plantation drive aimed at spreading awareness about environmental conservation. Phase-1 was held on 04.07.2025 at Kanjikovil, Erode, followed by Phase-2 on 05.07.2025 at Kandampalayam, Erode. Continuing the green initiative, Phase-3 and Phase-4 took place on 06.07.2025 at Elumathur and Velampalayam, Erode, respectively.
- Attended 'Maverick', a grand graduation ceremony held on 06.07.2025 at Revathi College of Nursing and Paramedical, Tiruppur. The ceremony was graced by Rtn. AKS. Dhanasekar B, District Governor, RI District 3203, who served as the chief guest.
- On 06.07.2025 the event Cosmos Kick-off was organized and it was a great platform for members from various clubs to connect beyond meetings graced by Rtr. DR.R. T. Selvavignesh Periyayaki, District Rotaract Representative of Rotaract District 3203.
- Job Fair on 12.07.2025 - the event was graced by Mr. Xavier Babu, CEO of Calibraint Technologies, Chennai, and witnessed enthusiastic participation from aspiring candidates and recruiters alike.
- The grand 60 Feet National Flag Installation Ceremony was held on 14.07.2025. The esteemed management members participated and it was a moment of immense pride and patriotism, celebrating unity and national spirit.
- An inspiring International District Youth Exchange (IDYE) titled RIDE was held on 18.07.2025, graced by Rtr. PP. Baraneetharan Kuppusamy, District Chair – International Service Director 2025–26. The event fostered cultural exchange and global friendship from various districts, celebrating the true spirit of international fellowship.
- The District Rotaract Representative Installation and District Assembly of Rotary International District 3203 was held on 20.07.2025 at NGM College, Pollachi. The event was graced by Rtr. AKS. Dhanasekar B, District Governor, RID 3203.
- An online session titled 'Unmute Yourself' was held on 22.07.2025, led by Mr. Kaushal, Language Instructor and Creative Content Consultant, the session empowered students to enhance their communication.
- Educated students on the importance of healthy hemoglobin levels, anemia prevention, and practical tips for maintaining overall well-being. Hemoglobin Awareness Programme was organized on 26.07.2025 at led by Dr. R. Ramya Vasanth, Consultant Obstetrician and Gynecologist, Amma Nursing Home, Kollampalayam.
- An inspiring program '21-Minute Book Reading' was held on 01.08.2025, graced by Thiru. V. Rajagopal, District Adi Dravidar and Tribal Welfare Officer, Erode, the event promoted the habit of reading and emphasized how dedicating just 21 minutes a day to books can transform knowledge, creativity, and personal growth.
- An online awareness program 'Voice of Lungs' was held on 01.08.2025. Addressed by Dr. Suriya N. S., General Medical Practitioner, Sri Shivanie Health Care, Kumbakonam, the session emphasized lung health, cancer prevention, and healthy lifestyle practices.
- A Walkathon organized with the Rotary Club of Erode Mid Town was organized on 03.08.2025 at Erode. It was graced by Mr. S. Kandasamy, IAS, District Collector of Erode, and the event promoted health awareness and the importance of physical fitness.
- Hackelitte 2k25, a 24-hour national-level hackathon, was held on 08.08.2025 at our college, guided by Mr. George Koshi, Director of Learning & Development, Sify Technologies, Chennai.
- The 'Drug Free Tamil Nadu' initiative was taken on 11.08.2025, where students and members took an Anti-Drug Pledge. Presided over by our college Principal, Dr. M. Jayaraman, the event raised awareness about the dangers of drug abuse and inspired youth.
- Our students actively participated in an Awareness Rally on Banned Plastic Products on 13.08.2025 at the District Collector Office, Erode, led by Mr. S. Kandasamy, IAS, District Collector of Erode, the rally promoted environmental responsibility, educating the public on the hazards of plastic.

- The Midnight Walkathon was held on 14.08.2025 at Indian Public School, KG Campus, Sengodampalayam, promoting women's safety and empowerment. Graced by Mr. S. Kandasamy, IAS, District Collector of Erode, the event highlighted the collective responsibility of society.
- Online session titled "AI for Everyone" was held on 20.08.2025. Led by Mr. Kamalesh, Director – Data & AI, Wavicle Solutions, USA, the session demystified Artificial Intelligence, highlighting its practical applications and inspiring students to embrace AI literacy for future opportunities.
- A session on 'Ethics, Values, and Responsibility' was held as a part of the Induction Programme on 21.08.2025 Conducted by Mr. Gowtham Krishnamoorthy, Founder and CEO of Nutz Technovation Pvt. Ltd., the session inspired students to embrace integrity, accountability, and ethical decision-making as essential foundations for personal and professional success.
- An insightful session on 'Time Management' as part of the Induction Programme was held on 22.08.2025. Mr. Ismail Bin Haneefa, Founder of Impactz Markers and Executive Director of iNet Resource, shared practical strategies to help students enhance productivity.
- ASTRO Quiz was organized by the Rotaract Club of Coimbatore Change makers on 23.08.2025. The event, led by Rtr. PP. Baraneetharan Kuppusamy, District Chair – International Service Director 2025-2026, offered an exciting opportunity for students to explore astronomy and space science
- An inspiring session on 'Dreams' as part of the Induction Programme was organized on 25.08.2025. Mr. JC. Prathap Chandrasekar, Provisional National Trainer, Zone-17, JCI India, encouraged students to dream big, set meaningful goals and work passionately.
- Aravind Eye Hospital, organized the 8<sup>th</sup> Mega Free Eye Camp on 14.09.2025, offering free eye check-ups, glaucoma screening, and cataract surgery arrangements, graced by Thiru. M. Yuvaraja, the initiative successfully promoted eye health and received an enthusiastic response from the community.
- Nexus and TANGEDCO, organized the 'Flames of Change' Energy Saving Rally on 16.09.2025 at Veerapampalayam Junction, Erode, promoting energy conservation and sustainable practices. Honoured by Mr. Santhakumar S, District Revenue Officer, the rally engaged volunteers and community members in spreading awareness about reducing power wastage.
- The world record attempt 'Peace 3203' was on 21.09.2025 at Revathi College, Avinashi, marking International Peace Day with a large-scale human formation promoting unity and non-violence. The event was graced by Rtn. AKS. Dhanasekar B, District Governor of RI District 3203.
- Official Installation Ceremony, Ithigasam was on 25.09.2025, inducting the new team of Office Bearers for 2025–26. Graced by Rtr. DRR. T. Selvavignesh Periyanyaki, the event celebrated leadership and service, with the newly installed team
- The orientation programme 'Ascend' was organised on 25.09.2025. Graced by Rtr. PP. Varun Kumar M and Rtr. Praveen S, the session featured motivational talks and interactive discussions, inspiring new members to actively participate and embrace responsibilities with confidence.

#### Red Ribbon Club

- The student volunteers actively participated in the pledge taking event to support a drug-free society on 11.8.2025.
- The faculty members and students volunteers and actively participated and took the Social justice pledge, on 17.9.2025.

