VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous)
Accredited by NAAC with 'A+' Grade & Accredited by NBA
Thindal, Erode – 638 012

Newsletter

INTERNAL QUALITY ASSURANCE CELL (IQAC)

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MESSAGE FROM THE PRINCIPAL

It is with great pleasure that I greet all my students, faculty, and parents as we approach the start of a new academic year. With fresh goals set for the future, every academic year is a new height reached and another dream fulfilled. Every student is encouraged to realize his/her greatest potential. I would like to state that there were many obstacles, but we conquered them with the support and direction of the kind hearted people who have been by our side throughout our quest for greatness. Every member of the team has made a meaningful contribution indifferent ways. The moment has come for us to look back on all of the work we have done over the years. In the upcoming months, we will examine it more closely in order to maintain the best practices and identify areas for future improvement. The goal of the placement process is to demonstrate the abilities, commitment, and capabilities that students have developed while studying here, not only to land on a suitable job but also for their future endeavours. I implore everyone to take pleasure in this chance with confidence and zeal. All academic and extracurricular activities are advanced by VCET, which undoubtedly satisfy parents' and students' expectations. I convey my warmest regards for continued achievement in the days ahead to the faculty and students.

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

Association Activities :

• In association with BMESI student chapter, Kaizen Club &Techmedica Club, the Association of BME - BIONIKX was formally inaugurated on 25.07.2024. Dr.K.M.Abul Hasan MS.,M.Ch.,FICS., FIAGES., President, IMA TNSB, Consultant Pediatric Surgeon, Laparoscopic Surgeon, Managing Director, City Hospital, Erode was the chief guest.

• IEEE student branch organized aguest lecture on 'Next Generation Engineering- Technologies for Tomorrows Careers' on 27.07.2024. Mr.Venkatesh Panneerselvam, Process Associate, Medical Communications, iMedic Medical Solutions was the chief guest and delivered the lecture.

• IEEE student branch organized a workshop on '3D Printing for Medical Applications' on 10.08.2024. Mr.Guru Prasandh G,CEO & Founder, Meds by Healthcare & Engineering Solutions was the chief guestand handled the session.

• IEEE student branch organized aguest lecture on 10.08.2024. Mr. M. Sarveshkumaran, Software Test Engineer, Capgemini India Pvt. Ltd delivered a talk on 'Life of Biomedical Engineer's' for the benefit of the students.

• On the occasion of Independence day, the association – BIONIKX organized a visit to the Karunalaya Orphanage, Mullamparappu, Erode on 15.08.2024. Faculty members and students provided refrigerator, groceries, stationary things and clothes to the needy.

• BIONIKX in association with IEEE student branch organized a value added course on the topic 'Advanced Biomedical Engineering Solutions: From Conceptual Design to Prototype and Market–Ready Products' on 19.08.2024 to 24.08.2024. Mr.R.Karthick, Sr.Developer, SAN Technovation, handled the course.

• IEEE student branch organized awebinar on 'An Engineering Approach on Fatty Liver Diagnosis: Physicians Perception' on 02.09.2024. Dr.Sanoop Kumar SherinSabu, M.B.B.S., M.D., FCPM, Dr.NB Medical Gastroenterology Resident, GEM Hospital and Research Institute Chennai was the chief guest of the program.

• Book Donation Ceremony was organized on 9.09.2024. DrPalanivelu, Managing Director, GEM Hospital, Coimbatore was the chief guest and motivated the students to donate books for the benefit of the society.

• IEEE student branch organized aninter department paper presentation TECH-GEN-2K24 on 19.09.2024. Faculty members of VCET acted as jury for the sessions.

• In association with BMESI student chapter, IEEE student branch organizedanone day seminar on 21.09.2024. Mr.R.Suryarajan, Design Control Engineer, Alcon Laboratories, Bengaluru gave a talk on 'Career Opportunities in Biomedical Engineering – An InterdisciplinaryApproach'.

Placement Activities:

• Kanagavelu S T got dual placement in Clarus Rcm Infoech (India) Private Limited, Chennai and Infinity Biomedical, Coimbatore.

• 6 students got placement in KG Invicta Services, Coimbatore.

- 46 students got placement in Clarus RCM Infoech (India) Private Limited, Chennai.
- Kanimozhi S got placement in Udhayam Medicare, Coimbatore.
- Srihari M got placement in Hexa Healthcare, Nagercoil.
- 5 students got placement in Mrudaan Technologies, Chennai.