## FACULTY ACHIEVEMENTS

(Conferences / Workshops / Seminars / FDPs Attended / Papers Presented / Lectures / Key Note Address Delivered / NPTEL Programs Attended)

### DEPARTMENT OF BIOMEDICAL ENGINEERING

- Thirty four programmes were attended by faculty members from the Department of Biomedical Engineering.
- Dr. S. Mangai presented a paper titled "Fall Detection and Prevention Using MEMS Sensor and Galvanic Vestibular Simulation" in the 3rd International Conference on Computational Applied Sciences and its Application (ICCASA–2025) at University of Engineering & Management, Jaipur on 20.09.2025 and 21.09.2025.
- Ms. S. Maheswari and Dr. M. Ponni Bala presented a paper titled "Thermo Vibro Analgesic System for Genicular Pain Management" in the 16th International IEEE Conference on Computing, Communication and Networking Technologies (ICCCNT) at IIT Indore on 06.07.2025 and 11.07.2025.
- Ms. T. Sowmya Shree presented a paper titled "Polarcore: Breakthrough Thermoregulation in Wearable Devices" in the 16th International IEEE Conference on Computing, Communication and Networking Technologies (ICCCNT) at IIT Indore on 06.07.2025 and 11.07.2025.
- Dr. M. Ponni Bala presented a paper titled "A Portable Sensor-Based System for Analyzing Gait Alterations during Pregnancy" in the 16th International IEEE Conference on Computing, Communication and Networking Technologies (ICCCNT) at IIT Indore on 06.07.2025 and 11.07.2025.
- Dr. M. Ponni Bala, Ms. P. Georgia Chris Selwyna, and Ms. S. Maheswari presented a paper titled "A Portable Sensor-Based System for Analyzing Gait Alterations during Pregnancy" in the 16th International IEEE Conference on Computing, Communication and Networking Technologies (ICCCNT) at IIT Indore on 06.07.2025 and 11.07.2025.
- Dr. M. Ponni Bala, Ms. S. Maheswari, and Ms. P. Georgia Chris Selwyna presented a paper titled "Hybrid Deep Learning Framework for Autism Spectrum Disorder Diagnosis Using MRI Images" in the 16th International IEEE Conference on Computing, Communication and Networking Technologies (ICCCNT) at IIT Indore on 06.07.2025 and 11.07.2025.
- Mr. R. Saravanakumar presented a paper titled "Integrated Monitoring System for Patient Care during Magnesium Sulfate Therapy" in the 16th International IEEE Conference on Computing, Communication and Networking Technologies (ICCCNT) at IIT Indore on 06.07.2025 and 11.07.2025.
- Ms. N. Jeyashanthi presented a paper titled "Design and Development of Advanced Next-Generation Myoelectric Control 3D-Printed Prosthetic Arm" in the 16th International IEEE Conference on Computing, Communication and Networking Technologies (ICCCNT) at IIT Indore on 06.07.2025 and 11.07.2025.
- Ms. J. Rajalakshmi presented a paper titled "AI-Driven Health Prediction Using OCR Extraction for Hybrid Input: Manual Parameters and Medical Intervention" in the 5th International Conference on Emerging Research Intervention and Technology (ICERECT-2025) at P.E.S College of Engineering, Mandya on 12.09.2025 and 13.09.2025.
- Ms. S. Yamunadevi presented a paper titled "Cleanmed Box for Hospital Tools" in the 16th International IEEE Conference on Computing, Communication and Networking Technologies (ICCCNT) at IIT Indore on 06.07.2025 and 11.07.2025.
- Ms. S. Maheswari presented a paper titled "Transdermal Real-Time Glycemic Gestation and Fetal Postural Monitoring System" in the 6th International Conference on Smart Electronics and Communication (ICOSEC 2025) at Kongunadu College of Engineering & Technology, Trichy on 24.09.2025 and 26.09.2025.
- Mr. E. P. Thiruvengadam presented a paper titled "Hybrid Transformer–CNN–LSTM Architecture for Improved Cardiovascular Risk Stratification" in the International Conference on Intelligent Communication Network and Computational Techniques (ICICNT–2025) at Guru Nanak Dev Engineering College, Bidar on 04.09.2025 and 06.09.2025.

### DEPARTMENT OF CIVIL ENGINEERING

- Three programmes were attended by faculty members in the Department of Civil Engineering.
- Mr.C.Pranesh completed the SWAYAM-NPTEL online course on 'Technical Communication for Engineers' and was awarded 'Elite +Gold' tag during July-August 2025.

### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

- Thirteen programmes were attended by faculty members in the Department of Computer Science and Engineering.
- Dr. S. Russia acted as a Resource Person in a workshop on the topic on 'Integrated Framework for Real-Time IOT Data Analytics and Intelligent Decision Making using Lightweight Deep Learning Model' organized by AI&DS Department, Erode Sengunthar Engineering College on 18.09.2025.
- Dr.V.Kavitha, Nivetha I has presented a paper titled "IOT-Based Smart Drainage Monitoring System with Automated Light alert" at The 16th International Conference on Computing Communications and Networking Technologies(ICCCNT)" organised by IIT – Indore, Madhya Pradesh, India., held from 6 to 11 July 2025.
- NPTEL:**
  - Ms. S. Dhivya earned an Elite Certification in the course on "Stress Management".
  - Ms. V. Raaga Varsini earned an Elite Certification in the course on "Research Methodology".
  - Ms. S. Devisri earned an Elite Certification in the course on "Research Methodology".



### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

- Five programmes were attended by faculty members in the department of Electrical and Electronics Engineering.
- S.Hariprasath – Presented a Paper titled "Design and Implementation of a Bidirectional Fast Charging Station for Electric Vehicles using Grid-Tied Power Converters" in the International Conference on Computing Methodologies and Communication (ICCMC) organized by Surya Engineering College, Erode during 23-25 July 2025 -
- S GOKULA BRINDHA presented a paper titled "Deep Learning-Based Real-Time Fault Diagnosis and Adaptive Control in Partially Shaded Solar Photovoltaic Systems" in International Conference on Next Generation Computing Systems (ICNGCS) during 21-22 Aug. 2025.
- R PRADEEP presented a paper titled "Model Predictive Direct Torque Control of PMSM for Dynamic Load Handling in Electric Mobility Systems" in International Conference on Next Generation Computing Systems (ICNGCS) during 21-22 Aug. 2025.