Students Activities:
- Second year students underwent industrial visit at Cyrix Healthcare Pvt Ltd.,Kochi on 13.09.2024.
- Third year students visited Tamar Health Care System & Service,Pondicherry on 13.09.2024 as part of their industrial visit.
- Vaishnavi K S won the third prize in Story Writing Competition conducted by ELA-VCET.
- Sharavana K L attended an internship training titled 'Biomedical Equipment' from 08.07.2024 to 13.07.2024 at Gem Hospital, Coimbatore.
- Vaishnavi K S and Madhumitha M attended non-technical events in technical symposium organized by KSR College of Engineering, Tiruchengode on 28.09.2024.
- Mansa Devi K and Kaviashree Rangasamy presented a paper titled 'Unlocking the Genetic Code: The Power of CRISPR Technology' at KSR College of Engineering, Tiruchengode on 28.09.2024.
- Madhumitha M, Vaishnavi K S, Pooja Lekshmi R V and Vijaya Srinivas S presented a paper titled 'Recent trends in Healthcare' at KSR College of Engineering, Tiruchengode on 28.09.2024.
- Vishnu Priyanga A R attended a workshop on 'Biomedical Equipment' at GKNM Hospital, Coimbatore on13.07.2024.
- Sanmathi L attended a workshop on 3D Modeling Animation at KSR College of Engineering, Tiruchengode on 27.08.2024 and 28.08.2024.
- Sanjai S,Vinoth Kumar A,Praneetha K,Praniga L and Sarvika M M attended internal hackathonunder the team named 'Aqua Innovators' at VCET on 23.08.2024.
- Aachikaa R E,Aathi Shree T K,Arunachalam C, Delsika J,Gopivarshan S and Keerthana T attended internal hackat honunder the team named 'GRYFFINDOR' at VCET on 23.08.2024.
- Balajie K N attended internal hackathonunder the name 'Tech Titans' at VCET on 23.08.2024.
- Sharavana K L attended mind hacking course titled 'Improve Academic and Career Success' on 22.08.2024.
- Balajie K N participated in AURA'24 technical hackathon at Bannari Amman Institute of Technology, Sathyamangalam on 26.09.2024 to 27.09.2024.
- Sriman Sankar S and Sanjai S attended hospital training at Care 24 Medical Centre & Hospital, Erode from04.07.2024 to 10.07.2024.
- Rajeshwari S participated in Poster Designing competition titled 'Design Elegance Showcase' on 29.07.2024.
- Janane K S acted as a volunteer on IEEE R-10 Young Professionals Upskill 2024-Madras event at Sri Krishna College of Engineering and Technology, Coimbatore on 28.09.2024.

DEPARTMENT OF CIVIL ENGINEERING

Programs organized:

IEI –Student Chapter Inauguration:
On 01.08.2024, the Department of Civil Engineering inaugurated the Institute of Engineers (India) – Students' Chapter with 53 IE(I) student members. The office bearers were introduced by Mr. C. Pranesh, IE(I) Faculty Advisor. Dr. R. Kumaravelan, Chairman, IEI Erode Local Centre, served as the chief guest and delivered a valuable keynote address to the IE(I) student members. During the session, the chairman emphasized IEI's role in promoting engineering excellence and the professional development of our country.

Students Association Inauguration:
The Renowned Association of Civil Engineers, RACE was formally inaugurated on 09.08.2024 for the academic year 2024 - 25. Er.E.R.K.Nishok, Director, M/s.BuildAid Engineers Private Limited, Velalar College of Engineering and Technology Campus, Erode was the chief guest and he also delivered a special lecture on 'Global Opportunities for Civil Engineers'. 109 Students were get benefitted from the event.

Autocad Workshop:
The IEI Student Chapter (Civil) and the Department of Civil Engineering at VCET organized a two-day workshop on '3D Software – AutoCAD', held on 12.08.2024 & 13.08.2024. All sessions, both theoretical and hands-on training, were conducted by Mr.Adhavan, Managing Director, and Ms. D. Nithyanandhi, Training Engineer,CaDD Centre, Erode. The workshop covered topics including the conversion of pictorial views to orthographic views, sectional orthographic views, reading orthographic projections (missing views), and isometric views.

Value added course-Revit Architecture:
One week value added course titled 'Revit Architecture (BIM)' was conducted from 04.09.24 to 06.09.24 and 09.09.24 to 11.09.24. Er. R.Udayasankar, Managing Director, M/s. BTR Construction, Erode was the resource person. 49 Students got benefitted from the programme.

Technical Symposium:
Our college conducted the Students' Technical Symposium, RACES-2024, on 13.09.2024. Mr. K.R.Deepak, Assistant Manager (Air Traffic Management), Airports Authority of India, Trichy International Airport, delivered the inaugural address. Students from various institutions in and around Erode participated in the event. A total of 60 technical papers were submitted, of which 27 were selected for presentation. Technical events such as paper presentations, code cracking, and CaDD contest were organized by our students. At the end, cash prizes were awarded for the innovative theme work.

Grant Received:
Mr. C.Pranesh received a grant from TNSCST for the student project titled 'Concrete In-Filled Steel Tubes with Steel Slag as Partial Replacement for Coarse Aggregate' for the academic year 2023-24.

Industrial / Technical visit:
A technical visit to the proposed construction site of M/s Nishanth Hospital building at Thindal, Erode, was arranged on 18.09.2024 for third-year students (Batch 2022-26). During the visit, the construction of the third-floor Post-Tensioned (PT) slab was in progress, and the detailed working drawings of the PT slab were explained to the students, making it a valuable learning experience.

IEI-Student's chapter (Civil) and Department of Civil Engineering have arranged an industrial visit to Cochin port, Cochin, Kerala for the second year students (Batch 2023-27) on 21.09.2024. During the visit to Cochin Port, students explored port operations, cargo handling techniques, and maritime logistics, gaining exposure to real-world applications of coastal engineering.

Placement Activities:

Our final-year student, Vishnumoorthy P, secured an internship with placement at M/s Conserve Solutions, Chennai, as a Graduate Engineering Intern with a stipend of Rs. 15,000 per month.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Programs organized:

• Ms.Vidhya R andDr.Gokulraj S have organized a five day Faculty Development Program on 'Research Methodologies for Science, Management and Engineering' sponsored by NITTTR, Chandigarh from 19.08.2024 to 23.08.2024 at Velalar College of Engineering and Technology, Erode.

• Ms.V.RaagaVarsini andMs.S.Devisri have organized a five day Faculty Development Program on 'Personality Development' sponsored by NITTTR, Chandigarh from 05.08.2024 to 09.08.2024 at Velalar College of Engineering and Technology, Erode.

Association Activities:

• The Association of the Department of CSE 'MAGNUMOPUS' organized an orientation program for second year students on22.07.2024.