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

- Nine programmes were attended by faculty members in the Department of Electronics and Communication Engineering.
- Dr.K.Senthil Prakash presented a paper titled 'Hybrid Fuzzy logic and Ant colony optimization –based routing for Dynamic VANET Topology Management' in the International Conference on computing technologies & Data communication(ICCTDC) at Malnad College of Engineering, Haassan from 04.7.2025 to 05.7.2025.
- Ms.Indhumathi R presented a paper titled 'Implementation of IOT-Based Sensors for Pain Level Assessment in Smart Healthcare Systems' in the 16th International IEEE Conference on Computing, Communication and Networking Technologies ICCCNT 2025 at IIT - Indore, Madhya Pradesh, India from 6.7.2025 to 11.7.2025.
- Dr.M.Parimala Devi presented a paper titled 'Multiattention Graph Convolution Network towards Cost aware partitioning for large graph processing' in the New Frontiers in Communication, Automation, Management and Security at SoCSE & IS, Presidency University, Bengaluru from 11.7.2025 to 12.7.2025
- Ms.Hemalatha.R presented a paper titled 'Design and Compact of Microstrip Patch Antenna RT/DUROID 5880 using FPGA' in the Seventh International conference on Advances in Electrical and Computer Technologies 2025(ICAECT 2025) at Sengunthar Engineering College, Tiruchengode from 24.7.2025 to 25.7.2025.
- Dr.Mahendrakumar S presented a paper titled 'Emotion Detection Using Face Expression and Heart Rate to Alert Gamers' in the 2nd IEEE International Conference on Computing and Data Science 2025 (ICDS-2025) at Rajalakshmi Engineering College, Chennai, India from 25.7.2025 to 26.7.2025.
- Dr.Mahendrakumar S presented a paper titled 'Emotion Detection Using Face Expression and Heart Rate to Alert Gamers' in the 2nd IEEE International Conference on Computing and Data Science 2025 (ICDS-2025) at Rajalakshmi Engineering College, Chennai, India from 25.7.2025 to 26.7.2025.
- Ms.Yamuna S, Mr.Ashwanth S presented a paper titled 'Next Generation Hybrid Wireless Power Transfer using MATLAB' in the 7 th International Conference on Inventive Material Science and Applications (ICIMA-2025) at Muthayammal Engineering College on July 2025.
- Mr.B.Dineshkumar presented a paper titled 'IoT Enabled Intelligent Security Mat for Intrusion Detection and Theft Prevention in High Value Premises' in the 2025 7th International Conference on Inventive Material Science and Applications (ICIMA) at Muthayammal Engineering College, Namakkal on July 2025.
- Mr.K.S.Murugesan presented a paper titled 'Design and Implementation of Low Power Parallel Transposed FIR Filter using Modified Gate Diffusion Input Technique' in the International Conference on Inventive Systems and Control (ICISC 2025) at JCT College of Engineering And Technology, Coimbatore from 12.8.2025 to 13.8.2025.
- Dr.M.Parimala Devi presented a paper titled 'Multi-Model AI-Driven Framework for Corrosion Detection and Classification Based on Image Processing' in the Global Conference on Information Technology and Communication Networks (GITCON) at KLS Gogte Institute of Technology (KLS GIT), Belagavi from 29.8.2025 to 31.8.2025
- Dr.Mahendrakumar S presented a paper titled 'SoftNet-Guard: A Machine Learning-Enhanced Software Framework for Comprehensive Home Wi-Fi Network Security Monitoring' in the 2025 IEEE International Conference on Advanced Computing Technologies (ICACT-2025) at School of Computing, Mohan Babu University, Tirupati, Andhra Pradesh from 1.9.2025 to 2.9.2025.
- Mr.Lingeswaran G presented a paper titled 'Lung Tumor Classification in Medical Imaging using HHO-Enhanced Convolutional Neural Networks' in the 4th International Conference on Innovative Mechanisms for Industry Applications (ICIMIA-2025) at Sasurie College of Engineering, Erode from 3.9.2025 to 5.9.2025.
- Dr.Mahendrakumar S presented a paper titled 'Voice Recognition Emergency Alert System for Elderly and Disabled Individuals' in the Fifth International Conference on "Emerging Research in Electronics, Computer Science and Technology" ICERECT - 2025 at P. E. S. College of Engineering, Mandya from 12.9.2025 to 13.9.2025.
- Mr.B.Dineshkumar presented a paper titled 'Enhancing Automated Assignment Assessment in Higher Education with a CNN-BiLSTM Model' in the 2025 6th International Conference for Emerging Technology (INCET) at Jain College of Engineering Belagavi, India on September 2025.
- 14 faculties from ECE department completed the 12 Weeks NPTEL course conducted by Indian Institute of Technology during July-October 2025.
- Ms.S.Yamuna acted as a resource person for a programme titled 'A Plan for Startups' conducted at VCET on 15.07.2025.
- Dr.M.Parimala Devi acted as a resource person 'Seminar on Hack the future: Turning ideas into impact' conducted at VCET on 30.08.2025.
- Dr.M.Nisha Angeline and Mr.G.Boopathi Raja acted as resource persons for 'Bridging design and verification: Verilog to system Verilog' conducted at VCET on 12.09.2025 & 13.09.2025.
- Ms.S.Yazhini, Dr.S.Mahendrakumar published a book titled '5G Technologies' in ESN Publications on 01-08-2025

## DEPARTMENT OF MECHANICAL ENGINEERING

- Seven programmes were attended by faculty members in the Department of Mechanical Engineering.

## DEPARTMENT OF MEDICAL ELECTRONICS

- One programme was attended by faculty members in the Department of Medical Electronics.
- Dr. V. Chandrasekaran and Mrs. E. Shalini have authored a book titled "5G Technologies", published by ESN Publications in September 2025.
- Dr. M. Pravinkumar presented a research paper titled "Smart Wearable Fitness Belt for Myoprotection" at the International Conference on Innovative Mechanisms for Industry Applications (ICIMIA-2025) held from 3rd to 5th September 2025.

## DEPARTMENT OF INFORMATION TECHNOLOGY

- Fifteen programmes were attended by faculty members in the Department of Information Technology.
- 2 faculty members completed and certified the course 'Artificial Intelligence' in INFOSYS SPRINGBOARD on 21.07.2025.
- Ms.R.Maheshwari has completed NPTEL online certification course 'Python for Data Science' with 90% and was awarded 'Elite + Gold' during the period of July-August 2025.
- Ms.T.Kokilavani has completed NPTEL online certification course 'Python for Data Science' with 64% and was awarded 'Elite' during the period of July-August 2025.
- Dr.M.Kavitha & Ms.T. Nithya have completed NPTEL online certification course 'Distributed Systems' with 77% and was awarded 'Elite + Silver' during the period of July-Sep 2025.
- Dr.R.Mynavathi presented a paper 'Optimized Hybrid CNN-Random Forest Model for Thermal Imaging-Based Water Stress Detection in Large-Scale Agriculture' & 'Stress Classification based on Thermal Signature Analysis using AI-driven Models' in Global Conference on Information Technology and Communication Networks (GITCON) at KLS Gogte Institute of Technology (KLS GIT), Belagavi from 29.08.2025 to 31.08.2025.
- Dr.R.Mynavathi presented a paper 'Early Autism Spectrum Disorder Detection Using Deep Learning and Hybrid Models' in International Conference on Computing and Communications (COMPUTINGCON) at DY Patil University, Ambi, Pune from 01.09.2025 to 03.09.2025.
- Dr.R.Mynavathi presented a paper titled 'Anemia Detection from Conjunctival Images through Eyetropect and VisionAid' in International Conference on Electronics and Computing, Communication Networking Automation Technologies (ICEC2NT) at D.Y. Patil College of Engineering, Pune from 03.09.2025 to 04.09.2025.
- Dr. K. Ganesh Kumar presented a paper 'Intrusion Detection in IoT Networks Using Bidirectional LSTM with Attention Mechanism' in International Conference on Computing and Communications (COMPUTINGCON) at DY Patil University, Ambi, Pune from 01.09.2025 to 03.09.2025.
- Dr. K. Ganesh Kumar presented a paper 'Real-Time DDoS Detection Using XGBoost and Streaming Analytics' in Fifth International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT - 2025) at P. E. S. College of Engineering, Mandya from 12.09.2025 to 13.09.2025.
- Dr. K. Ganesh Kumar presented a paper 'Phishing Website Detection Using a Hybrid CNN -CapsNet - XGBoost -Random Forest Model for Cross-Platform Security' in 2nd Asia Pacific Conference on Innovation in Technology (APCIT-2025) at Vidyavardhaka College of Engineering, Mysuru from 19.09.2025 to 20.09.2025.
- Dr. M. Kavitha presented a paper 'An Assistive Glove for Multilingual Braille Communication using Vibrotactile Feedback' in 3rd International Conference on Sustainable Computing and Smart Systems (ICSCSS 2025) at Hindusthan College of Engineering and Technology, Coimbatore from 20.08.2025 to 22.08.2025.
- Dr. R. Menaka presented a papers 'AI-Driven Face Mask and Distance Violation Detection' & 'Live vision Aid: A Real-Time Visual Scene Interpretation and Audio Feedback System for the Visually Impaired' in International Conference on Computing and Communications (COMPUTINGCON) at DY Patil University, Ambi, Pune from 01.09.2025 to 03.09.2025.
- Dr. R. Menaka presented a paper 'Self-Governing Agentic AI-driven Framework for Multi-Phase Handwriting Identification Tasks' in Fifth International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT- 2025) at P. E. S. College of Engineering, Mandya from 12.09.2025 to 13.09.2025.
- Ms. T. Nithya presented a paper 'SoftNet- Guard: A Machine Learning-Enhanced Software Framework for Comprehensive Home Wi-Fi Network Security Monitoring' in IEEE International Conference on Advanced Computing Technologies (ICACT-2025) at Mohan Babu University, Tirupati, Andhra Pradesh from 01.09.2025 to 02.09.2025.
- Ms. T. Nithya presented a paper 'Voice Recognition Emergency Alert System for Elderly and Disabled Individuals' in Fifth International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT-2025) at P. E. S. College of Engineering, Mandya from 12.09.2025 to 13.09.2025.
- Ms. T. Nithya presented a paper 'Enhancing Nighttime Safety through Secure Edge-AI Surveillance System for Urban Women's Protection' in 2nd Asia Pacific Conference on Innovation in Technology (APCIT-2025) at Vidyavardhaka College of Engineering, Mysuru, India from 19.09.2025 to 20.09.2025.