• The Association 'MAGNUMOPUS' held its inaugural function for the academic year 2024–2025, with Mr.Shanmugavel Subramani, Director of Engineering, YUBI, delivering a lecture on 'Software and Fintech.'

• The Association 'MAGNUMOPUS' with 'Hackersbay Club' organized hands on training on 'Version Vault: Unlocking Git and Git Hub' on 17.08.2024.

• The Association organized an event 'Quiz Whiz' on 27.08.2024.

• The Association organized a hands-on training on 'Networking Concepts' by Mr. A. Vinod Kumar, Training Manager, and Mr. S. Vinoth Kumar, Managing Director of NWE Consulting Services, Erode, on 21.09.2024 and 28.09.2024.

Club Activities:

• Pylamp, HackersBay, Data Pirates and Tech Crew clubs were inaugurated on 16.08.2024.

• Pylamp club conducted the 'Mentor Recruitment Test' on 24.07.2024 by Lamin Muhammed M of final year CSE and 'Curiosity Corner' on 06.08.2024, with Karunya G S leading the event.

• Pylamp club conducted 'Domain Realm' event on 22.08.2024, organized by Sindhu Sri K and Vishaal N K of third year CSE and 'Web Forge Innovators' on 19.09.2024 with ShakthiVarshaa R and Kabinthra B P coordinating the event.

• Pylamp club conducted an online session titled 'Top 10 Open Source AI Websites for Students in 2024' on 26.09.2024, by Eesha Mishra V ofsecond year CSE and 'Low code / No code' development platforms on 03.10.2024, led by GunavathiN of second year CSE.

• Hackers Bay club conducted hands on training 'Cyber Threat Awareness Program' on 01.08.2024, a workshop on 'Devops Tools' on 13.08.2024, a training program on 'Version Vault' on 17.08.2024, aninduction program 'Introduction to CTF' on 25.08.2024 and conducted an awareness program 'Practical Tips for Personal Security' on 18.09.2024.

Placement Activities:

• Krithika Sankari M offinal year CSE got placement in FocusR Technology, Chennai, for the position of Trainee Developer, with a CTC of 3.00 lakhs per annum.

• Geethasri D of final year CSE got placement in RapidData Technologies, Chennai, for the position of Trainee Developer, with a CTC of 4.5 lakhs per annum.

• 86 students of Final CSE have attended campus recruitment drive conducted by M/s Glenwood Systems, Chennai on 05.07.2024.

• 100 students of final year CSE have attended campus recruitment drive conducted by M/s DeltaX Technologies, Bengaluru on 09.09.2024.

Students Activities:

Prize Winners:

• Karunya G.S, Harshini V.M, Deevith M, and Sanjay K of third year CSE participated in 'Fossee Animate 2024' and won the first place with a cash prize of ₹10,000.

• Swetha P, Merlyn A.S, Tharun P, and Yaswanth R of third year CSE participated in 'Fossee Animate 2024' and won the Innovation Award with a cash prize of ₹2,000.

• Brindha V C, Lalithya T, Elango M, and Bhavadharani S of third year CSE participated in 'Fossee Animate 2024' and won the Consolation Prize with a cash award of ₹1,000.

• The project 'Solat Watts' was implemented and presented by Elanngo M, Mukilan S S,Piruthvi M, Vijay K, and Sudarsan M of third year CSE as part of the PALS Innowah initiative at IIT Madras, Chennai.

• Gunavathi N of second year CSE participated in the 'Effective Public Speaking' event held on 01.09.2024 at Sri SundarMahal, Sathy and won the first prize with a cash prize of Rs.3000.

• Gunavathi N of second year CSE participated in the 'Tech Sarayu - Paper Presentation' event held on 13.09.2024 at Sengunthar Engineering College, Thiruchenode and won the first prize with a cash prize of Rs.1000.

Technical Event:

• Haries Mugunthan G, Kishore S and Naveenya P of second year CSE participated in the 'Spring Fest-Paper Presentation' event held on 27.09.2024 at KSR College of Engineering, Thiruchenode.

• Gowtham T of second year CSE participated in debugging and quiz events held on 27.09.2024 at KSR College of Engineering, Thiruchenode.

• Kishore S of second year CSE participated in debugging event held on 27.09.2024 at KSR College of Engineering, Thiruchenode.

• Kamini V, Devadarshini V and Kabinthra B P of second year CSE participated in the 'Xlaratz-24' event held on 05.09.2024 at Salem College of Engineering and Technology.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Programs organized:
• EEE-EDC-IIC organized a special lecture by Ms. V.Gomathi, AP/IT on the topic 'Anroid App in Entrepreneurship Growth' for the students on 6.08.24.
• EEE-EDC-IIC organized a special lecture byMs. S.GokulaBrindha, AP/EEE on the topic 'Marketing Strategy For Startups' for the students on 6.08.24.
• Mr. Pradeep R and Mrs. Gokula Brindha S organised a five day IIT PALS - Industry Assisted Lecture Series titled 'Energy Efficiency and it's Assessment Methodology' for the benefit of third year EEE students between 12.09.2024 to 26.09.2024. Resource partner for the program is The Energy Consortium, IIT Madras.

Association Activities:
• The Association of Electrical and Electronics Engineering EMERFLUX formally inaugurated for the current academic year on 29.07.2024 a guest lecture entitled 'Energy Conservation & Electrical Safety' was also organized. Mr.K.Komarasamy, AMIE., M.E., Assistant Executive Engineer / O&M/ East/ Sathyamangalam, TNEB, Gobi Electricity Distribution Circle, Gobichettipalayam addressed the students who were benefitted by the same.
• The association organized a National Level Technical Symposium on 5.10.2024.
• In view of Independence day, the association has organized for charity activities at 'Helping Hearts' – Orphanage, Erode and donated needy things for the inmates.
• EMERFLUX conducted a seminar entitled 'Cyber Crime Awareness' for the benefit of the students on 23rd August, 2024 at 2.00 pm by Mr.A.Sudhagar, B.E, (Alumni 2012-2016 Batch), Cyber Crime Wing, Tamilnadu Police, Erode District.
• The Association organized a seminar on 'Career Opportunities in Embedded Systems' for the second year EEE students by S.Karthick, M/s. SAN Technovision, Perundurai on 21.09.24.

Placement Activities:
• 14 students of final year EEE (2021-2025) got placement in campus drive by M/s.GESTAMP Automotive Chennai Private Limited, Chennai.
• 2 students of final year EEE (2021-2025) got placement in campus drive by M/s. Industrial Engineering Consortium, Erode.

Students Activities:
Hackathon:
• 10 teams from second year and third year EEE students presented their ideas in SIH 2024 under variety of titles at VCET on 21.08.2024.
Participation:
• Jayashri V, Srimathi P, Kanika B, Praveena L, Anusuya V andAkila M Kof third year EEE students presented papers in SPRING FEST2K24 at KSR College of Engineering, Thiruchengode on 21.10.2024.
• Dhanush D, Sasuna N, Janani K, Jayashri V, Srimathi P, AnusuyaV, Susmitha M,and Kalaivani S of third year EEE presented papers in TECH GEN 2K24 at VCET on 19.9.2024.
• Gowri Raja L of third year EEE participated in Startup TN at VET Institute of Arts and Science College on 16th and 17th August 2024.
NPTEL Online Certification:
• 106 students of second year and third year EEE students registered for various NPTEL online certification courses.
Industrial Visit:
• 47 students of third year EEE along with 03 faculty members underwent an industrial visit to Kerala Electrical &Allied Engineering co. Ltd. (A Government of Kerala Undertaking), Mamala, Kochi on 21.09.2024.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Programs organized:
• A seminar on 'Advancement of Smart Electronics and Energy Storage' was conducted on 25.07.2024 for the final year ECE students.
• A seminar on 'Revolutionizing the Future: Exploring Embedded Systems and IoT Innovations' was conducted on 27.07.2024 for the second year ECE students.
• Technical and Non-Technical Events (Group Discussion & Debate) were conducted on 27.07.2024 for the second year and third year ECE students.

• A seminar on 'Chip Level Testing & Debugging for Smartphone & Laptops' was conducted on 06.08.2024 for the third year ECE students.
• A seminar on 'Full Stack Development' was conducted on 07.08.2024 for Third year ECE students.

IEEE-CS & IETE Activities:
• IEEE-CS Members Congregation on 'IEEE-CS Members Congregation' was conducted on 23.07.2024 for IEEE student members.
• In house seminar on 'Wireless Mobile Communication' was conducted on 06.08.2024 for third year ECE students.
• Quiz & gamifier programs under the title 'Tech Buzz'24' was conducted on 14.08.2024 for third year ECE students.
• A workshop on 'Transforming Data into Actionable Insights with Power BI' was conducted on 27.08.2024 for third and final year ECE students.
• Design challenge on 'Design Challenges – Electronic Circuit Debugging Using Proteus' was conducted on 28.09.2024 for IEEE student members.

Association Activities:
• Independence Day on 15.08.2024 was celebrated at Helping Hearts Trust, Gandhipuram and Mariyalaya, Kaspapettai, Erode. Staff members and students donated stationery items and grocery items to the children on behalf of CENIREA association.
• Inaugural function of ECE student association - CENIREA & IETE student forum and special lecture on 'Manufacturing Execution Systems' was conducted on 16.08.2024 for all the ECE students.
• 20th national level technical symposium of ECE student association - CENIREA & IETE student forum was conducted on 13.09.2024.

Hands on Training:

• Hands on training on 'Soft Skills and Digital Branding' were conducted on 23.07.2024 for final year ECE students.

Placement Activities:

• 124 students of final year ECE attended campus drive conducted by M/s SOTI, Kerala on 27.07.2024 and one student got shortlisted for the next round.

• 95 students of final year ECE attended campus drive conducted byM/S Glenwood Systems on 05.07.2024 and Dhanashri S got placement in it.

• 120 students of final year ECE attended on campus placement drive conducted by M/s KGiSon 08.08.24 and Brindha S, Devika U, Mathumita R A and Navina S got placement in it.

• 118 students of final year ECE attended on campus placement drive conducted by M/S Cognizant, Chennai on 12.09.24 and 90 students got shortlisted for the next round.

• 124 students of final year ECE attended soft skill training by Aspire training Systems from on 06.09.24 and 09.09.24

• 118 students of final year ECE attended on campus placement drive conducted by M/S Juspay on 20.09.24 and 4students shortlisted for the next round.

• Placement Practice testsare being conducted to all the second, third and final year ECE students through Examly Portal from 01.07.24.

Students Activities:

• HariKailash, HrithikashAbi Raj and Kowshick of second year ECE presented a paper titled '6G Wireless Revolution' organized by Hindusthan Institute of Technology, Coimbatore on 25.09.2024.

• Ponsankar R, Praveen C,Ponsruthi R and Pavithra M of third year ECE presented their paper titled 'Quantum Computing'organized by KSR College of Engineering, Thiruchengode on 28.09.2024.

• 10 teams from second year and third year ECE presented their idea in SIH 2024 under different titles at VCET on 21.08.2024.