- Ms. V. Leela presented a paper 'Intelligent Threat Detection in HS-RAN: A Machine Learning Approach to Secure the Future Wireless Network' in Global Conference on Information Technology and Communication Networks (GITCON) at KLS Gogte Institute of Technology (KLS GIT), Belagavi from 29.08.2025 to 31.08.2025.
- Ms. V. Leela presented a paper 'AI-Driven Hybrid Stacking Approach for Accurate Thyroid Disease Prediction' in International Conference on Computing and Communications (COMPUTINGCON) at DY Patil University, Ambi, Pune from 01.09.2025 to 03.09.2025.
- Ms. V. Leela presented a paper 'Automated Stroke Detection from CT Images Using CNN-GA- LSTM with Grad-CAM Visualization' in Fifth International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT-2025) at P. E. S. College of Engineering, Mandya from 12.09.2025 to 13.09.2025.
- Mr. A. Logeswaran presented a paper 'Kidney Stone Prediction Using Deep Learning Algorithms' in Fifth International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT-2025) at P. E. S. College of Engineering, Mandya from 12.09.2025 to 13.09.2025.
- Mr. A. Logeswaran presented a paper 'Deep Fusion of Convolution Neural Network and Bidirectional Gated Recurrent Unit for Detection of Parkinson's Disease' in 4th International Conference for Advancement in Technology (ICONAT) at Rajarambapu Institute of Technology, Sangli, Maharashtra from 19.09.2025 to 21.09.2025.
- Ms. E.Sudha presented a paper 'Hybrid GNN-RL Framework for Scalable Crowd Management and Crime Hotspot Prevention' in International Conference on Computing and Communications (COMPUTINGCON) at DY Patil University, Ambi, Pune from 01.09.2025 to 03.09.2025.
- Ms. E.Sudha presented a paper 'MSF-Net: Multi-Sector Fuzzy Network for Interpretable Eye Disease Classification from Low-Quality Fundus Images' in 2nd Asia Pacific Conference on Innovation in Technology (APCIT-2025) at Vidyavardhaka College of Engineering, Mysuru, India from 19.09.2025 to 20.09.2025.
- Mr.P.Prakash presented a papers 'Detecting and Classifying Brain Tumors in MRI Images Using YOLOv12 Model' & 'Smart Real-Time Suicide Prevention System Using Natural Language Processing and ROBERT' in International Conference on Computing and Communications (COMPUTINGCON) at DY Patil University, Ambi, Pune from 01.09.2025 to 03.09.2025.
- Mr.P.Prakash presented a paper titled 'A Web-based Intelligent Framework for Early Facial Melanoma Detection using Deep Learning' in 3rd International Conference on Intelligent Cyber Physical Systems and Internet of Things (ICoCI-2025) at JCT College of Engineering and Technology, Coimbatore from 17.09.2025 to 19.09.2025.
- Ms.R.Sangeetha presented a paper titled 'Ridesure YOLOv8-Powered non helmet detection and license plate recognition in traffic environments' in a global conference on information technology and communication networks (GITCON) at KLS Gogte Institute of Technology (KLS GIT), Belagavi from 29.08.2025 to 31.08.2025.
- Ms.R.Sangeetha presented a paper titled 'A User-Centric Interactive System for Multi-model Communication Using Face Gestures, Hand Signs and Voice Commands' in 2nd Asia Pacific Conference on Innovation in Technology (APCIT-2025) at Vidyavardhaka College of Engineering, Mysuru, India from 19.09.2025 to 20.09.2025.
- Ms.S.Mekala presented a paper titled 'Optimized Internet of Things Data Transmission Using Message Queuing Telemetry Transport Protocol for Edge Node Communication' in Sixteenth International Conference on Computing, Communication and Networking Technologies (ICCCNT 2025) at IIT, Indore from 06.07.2025 to 11.07.2025.
- Ms.D.Suganya presented a paper titled 'Text and Audio-based Cyberbullying Detection on Social Media Platforms' & 'Cyberbullying Detection for Textual, Image and Visual using Hybridization of BERT, ResNet-50 and C3C' in Fifth International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT-2025) at P. E. S. College of Engineering, Mandya from 12.09.2025 to 13.09.2025.
- Ms.S.Chitra presented a paper titled 'An Integrated Framework for Real-Time Crime Prediction and Trend Analysis Using Crime Cast-AI' in International Conference on Computing and Communications (COMPUTINGCON) at DY Patil University, Ambi, Pune from 01.09.2025 to 03.09.2025.
- Ms.S.Chitra presented a paper titled 'InsightDefense: Explainable AI for Intrusion Prevention' in International Conference on Intelligent Communication Networks and Computational Techniques (ICICNT-2025) at Guru Nanak Dev Engineering College, Bidar from 04.09.2025 to 06.09.2025.
- Ms.P.Malar presented a paper titled 'Virtual Mouse using Hand Gestures' in 6th International IEEE Conference on Computing, Communication and Networking Technologies (ICCCNT) at IIT, Indore from 06.07.2025 to 11.07.2025.
- Ms.P.Malar presented a paper titled 'Multilingual Deepfake Audio Detection Using Convolutional Neural Networks and Gradient Boosting' in Fifth International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT-2025) at P. E. S. College of Engineering, Mandya from 12.09.2025 to 13.09.2025.
- Ms.T.Kokilavani presented a paper titled 'AI-Driven Health Prediction Using OCR Extraction for Hybrid Input: Manual Parameters and Medical Intervention' in Fifth International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT-2025) at P. E. S. College of Engineering, Mandya from 12.09.2025 to 13.09.2025.
- Ms.N.V.Keerthana presented a paper titled 'An Effective Framework for Optimized Group Selection under Uncertainty: Identification and Modeling of Effective Edge Dominating Sets in Fermatean Fuzzy Graphs' in International Conference on Information, Implementation, and Innovation in Technology 2025 (I2ITCON 2025) at International Institute of Information Technology, Pune from 04.07.2025 to 05.07.2025.
- Ms.N.V.Keerthana presented a paper titled 'Cuckoo search-optimized Residual Networks for identification of Diabetic Foot Ulcers' in 8th international conference on Computing Methodologies and Communication (ICCMC-2025) at Surya Engineering College, Erode from 23.07.2025 to 25.07.2025.
- Ms.N.V.Keerthana presented a paper titled 'Papvision: Nextgen Deep Learning Diagnosis of Cervical Cancer from Papanicolaou Smear Test' in 2nd International Conference on Computing and Data Science (ICCD 2025) at Rajalakshmi Engineering College, India from 25.07.2025 to 26.07.2025.
- Ms.N.V.Keerthana presented a paper titled 'Advanced Network Defense Using Hybrid Neural Network Layers' in 3rd International Conference on Sustainable Computing and Smart Systems (ICSCSS-2025) at Hindusthan College of engineering and Technology, Coimbatore from 20.08.2025 to 22.08.2025.
- Ms.N.V.Keerthana presented a paper titled 'Multi-Model AI-Driven Framework for Corrosion Detection and Classification Based on Image Processing' in Global Conference on Information Technology and Communication Networks (GITCON) at KLS Gogte Institute of Technology (KLS GIT), Belagavi from 30.08.2025 to 31.08.2025.

## DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

- Eight programmes were attended by faculty members in the Department of Artificial Intelligence and Data Science.
- Mr. P. Prabhu Ranjith has presented a conference paper titled "A Scrupulous Liver Cancer Segmentation: An Enhanced U-Net Model with Extended Echo Skip Based ResoReplicate Layer" at the Frontier Technologies and Solutions – ICFTS 2025, held on 27–28 March 2025, organized by St.Josephs college of Engineering, Chennai and the paper is indexed in IEEE (Electronic ISBN: 979-8-3315-0276-8).
- Ms. Harina A. S., has presented a conference paper titled "Analyzing the Economic and Agronomic Impact of Relay Cropping on Crop Yield and Soil Health in Climate-Resilient Farming" at ICCMC 2025, held on 23–25 July 2025, organized by Surya Engineering college and the paper is indexed in SCOPUS (ISBN: 979-8-3315-1210-1)
- Ms. Keerthana K has presented a paper on "Classification of chest X-ray images with pre-trained models and machine learning classifiers" at ICICC 2025, which is Scopus indexed, on 1st October 2025. (ISBN:978-981-96-6906-6)

## DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

- Sixteen Programmes were attended by faculty members in the Department of CSE (Artificial Intelligence and Machine Learning).
- Dr. V. Latha Jothi presented a paper titled "Enhancing Speech Emotion Recognition using Self-Supervised Learning and Transformer based Models" in the Third IEEE International Conference on Networks, Multimedia and Information Technology at NITTE Meenakshi Institute of Technology, Bangalore on 01.08.2025 and 02.08.2025
- Dr. V. Latha Jothi presented a paper titled "Vittiligo Detection and Progression Analysis using Vision Transformers and Self-Attention Networks" in Third IEEE International Conference on Networks, Multimedia and Information Technology at NITTE Meenakshi Institute of Technology, Bangalore on 01.08.2025 and 02.08.2025.

### NPTEL:

- Dr. V. Latha Jothi secured Elite certification for the course "Theory of Computation" in the NPTEL exams held in Sep 2025.
- Ms.S.Soorya secured Elite certification for the course "Research Methodology" in the NPTEL exams held in Sep 2025.
- Ms.R.Tamilaras secured Elite certification for the course "Research Methodology" in the NPTEL exams held in Sep 2025.

## DEPARTMENT OF MANAGEMENT STUDIES

- Six programmes were attended by faculty members from the Department of Management Studies.
- Dr.N.Balachandran, has presented a paper in an International Conference on "Gig Economy and its Impact on Modern Business" organized by KSR College of Arts and Science, Tiruchengode on 21.08.2025.
- Dr.S.Kumar, has presented a paper entitled 'Digital Disruption in Modern Business Practices' in the 1st International Conference on Next Gen Business Strategies: Trends, Technology & Transformation (NBSTTT) held at K.S.R College of Arts and Science for women, Tiruchengode on 21.08.2025.
- Dr. T. Mohanapriya, acted as a Resource Person for a One-Day Workshop on "Data Analysis Using SPSS" organized for III BBA (CA) students at Velalar College for Women on 13.08.2025.
- Dr. T. Mohanapriya, acted as a Resource Person for a programme organized by the Higher Education Cell, Velalar College of Engineering and Technology, on the topic "CAT Catalyst: From Aspiration to Achievement" on 14.08.2025.
- Dr. T. Mohanapriya, acted as a Resource Person for the First Year Engineering Students' Orientation Programme at Velalar College of Engineering and Technology and delivered a session on the topic, "Spirit of Success: Building a Winner Attitude" on 22.08.2025.
- Dr. T. Mohanapriya, acted as a Resource Person for a One-Day Skill Enhancement Programme on "Polish and Flourish: Shaping Skills for Success" organized for I B.Com (PA) students by Department of B.Com (PA), Velalar College for Women on 16.09.2025.

# DEPARTMENT OF SCIENCE AND HUMANITIES

## DEPARTMENT OF GENERAL ENGINEERING

- Five programmes were attended by faculty members in the Department of General Engineering.
- Dr P.Rajendran presented a paper on the title "Optimized Hybrid CNN-Random Forest Model for Thermal Imaging-Based Water Stress Detection in Large-Scale Agriculture" in Global Conference on Information Technology and Communication Networks (GITCON) by IEEE 29th – 31st August 2025.
- Dr P.Rajendran presented a paper on the title "Stress Classification based on Thermal Signature Analysis using AI-driven Models" in Global Conference on Information Technology and Communication Networks (GITCON) by IEEE (29th – 31st August 2025).
- Dr P.Rajendran presented a paper on the title "Early Autism Spectrum Disorder Detection Using Deep Learning and Hybrid Models" in Early Autism Spectrum Disorder Detection Using Deep Learning and Hybrid Models by IEEE (1st – 3rd September 2025)

## DEPARTMENT OF MATHEMATICS

- Twenty Four programmes were attended by faculty members in the Department of Mathematics.
- Ramya S presented a paper titled "New Frontiers in Communication, Automation, Management and Security" at Second IEEE International Conference on 11th & 12th July 2025.
- Vetri K participated in the Two Days National Conference on "Road Map to Viksit Bharat - A Multi-Disciplinary Approach" conducted at VIT Chennai on 26th & 27th July 2025.
- Priyanka G. B presented a paper titled "Split Divisor Equitable Domination in Fuzzy Graphs to Network" at the National Conference on Advanced Research in Applied Sciences (NCARAS-2025) organized by the School of Applied Science, MVJ College of Engineering, Bangalore on 8th & 9th August 2025.
- Brindhya R presented a paper titled "Optimizing Fuel Filling Time at Petrol Pumps: A greedy Approach for Efficient vehicles distribution petrol vending machines" at Second International Conference on Computational Science and Applied Mathematics (ICCSAM-2025) Organized by the School of Computing & Department of Mathematics, VET Institute of Arts and Science College in association with Asia Pacific University of Technology and Innovation, Malaysia held on 12th September 2025.
- Eswaramurthi M presented a paper titled "Optimizing Fuel Filling Time at Petrol Pumps: A greedy Approach for Efficient vehicles distribution petrol vending machines" at Second International Conference on Computational Science and Applied Mathematics (ICCSAM-2025) Organized by the School of Computing & Department of Mathematics, VET Institute of Arts and Science College in association with Asia Pacific University of Technology and Innovation, Malaysia held on 12th September 2025.
- Gowri C. S presented a paper titled "Optimizing Fuel Filling Time at Petrol Pumps: A greedy Approach for Efficient vehicles distribution petrol vending machines" at Second International Conference on Computational Science and Applied Mathematics (ICCSAM-2025) Organized by the School of Computing & Department of Mathematics, VET Institute of Arts and Science College in association with Asia Pacific University of Technology and Innovation, Malaysia held on 12th September 2025.
- Priyanka G. B presented a paper titled "Characterizations of Excellent Divisor Equitable Domination in Fuzzy Graphs" at Second International Conference on Computational Science and Applied Mathematics (ICCSAM-2025) Organized by the School of Computing & Department of Mathematics, VET Institute of Arts and Science College in association with Asia Pacific University of Technology and Innovation, Malaysia held on 12th September 2025.
- Rathi K completed the course on "Patent Drafting for Beginners" NPTEL - IIT Madras, from July - August 2025.
- Gowri C. S completed the course on "Teaching and learning in General Programs TALG" NPTEL - IIT Madras, from July - August 2025.