DEPARTMENT OF MECHANICAL ENGINEERING

Association Activities:

• Commenced the activities of the FAME and SAEINDIA VCET Collegiate Club for the academic year 2024-25 on 05.08.2024. Mr.R.Ranjith Kumar, Senior CAE Engineer, Stellantis India, Chennai was the chief guest and delivered a special lecture on 'Exploring CAE Tools and Innovations'. During his presentation, he provided insights into the current opportunities in CAE field and the industry landscape, offering valuable guidance for students to chart their path toward achieving their career goals. Mr.R.Ranjith Kumar is a renowned alumni ofbatch 2012-2016.

• As part of curriculum enhancement, a workshop titled 'One Day Hands on Training on Foundation to CAD using AutoCAD' was conducted on 09.08.2024 for the secondyear students. The training session was conducted by Ms.D.Nithayanandhi, CADD Engineer, CADD Centre, Erode. The students gained valuable insights and acquired practical skills in various aspects of design.

• The association organized a guest lecture on 'Cultivating a Positive Attitude for Growth' on 23.08.2024. Mr.T.Monish, a distinguished alumniof batch 2016-2020, Technical Officer, Indian Army was the chief guest. His enlightening talks motivated the students in their pursuit of career growth, setting goals, and building confidence.

• The association conducted a workshop for second year students on '3D Modelling Software' on 27.08.2024. Mr.S.Arunraj, CAD Engineer –Technical,CADD Centre, Erode, provided training and a demonstration of CAD software to the students emphasizing its pivotal role and significance in industrial design processes.

• The association organized a workshop on 'Electrical Vehicle and its Features'on 12.09.2024, for third year students.Mr. DhamodharanKaruppusamy, Co-Founder & CEO, Mr.D.Arulmozhiselvan, Technical Trainer, VAMP Innovations Pvt Ltd, Coimbatore have interacted about the basics of EV design, EV features and technology and gave hands on training on EV bikes. The students enthusiastically participated and gained insights into EV basics, emerging trends in EV design, and the significance of EVs in the future.

Placement Activities:

• 39 final year students of batch 2021-25 attended campus recruitment drive conducted byGestamp Automotive Chennai Private Limited, Chennai and 12 students got placement in it.

• 20 final year students of batch 2021-25 attended campus recruitment drive conducted by KG Invicta Services Private Limited, Coimbatore and 1 student (Jayashree S-732921MER013) secured a job in it.

• 145 final year students of batch 2021-25 attended off campus recruitment drive conducted byReanult Nissan Technology and Business Centre, Chennai,ChargeBee, Chennai, Juspay, Chennai, Cognizant, Chennai, Soti, Chennai and Industrial Engineering Consortium, Erode.

Students Activities:

• Naveen Ram C S, Painthamilan A, Santhosh S & 9 others attended the workshop on Computer Aided Manufacturing at Loyola ICAM College of Engineering and Technology, Chennai on 21.09.2024.

• ShriHarsan M andJayashree S attended 'Drone Development Challenge 2024' at SRM Institute of Science and Technology, Chennai on 29.08.2024 & 30.08.2024.

• 9 students participated in the 9th'SAE India Southern Section Drone Development Challenge 2024' from 29.08.2024 to 31.08.2024

• 10 students attended workshop on Capacity Building for Industrial Needs conducted by Tamilnadu State Council for Science and Technology. Chennai.

• 14 students participated in the internal Hackathon 2024 at VCET on 22.08.2024 & 23.08.2024.

• 9 students attended workshops, 4 students attended seminar, and 3 students participated in mobile photography conducted by various institutions.

• 55 second year students underwentindustrial visit to M/s. Sea Blue Shipyard, Kochi on 06.09.2024.

• 63 third year students underwentindustrial visit to M/s. Tamar Healthcare System and Service, Cuddalore on 21.09.2024.

NPTEL Certificate:

• One student has registered for 'Introduction to Industry 4.0 and Industrial Internet of Things' course, 61 students have registered for 'Work System Design' course, 50 students have registered for 'Product and Brand Management' course and 1 student has registered for 'Thermodynamics' course in July - Dec 2024.

DEPARTMENT OF MEDICAL ELECTRONICS

Programs organized:
• The department inaugurated the students' association - MEDIECLETIX, Med Tech Club, and BMESI, for the this academic year featuring esteemed chief guest Ms. G. Meenakshisundari, Assistant Manager at Samsung Electronics India Pvt. Ltd on August 7, 2024. The event brought together students and faculty to celebrate their shared commitment to passion, innovation, and collaboration in medical electronics.

• The department, in association with Arasan Eye Hospital, conducted a three-day Eye Screening Camp from August 8 to 10, 2024, for all teaching and nonteaching faculty members, students, and supporting staffs of our college.
• The department hosted a two-day PAN Card Mela on September 26 and 27, 2024, providing essential PAN card services for applications and corrections to all students and staff in the college.
• In collaboration with PSG Hospital and the Rotaract Club, the department organized a successful Health Camp in Krishnampalayam, Erode, on September 29, 2024, offering essential medical services to the community.
• A one-day workshop on Profile Building and Personal Branding was organized by the MEDIELECTIX students' association and Med Tech Club on September 30, 2024, for second and third year students.

Students Activities:
• Shalini S, Saranya M, Praveena S and Dharani P of final year MDE secured the second place in the 'Theervuathon' event organized by PSG College of Arts and Science, Coimbatore, earning a cash prize of ₹7,500 on August 6, 2024. They also secured the first place in the 'GreenhatHackathon' organized by VET IAS College of Arts and Science, Erode, winning a cash prize of ₹10,000 on August 16 and 17, 2024. The team also received Startup TN smart cards at the 'Adukalam' event organized by Velalar College of Engineering and Technology, Erode, on September 20, 2024.
• Shalini S, Saranya M, Praveena S and Dharani P of final year MDE secured a three-month internship at Spark Minda Company in Hosur, with a stipend of ₹14,500.
• DhivyaTharshini M and Dhivyadharshini V of third year MDE secured the first runner-up in the EDII's HACKATHON event organized by Bharathiyar University, Coimbatore, winning a cash prize of ₹25,000 on September 18, 2024.
• Lipikatharshini S, DurkaNanthini M and Deepaksaravanan S of second year MDE secured the second place in the 'Pharma Technical Quiz'in the National Level Technical Symposium organized by Sengunthar Engineering College, Tiruchengode, on September 21, 2024.

DEPARTMENT OF INFORMATION TECHNOLOGY

Association Activities:
• A seminar on 'Unlocking Potential: Key Skills for Success in IT' was conducted on 05.08.2024.
• Inaugural function of Infoauxano Association was conducted on 13.08.2024 for the benefits of students.
• For Programmer's Day, a Programming Contest through Examly portal was conducted on 13.09.2024 for all departments UG students.
• Video creation contest on the theme'Impact of Engineering from Ancient days to till date' was conducted on 16.09.2024 in view of Engineers' Day celebration.
• 20th national level technical symposium was conducted on 05.10.2024.

Placement Activities:
• Mahadevan N and Muhamudha Aqsa M A of final year got placement offer in Rapid Data Technologies.

Students Activities:
• 6 students of third year IT presented papers titled 'Environmental Radiation' and'Radiation Safety' conducted by Hindusthan Institute of Technology, Coimbatore on 22.08.2024.
• 3 students of third year IT presented a paper titled 'Artificial Intelligence' conducted by KSR College of Engineering, Tiruchengodeon 27.09.2024.
• 4 students of second year IT presented papers titled 'VLSI' and 'Internet of Things' conducted by KSR College of Engineering, Tiruchengode on 28.09.2024.
• 3 students of third year IT attended a workshop on 'Flutter' conducted by Kongu Engineering College, Perundurai on 09.08.2024

• 7 students of third year IT attended a workshop on 'Python for AIML' conducted by KSR College of Engineering, Tiruchengode on 28.09.2024.
• 4 students of third year IT presented a project titled 'Techi Drones' inHackathonconducted by DMI College of Engineering on 28.09.2024.
• 46 students of third year IT completed value added course 'Node JS with Mongo DB' from 09.09.2024 to 17.09.2024.
• 7 students of final year IT underwent internship to various companies.

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Programs organized:
• A seminar on 'Transforming the Way, We Drive Data Science In Self Driving Vehicles' was organized for the benefit of students. Mr.Rajkumar P P, Software Specialist, Bosch Global Software & Technologies handled the session on 21.08.2024.
• A seminar on 'Navigating The Future: Choosing The Right Career Domain In A Fast-Changing World' was conducted on 22.08.2024by Dr.Jayaprakash Natarajan, Lead Consultant, Infosys, Bangalore & Mr.Navaneethan Gunasekaran, Co-Founder And COO, CubeAI Solution Tech Pvt Ltd, Bangalore.
• Hands on training on 'Python' was given by Swarnamanjari B, Data Scientist, Boo world on 19.09.2024 for the benefits of the students.
• Hands on training in 'Machine Learning' was offered by Farhadh Manaz, Chief Technology Officer, Svasti Technology on 20.09.2024 and 21.09.2024 for the benefit of the students.

- Hands on training on 'Data Visualization' was provided by Mr. A. Vinod Kumar, Training Manager & Mr. S. Vinoth Kumar, Managing Director, NWE Consulting Services.
- A Memorandum of Understanding (MOU) with Cube AI Solutions Tech Private Limited to explore collaborative opportunities and to enhance the strategic partnership. A seminar on 'Enterpreneurship' was conducted by Mr. Navaneethan Gunasegaran, Founder, AI Cubes Company, Erode, on 22.08.2024 for the benefits of the students.

Association Activities:
- The Association of Artificial Intelligence & Data Science ASPYRA was formally inaugurated for the current academic year under the title 'Thrive in AI' 12.08.2024, for the benefits of the students. The function was felicitated by Mr. Vetrivel Chinnasamy, Senior International Project Manager, Microsoft R&D India Pvt.Ltd, Bengaluru.
- A seminar on 'AI Toolblitz'with club members of third year was organized on 17.08.2024.
- The event 'Mind Forge' was conducted on 28.09.2024 for the benefits of the second year and first year students.

Students Activities:
- Harsadha J and Kanagathara S of second year AIDS secured the second and third prizes respectively for puzzle solving in KSR College of Engineering, Tiruchengode on 26.9.24.

- 10 students of second year AIDS presented papers titled 'Current Trends in Computer Science and Information Technology' and 'Recent Trends in Computer Science and Information Technology' conducted by KSR College of Engineering and Technology, Tiruchengode on 26.09.2024.
- 9 students of second year AIDS presented papers titled 'Emotional Intelligence in Human-AI Collaboration','AI in Autonomous Vehicles', 'AI in Gaming' and 'Sixth Sense Technology' conducted by KGiSL Institute of Technology on 01.10.2024.
- 3 students of third year AIDS presented a paper titled 'Explainable AI' conducted by Velalar College of Engineering and Technology on 19.09.2024.
- 3 students of third year AIDS presented a paper titled 'AI in Space Exploration' conducted by KGiSL Institute of Technology on 01.10.2024.
- 3 students of second year AIDS attended the workshop on 'UI/UX Design with Figma' conducted by KSR College of Engineering on 28.09.2024.
- Deepana P M of second year AIDS attended the workshop on 'Digital Marketing' conducted by Nandha Engineering College on 12.09.2024.
- Priya S of third year AIDS completed the online course Introduction to Data Structure Algorithm on 6.7.2024, Introduction to Artificial Intelligence on 26.9.2024 and Data Science course on 06.09.2024.