## DEPARTMENT OF PHYSICS

- Nine programmes were attended by faculty members in the Department of Physics.
- Dr. Deepa Jananakumar has presented a paper in International Conference on Computing Technologies & Data Communication (ICCTDC) on the topic 'A GAN-Based Approach for Automated Plant Disease Classification Using Image Processing Techniques' at Malnad College of Engineering, Hassan from 04.07.2025 to 05.07.2025
- Dr.N.Thangaraj secured Elite certification in the NPTEL-AICTE Faculty Development Programme on 'concept in magnetism and superconductivity' during September 2025.
- Dr.R.Lavanya Dhevi and Dr.P.Kirihika have secured certification in the NPTEL-AICTE Faculty Development Programme on 'Introduction to Quantum Computing: Quantum Algorithms and Qiskit' during September 2025.
- Dr. R.Radhika has secured certification in the NPTEL-AICTE Faculty Development Programme on 'Solar Photovoltaics Fundamentals, Technology and Applications' during September 2025.

## DEPARTMENT OF CHEMISTRY

- Thirteen programmes were attended by faculty members in the Department of Chemistry.
- Dr. Mohana Priyadarshini participated through online mode in the International Conference on "Chemistry Innovation: Current Development Challenges and Future Perspectives", organized by the PG and Research Department of Chemistry on 15th and 16th September 2025, held at St. Joseph's College and Bishop Heber College, Tiruchirappalli.
- D. Priya has presented an oral paper entitled "Inhibitory Action of Shrimp Shell Extract on Metal Surface in Acidic Medium" at the conference organized by the Department of Chemistry, Gobi Arts & Science College, Gobichettipalayam, on 1st August 2025.
- D. Priya has presented a paper at the International Conference on Material Innovations for Health, Environment & Energy, organized by Easwari Engineering College, Chennai, held from 23.09.2025 to 24.09.2025.

## DEPARTMENT OF ENGLISH

- Eight programmes were attended by faculty members in the Department of English.
- Dr. S. Hemalatha presented a paper on the topic 'Transforming English Language Teaching with Digital Tools: Innovations, Challenges and Pedagogical Strategies' and J. Haripriya on the topic 'Unearthing Narratives and Nature: An Ecocritical Analysis of Bharati Mukerjee's The Tree Bride' in the International Conference on The Synergy of English Language, Literature and ELT in the Digital Era organized by the Department of English held on 19th August 2025 conducted by VET Institute of Arts and Science (Co- education) College, Erode.
- Dr. B.S. Gomathi, Dr. G. Ruth Evangeline and T. Sasikala completed the four week NPTEL course on Perspectives of Neurolinguistics from July – August 2025 with Elite grades. It is also an AICTE approved FDP.

## RESEARCH ACTIVITIES

(Journal Publications / Patents / Copy Rights by Faculty Members)

### DEPARTMENT OF BIOMEDICAL ENGINEERING

- Dr. J. Rajalakshmi published a journal titled "Heterostructure Engineered TFETs for Ultrafast Switching and Enhanced Analog RF Performance" in American Scientific Publisher, indexed in SCIE, as third author, Volume 20, Issue 07, pp: 748-755, ISSN: 1555-130X, July 2025.
- Ms. C. Radhika published a journal titled "EEGNet: Detection and Diagnosis of EEG Signals for Epilepsy Disease using Weighted Empirical Mode Decomposition and EEGNet Architecture" in Traitement Du Signal, indexed in SCIE, as first author, Volume 42, Issue 04, pp: 2417-2430, ISSN: 0765-0019, August 2025.
- Dr. S. Mangai published a utility patent titled "System and Method for Student Performance Prediction Using Non-Linear Feature Analysis and Machine Learning" on 05.09.2025.
- Ms. S. Maheswari published a utility patent titled "Machine Learning-Driven Nanotechnology-Based Biomedical Devices for Cancer Diagnosis and Therapeutic Applications" on 25.07.2025.
- Ms. T. Sowmya Shree published a utility patent titled "Machine Learning Based Predictive Modelling of Consumer Purchase Behaviour in E-Commerce" on 05.09.2025.
- Ms. C. Malavika published a utility patent titled "Automated System and Method for Identification and Classification of Plant Diseases Using Machine Learning and Image Processing Techniques" on 05.09.2025.
- Mr. R. Saravanakumar published a utility patent titled "Enhanced Vehicle Safety with Smart Driver Fatigue Detection and Video Recording System for Safety" on 20.08.2025.

### DEPARTMENT OF CIVIL ENGINEERING

- Dr.C.Karthik published an Indian utility patent titled 'IoT-based earthquake early warning and structural damage detection system' on 25.07.2025.
- Mr.S.C.Sarath Kumar, published a journal titled 'Experimental Investigation on Utilizing Treated Dyeing Effluent in Utility Blocks, in Structural Integrity and Interactions of Materials in Civil Engineering Structures (SIIMCES-2025), Procedia Structural Integrity, Volume 70, pp. 635–641, ISSN: 2452-3216, August 2025
- Mr.C.Manoj Prabu, published a journal titled 'Strength and Durability Enhancement in Geopolymer Mortar Incorporating Nano-silica and Nano-GGBFS' in Journal of Environmental Nanotechnology, Volume 14, Issue 3, pp. 495-504, ISSN: 2279-0748, September 2025.

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

- Ms. Vidhya R, has presented a paper titled "Real-Time Credit Card Fraud Detection using Lightweight Heterogeneous Graph Neural Network", at "4th International Conference on Innovative Mechanisms for Industry Applications (ICIMIA 2025) organised by Sasurie College of Engineering, Tirupur, India", held from 3-5 September 2025.
- Dr. S. Russia has published a patent "AI in Smart Green Houses: Optimizing Environmental Conditions for Crop Growth" on 19/09/2025 with application number 202511084755A.
- D. Nithya published a patent 'An Intelligent UAV Based clustering and Charging Framework Using ML For Smart Irrigation To Improve Agriculture' on 18.07.2025 with application number 202541065659A.
- N. Manicka Senthamarai published a patent 'Cloud Based Machine Learning Platform for Personalized Heart Disease Prediction using Electronic Health Records' on 01.08.2025 with application number 202521061325A.
- M.Nanthini has published a patent "AI Driven personalized Learning system for Real-time Student performance analysis using machine learning algorithms" on 4.7.2025 with application number 202541060338.
- Ms. S. Dhivya contributed Chapter 9 titled Comparison of Energy Efficient "Cryptographic Libraries for Wireless Sensor Networks to the book Lightweight Cryptographic Algorithms for Secure IoT Devices" (ISBN: 978-93-49552-30-2).
- Ms. S. Dhivya was granted a patent for her work titled "Integrated Statistical and Machine Learning Models for Decision Support in Financial Organizations" on 05.09.2025 (Application Number: 202521068461).
- Ms. B. Mohanapriya published a patent Machine Learning-Powered Cloud Security Framework For E-Commerce Platforms With Integrated Behavioral Analytics On 29.08.2025 with Application no: 202511075980A
- Dr. S. Jabeen Begum – "Enhancing Data Protection and Application Delivery in Cloud Computing through Intelligent Optimization and Encryption" – Published in Tehnički Vjesnik (International Journal), August 2025.
- Dr. C. Kotteeswari – "An Advanced Fusion Network for Detecting and Grading Macular Edema in Diabetic Patients" – Published in the International Journal of Diabetes in Developing Countries (International Journal), August 2025.
- Ms. Vidhya R. has published a research article titled "Enhancing Groundwater Quality Assessment with Explainable Machine Learning" in the International Journal of Advanced Technology and Engineering Exploration, September 2025.