- Varsha R of third year completed the online course Problem Solving Using Python on 10.08.2024, Python Pandas on 01.09.2024, Data Science on 05.08.2024 and Introduction to Artificial Intelligence on 07.08.2024.
- Priya S of third year participated in the online seminar 'Freedom with Ai Master Class' on 06.08.2024.
- 3 of the second year students participated in the Quiz Program conducted by KSR College of Engineering, Tiruchengode on 26.9.24.
- 2 of the second year students participated in Technical Program (Error Debugging)conducted by KSR College of Engineering, Tiruchengode on 26.9.24.
- 10 of thesecond year students participated in Tech Quiz Program and Technical Program (connectix) held atKGiSL Institute of Technology on 01.10.24.
- Esther Gnana Mary T of second year participated in Hackathonevent organized by St Joseph's College of Engineering and Technology from 13.09.2024 on14.09.2024.
- 32 of the third year students underwent internship at various companies.
- 4 of the third year students participated in 'Innovation, Design and Entrepreneurship' (IDE) boot camp at National Institute of Technology, Surathkal, Karnataka, on 23.09.2024 and 27.09.2024

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Association Activities:
- The Association of Artificial Intelligence and Machine Learning-ARINMACLES and club ELYNDROS were inaugurated for the current academic year on 21-8-2024. Mr.RajKumar P.P, Software Specialist, Bosch Global Software and Technologies, Coimbatore has given a special lecture on 'Transforming Tomorrow with AI'.
- 20th national level students' technical symposium was conducted on 13.9.2024.
- Hands on training on 'System Maintenance' was conducted on 21-9-2024 by association members of AIML.
- A seminar on 'Augmented Reality / Virtual Reality' was conducted on 25-9-2024.Mr.Sajath Ahamath, Unity Developer and Trainer, Tech-iera Innovations Pvt Ltd, Chennai, was the resource person.
- Fun Flock, an event focussed on exciting fun games and debate was organised by office bearers of Elyndros on 26-9-2024.

Placement Activities:
- 'Soft skills Training Program' was conducted on 4th & 5th September 2024.

Students Activities:
- Sanjai S and Vengadeshwaran K participated in cricket match(A Square Trophy) held at Erode Sengunthar Engineering College,Thuduppathi during 29.07.24 and 03.08.2024.
- Bharath S and Kavindran T participated in volleyball match (CM Trophy) held at Kongu Engineering College,Perundurai on 12.09.24.
- Sanjai S and Vengadeshwaran K participated in cricket match(CM Trophy) held at Erode Sengunthar Engineering College, Thuduppathi during 23.09.24.
- Vishnusabari V participated in Silambam (CM trophy) held at VOC Park, Erode from 24.9.2024 to 25.9.2024.
- Two teams participated in the GreenHat Boot Camp held at VET Institute of Arts and Science College on 16.08.2024 and 17.08.2024.
- Two teams got selected in the internal hackathon for SIH 2024 held at Velalar College of Engineering and Technology on 23.08.2024.
- All the students visited the 'Masco Tea Factory' at Vagamonas part of industrial visit on 28.09.2024.

DEPARTMENT OF MANAGEMENT STUDIES

Association Activities:

- I MBA (2024 – 26 Batch) was inaugurated on 22.08.24. The function was felicitated by Thiru.S.D.Chandrasekar, Secretary & Correspondent.
- Velma Association was inaugurated for the current academic year and a special lecture was delivered on the topic 'Recent Trends in Management' on 29.08.2024. Shri. S. Karthikeyan, Career Tree HR Solutions (P) Limited, Coimbatore, Tamilnadu was the resource person.
- An orientation programme on the topic 'The Relevance of Management Principles form Thirukural in the Present Context' was organized on 02.09.2024. Dr . K.R. Valluvan, Professor – ECE & COE, VCET delivered the lecture and Dr.R.Mynavathi, Professor & Head/IT, VCETaddressed the studentson the topic 'AI in Management'.
- An orientation programme on the topic, 'Managerial Skill in Industrial Engineering' was organized on 02.09.2024. Dr.S.K.Manikandan, Professor / BME, VCET was the resource person.
- An orientation programme on the topic 'Managerial Skills in Industrial Engineering' was organized on 02.09.2024.Dr.V.K.Manavalasundaram, Chief Coordinator (I&I) & Professor – IT, VCET delivered the lecture.
- An orientation programme on the topic 'Underived Focus for Achieving Goals' was organized on 03.09.2024.Dr. M. Eswaramurthi, Professor & Head – S&H, addressed the students and Dr.K.Vanchinathan, Associate Professor & Coordinator IIC, VCET addressed the students on the topic 'Design Thinking & Innovation in Business'
- An orientation programme on the topic 'Role of Managers in Hospital' was organized on 03.09.2024.Dr. S. Mangai, Professor & Head / BME, delivered the lecture and Dr.S.Jabeenbegum, Professor & Head / CSE addressed the students on the topic 'Cyber Security in Business Management'.
- A workshop on the topic 'Yoga for Intuition and Intellectual Development' was organized on 04.09.2024. Shri. Yogi Anandaswamy, Yoga Specialist & Trainer, Ananda Marga Pracharaka Samgha, Coimbatore was the resource person.
- An induction programmeon the topic 'Career Enhancement' was organized on 05.09.2024. Shri. A. Manoj Kumar, Senior Trainer, Innovative HR & Training Services, Coimbatore was the resource person.
- A workshop on the topic 'Investors Awareness Programme' was organized on 06.09.2024.Mr. S. Jeyaraj, Senior Trainer, Keyway Academy Private Limited, Erode was the resource person.