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

- P. Sakthivel (5th Author), published a journal titled 'Optimized low power hybrid adder architecture for OFDM in wireless communication' in the Scientific Reports, Published online on: 02 July 2025, (2025) 15:22658 1| <https://doi.org/10.1038/s41598-025-07877-8>. (SCIE)
- K. Vanchinathan, Published a journal titled 'An Advanced Energy Consumption Predictive Method for Artificial Intelligence-Based Hybrid Electric Vehicle to Improve Vehicle Battery Efficiency for Sustainable Development', Journal of Circuits, Systems and Computers
- M. Chitra and P. Sakthivel published a journal titled 'Power quality optimization in hybrid renewable energy system using MDNSOGI-based predictive control' in the Electrical Engineering (Springer) published online on 7th August 2025, <https://doi.org/10.1007/s00202-025-03291-5> (SCIE)

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

- Dr. K.R. Valluvan published a journal titled 'Enhanced Data Protection and Application Delivery in Cloud Computing using Intelligent Optimization and Encryption' in the Tehnicki vjesnik - Technical Gazette, Volume 32, Issue 5, pp 1637-1647, September 2025.
- Dr. V. Gowrishankar published a journal titled 'Synergistic CuMn2O4/MnO2/MWCNT nanohybrid for ultra-stable and high-energy asymmetric super capacitors' in the Journal of Porous Materials, September 2025
- Dr. Rajan S Published a Patent on 'Wireless Charging Apparatus for Electric Vehicles' on 04.07.2025. [202541058038]
- Ms. Indhumathi R Published a Patent on 'AI-Based Pedagogical Framework for Teaching English Language and Literature in Higher Education' on 11.07.2025. [202541062911]
- Ms. M. Padmapriya Published a Patent on 'AI-Driven Intrusion detection systems: enhancing cyber security in cloud and IoT networks' on 05.09.2025. [202541078821 A]
- Mr. K. Rajaram and Dr. S. Rajan Published and was granted a Patent on 'Smart Weighment and Centralized Payroll Reckoning Machine for Tea Plantations' on 12.09.2025. [202141007927]

## DEPARTMENT OF MECHANICAL ENGINEERING

- Mr. A. Manojkumar published a journal titled 'Charcoal filler effect on performance of banana fiber reinforced composites', in the AIP Conference Proceedings, pp. 1-7, ISSN: 0094-243X, October 2025.
- Dr. R. Kumaravelan published a journal titled 'Investigation on Cissus Quadrangularis Stem Fiber Reinforced Novel Polymeric Composite with Banana Chopped Fiber for Green Engineering Applications', in the Polym. Korea, Volume 49, Issue 4, pp. 401-410, ISSN: 2234-8077, July 2025.
- Mr. A. T. Navin Prasad published a journal titled 'Performance and economic evaluation of a single-slope solar still with v-corrugated fin and phase change material (PCM): productivity and carbon credit analysis' in the Journal of Thermal Analysis and Calorimetry, Volume 150, pp. 13411-13427, ISSN: 1388-6150, July 2025.
- Dr. S. Velumani has published patent on "Key Factors for Effective Real-World Toxicity Prediction Via Machine Learning on Chemical Structures" on 19.09.2025 (Application No: 202511083109 A)
- E. Ajai Kumar has published patent on "Advanced Aerodynamic Blade Design for Enhancing Wind Turbine Energy Capture Efficiency" on 04.07.2025 (Application No: 202521057824 A)
- A Manoj Kumar has published patent on "Advanced Aerodynamic Blade Design for Enhancing Wind Turbine Energy Capture Efficiency" on 13.06.2025 (Application No: 202541054527 A)

## DEPARTMENT OF MEDICAL ELECTRONICS

- Mr. S. Surender has published a patent titled "A Deep Learning Approach to IoT Security: Detecting and Preventing Cyber Threats" (Application No. 202541067123), which appeared in the Official Journal of the Indian Patent Office (Office of the Controller General of Patents, Designs, and Trade Marks, Government of India) on 19th September 2024.
- Dr. V. Chandrasekaran has published a research paper titled "EEGNet: Detection and Diagnosis of EEG Signals for Epilepsy Disease Using Weighted Empirical Mode Decomposition and EEGNet Architecture" in Traitement du Signal, Vol. 42, No. 4, August 2025. (Indexed in Web of Science)

## DEPARTMENT OF INFORMATION TECHNOLOGY

- Dr. R. Menaka published an Indian Design patent titled 'Framework for Annotating and Classifying English Literature Using Transformer-Based Language Models' on 11.07.2025 (Patent Number: 202541061410).
- Dr. K. Ganesh Kumar published an Indian Design patent titled 'Smart Logistics Tracking and Monitoring Device' on 30.07.2025 (Patent Number: 452980-001).
- Ms. T. Nithya published a book chapter entitled 'Digital Innovation as the Backbone of Developing Economies' for the book 'Digital Technologies and Transformations in Public Administration, Engineering, and Sustainable Business' with ISBN: 9798337315348 & DOI: 10.4018/979-8-3373-1534-8.ch012 in IGI Global Scientific Publishing on July 2025.
- Ms. V. Leela & Ms. R. Sangeetha published a book chapter entitled 'AI Driven Predictive Analytics for Demand Forecasting in Healthcare' for the book 'Intersecting AI and Medicine for Improved Care and Administrative Efficiency' with ISBN: 9798337317724 & DOI: 10.4018/979-8-3373-1772-4 in IGI Global Scientific Publishing on July 2025.
- Dr. R. Mynavathi published 2 book chapters titled 'Enhancing the Production of Renewable Energy, Integrating Solar Power in Smart Building Designs to Enhance Living' for the book 'AI-Driven Solutions for Solar Energy Efficiency, Irradiance Modeling and PV Forecasting' with ISBN: 9798337314341 & DOI: 10.4018/979-8-3373-1434-1.ch003, 10.4018/979-8-3373-1434-1.ch004 in IGI Global Scientific Publishing on August 2025.

## DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

- Ms. A. S. Harina, published a Utility Patent titled "Intelligent Learning System for Enhancing EFL and Mathematical Skills with Adaptability and Sustainability in Higher Education" with Application Number 202541064224A and the patent was filed on 04.07.2025 and published on 11.07.2025.
- A. Aiswarya published a Utility Patent titled "Artificial Intelligence-Enabled Nanostructures for Dynamic Interaction with Cancer Cells and Automated Therapeutic Intervention" with Application Number 202541074577A on 05/08/2025, which was published on 22/08/2025.
- Thivya Rajkumar filed an Indian Utility Patent on "Intelligent System for Early Detection and Diagnosis of Breast Cancer Using Deep Learning" with Application Number 202521085383A on 09/09/2025, which was published on 19/09/2025.

## DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

- Dr. V. Latha Jothi published a book chapter titled "Electricity demand forecasting using baseline deep neural networks and optimizing its performance using genetic algorithm" in the book Multi-Disciplinary Research and Sustainable Development published on 29.09.2025 by CRC Press – Taylor and Francis Group, <https://doi.org/10.1201/9781003675242> with eBook ISSN No. 9781003675242.
- Dr. V. Latha Jothi published a book chapter titled "Augmenting Human Creativity: An Assessment of AI in Art and Music Generation" in the book Advanced AI and Data Science Applications published on 25.09.2025 by CRC Press – Taylor and Francis Group, <https://doi.org/10.1201/9781003543527> with eBook ISSN No. 97810032894652.
- Ms. R. Tamaralasi published a patent "System and Method for Student Performance Prediction using Non-Linear Feature Analysis and Machine Learning (Application No: 202541075926A)" on 05.09.2025.
- Ms. S. Soorya published a patent "Machine Learning-Based Environmental Sensing Device for Monitoring and Controlling Mushroom Cultivation Farms" (Application No: 202541060684 A) on 05.09.2025.

## DEPARTMENT OF SCIENCE AND HUMANITIES

### DEPARTMENT OF GENERAL ENGINEERING

- Dr P. Rajendran - Published a book titled "AI Driven solutions for Solar Energy Efficiency, Irradiance Modeling, and PV Forecasting" Chapter Title "Enhancing the Production of Renewable Energy" on Aug 2025 - IGI Global Scientific Publishing- 10.4018/979-8-3373-1434-1.ch-003
- Dr M. Govindarajan - Published a book titled "AI Driven solutions for Solar Energy Efficiency, Irradiance Modeling, and PV Forecasting" Chapter Title "Integrating Solar Power in Smart Building Designs to Enhance Living" on Aug 2025 - IGI Global Scientific Publishing- 10.4018/979-8-3373-1434-1.ch-004
- Dr M. Govindarajan- Published a book titled "Database Technology" on Aug 2025 - Alpha International Publication- ISSN NUMBER -9789357625302
- Mr S. Karvendhan – Published a patent titled "Self-Adjusting Multi-Terrain Wheel Suspension System For Agricultural And Off-Road Vehicles" on 05/09/2025 – APPLICATION NO: 02541075886A
- Mr S. Karvendhan – Published a patent titled "Low-Cost Dual-Axis Solar Panel Tracker Using Rack-and-Pinion Gear Drive with Temperature Compensation" on 05/09/2025 – APPLICATION NO: 202541076000A
- Dr M. Govindarajan– Published a patent titled "Machine Learning-Driven Nanotechnology-Based Biomedical Devices For Cancer Diagnostics And Therapeutic Applications" on 25/07/2025– APPLICATION NO: 202541067191A
- Mr S. Karvendhan Published a paper titled "Advanced chalcogenide Ga<sub>2</sub>S<sub>3</sub> coatings for reducing reflective loss and boosting efficiency in silicon photovoltaics" Journal of Chalcogenide Letters, Vol. 22, No. 9, September 2025, p. 797 - 806. ISSN NUMBER-1584-8663

#### DEPARTMENT OF MATHEMATICS

- Thilagavathi R published/granted the patent titled "A device and method for Blockchain-based AI Trading System for Real-time Market Analysis and Decision Making". Issue No. 39/2025, 29/09/2025.
- Ramya S published/granted the patent titled "Device for Fuzzy Graph Theory Network Analysis". Design No. 458385-001, 07/08/2025.
- Rathi K, Sumathi M, and Muruganatham S have registered a copyright for their work titled "HFNSimiCalc: A Smart Computing Tool for Similarity Measure between Heptagonal Fuzzy Numbers." Registration No: LD-23445/2025-CO, date of filing: 11/06/2025, Date of ROC: 01/10/2025.
- Rathi K, Gayathri K, Kalaiselvi S, and Jayalakshmi P have published the book: "Foundations of Transform Techniques: Fourier and Z-Transforms" by ESN Publications, Chennai. The ISBN is 978-93-49421-89-9, and it was released in August 2025.

#### DEPARTMENT OF PHYSICS

- Dr. Deepa Jananakumar published a paper on 'A GAN-Based Approach for Automated Plant Disease Classification Using Image Processing Techniques', International Conference on Computing Technologies & Data Communication (ICCTDC) titled 'Electronic ISBN:\* 979-8-3315-2798-3 July 2025
- Dr.S.Ranjitha published a paper on 'Phytogenic Fabrication of ZnO Nanoparticles using Aerva persica (Burm.f.) Merr.: Assessment of Antioxidant, Anti-Diabetic and Antimicrobial Efficacy', International Journal of Advanced Science and Engineering (Scopus) Vol. 12 No. 1 5357-5369 (2025) 5357 E-ISSN: 2349 5359; P-ISSN: 2454-9967
- Dr. Deepa Jananakumar published a patent on 'Machine Learning-Enabled IoT Device for Early Detection of Plant Leaf Diseases Using Image Processing' on 01.08.2025, Application No.202541071118A.
- Dr.S.Ranjitha published a patent on 'Nano photonics: Manipulation of Light at the Nanoscale for Advanced Optoelectronics' on 13.10.2025 Application No.202541099540.
- Dr.P.Kirthika published a patent on 'Nano photonics: Manipulation of Light at the Nanoscale for Advanced Optoelectronics' on 13.10.2025 Application No.202541099540.

#### DEPARTMENT OF CHEMISTRY

- P. Maheswari has published a paper entitled "Green Synthesis of Doped TiO<sub>2</sub> Nanoparticles Using Hybanthus enneaspermus: Antibacterial and Antioxidant Evaluation" in Applied Nanoscience in August 2025.
- M. Priyahas published a paper entitled "Phytogenic fabrication of ZnO nanoparticles using Aerva persica (Burm.f.) Merr.: Assessment of antioxidant, anti-diabetic and antimicrobial efficacy," Int. J. Adv. Sci. Eng., vol. 12, no. 1, pp. 5357–5369, 2025.
- M. Priya has published a paper entitled "Motorized study of Acid Orange 5 on Balsamodendron caudatum lumber waste activated nano porous carbon substance and connecting in AVF technology," Rasayan J. Chem., vol. 18, no. 3, 2025, ISSN: 0974-1496, e-ISSN: 0976-0083.

#### DEPARTMENT OF ENGLISH

- Dr. S. Hemalatha published a patent on the topic 'Enhancing E-Learning with Advanced Machine Learning Techniques to Optimize Student Performance in English as a Foreign Language (EFL)' with application number: 20251075017 on 22.08.2025.
- J. HariPriya published a patent titled 'Automated English Grammar Correction and Enhancement System Using Deep Learning Techniques' on August 22, 2025 with application number: 202541075454.
- Dr. S. Lalitha published a book chapter titled 'Tamizh Padaipaalar Yazhini Munusamy' in the publication named Akhil Pathipagam, Chennai – ISBN- 978-81-989774-0-3 during September 2025.

## AWARDS / RECOGNITIONS

#### DEPARTMENT OF MECHANICAL ENGINEERING

- Dr. R. Kumaravelan has participated in BRIDGE 2025 -Coimbatore (A High Impact Industry – Institute Interaction Event), organized by ICT Academy held on 21.08.2025 at Le Meredien Coimbatore.
- Dr. R. Kumaravelan served as the resource person for an Expert Talk on "NEP 2020", organized for the first-year postgraduate students of VET Institute of Arts and Science, Erode on 11.08.2025.

## GLIMPSES OF VARIOUS ACTIVITIES



The VCET NCC cadets actively participated in a blood donation camp on 17/09/2025.



EDC Inaugural Function and Special Lecture on "Igniting Entrepreneurial Spirit in Young Minds" on 13.08.2025.



The grand 60 Feet National Flag Installation Ceremony on 14.07.2025. - Rotaract Club



The faculty members and students volunteers actively participated and took the Social justice pledge, on 17.9.2025. - Red Ribbon Club



Independence Day celebrations 2025, English Elocution competition (12.08.2025) organized by The Fine Arts Club



Special Aadhaar Card Correction / Updation / Enrollment Camp on 26.09.2025 - YRC



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