- A workshop on the topic 'Navigating Currency Markets &Forex Management' was organized on 09.09.2024. Mr.D.Mahesh David Kumar, Technical Trainer, C-CUBE Technologies, Coimbatore was the resource person.
- A two day orientation programmeon the topic 'Gear Up' was organized on 11.09.2024 & 12.09.2024. Jc. K. A. Gautham, Certified JCI Zone Trainer, Certified Counsellor in TA, ABLExperts, Erode and Mrs. Brinda Ashok, Co-Founder, ABLExperts& ABLEX Foundation, Erode were the resource persons.
- A seminar on the topic 'Building a Professional Outlook' was organized on 16.09.2024. Dr. R.Satheeshkumar, AMT, Professor, Department of Management and ResearchCentre,Surana College (Autonomous), Kengeri, Bangalore was the resource person.
- Aseminar on the topic 'Opportunities for Management Students at Food Industries in Global Market' was organized on 20.09.2024. Shri. V.P.S. Radha Krishnan, Founder &Managing Director, Angel Starch and Food (P) Limited & FOODIX, Erode was the resource person.
- A workshop on the topic 'Stock Market Operations and Risk Management' was organized on 24.09.2024. Dr.K.Prabhakaran, Director, Edify Ed Tech, Coimbatore was the resource person.
- An awareness programmeon the topic 'Emergency Responder and Personal Care Management' was organized on 27.09.2024. Mr. P. Saravanan, Paramedic & Dedicated Instructor, EMRI GHS (Emergency Management and Research Institute Green Health Service) DMS, Chennai was the resource person.

Placement Activities:

- 61 students attended the soft skills training from 12.08.2024 to 17.08.2024 and aptitude training from 19.08.2024 to 23.08.2024 conducted by Innovative HR and training services, Coimbatore.

Students Activities:

- 9 students participated in the 'Next-Gen Entrepreneur Summit 2024' held at the Indian Public School, Erode on 10.08.2024.
- Second year MBA students Maithraa S A and Sowbarnika P S presented a paper entitled 'The Role of AI in Comprehensive HR Planning', Suruthika M G and Keerthana A presented a paper entitled 'Artificial Intelligence in Recruitment', Soniya Sri M and Shahana S presented a paper entitled 'LabourWelfare in HR Planning using AI', Indradevi S and Kaviraj S presented a paper entitled 'Consumer behaviour analysis using AI' and

Jeevika V and Vaishnavi S presented a paper entitled 'Impact of Artificial Intelligence in Banking Sector'in the 11thinternational conference on 'Artificial Intelligence in Commerce, Economics and Management'and the papers were published in the edited book volume with the ISBN (978-93-92649-59-2) held at K.S.R College of Arts and Science for Women, Tiruchencode on 29.08.2024.

- Second year MBA students Varun Karthik S R and Sanjana K presented a paper entitled 'AI in New Product Development', Sree Lekha S and Swarnawarshini R R on the topic 'AI in Consumer Behavior Analysis', Suvetha K and Kavivarrthini T E on the topic 'Predicting the Consumption of Junk Food Eaters Using AI' and Senthamil Son the topic 'Labour Welfare in HR Planning using AI'in the 11thinternational conference on 'Artificial Intelligence in Commerce, Economics and Management' held at K.S.R College of Arts and Science for Women, Tiruchencode on 29.08.2024.

- Sabariha V of second MBA participated in the one day international conference on 'Digital Innovation in Business and Service Sectors' organized by the Department of Commerce and Computer Science, Patrician College of Arts and Science, Chennai on 13.09.2024.

- Second year MBA students Shahana S and Priyadharshini V N presented a paper entitled 'Ethical and Responsible AI implementation', Praveen D and Raja Sankar K and Praveen D and Raja Sankar K presented a paper entitled 'AI in Financial Services: Impact of AI on Fintech', Eniyadharshini K and Deepika N presented a paper titled 'The Future of Sustainable Agriculture: Leveraging AI for Smart Farming', MohanaPriya J presented a paper entitled 'AI and Business Sustainability' and Arihararuban M on the topic 'Future Trends and Technologies in AI' in the one day International Conference on 'Global Business Perspectives in the Era of AI' held at K.S.R College of Arts and Science, Tiruchencode on 19.09.2024and the paper was published in the edited book volume with ISBN (978-83-341-1826-1)

DEPARTMENT OF SCIENCE AND HUMANITIES

Programs organized:
- Inauguration of first year B.E.,/B.Tech. classesfor the batch 2024-2028 was held on 04.09.2024. Thiru.C.Jayakumar, B.A., B.L., President, Vellalar Educational Trust presided over the function. Thiru.Tha. Stalin Gunasekaran, B.Sc., B.L., Founder President, Makkal Sinthanai Peravai, delivered the inaugural address as the chief guest.

CLUB ACTIVITIES

English Literary Association

- English Literary Association organized an event 'Nexus' for the second year students on 31.07.2024 to enhance their leadership and teamwork skills. Eighty students have participated in this event.
- English Literary Association conducted the selection process, 'Litquest' and its extension, 'Liquest 2.0', for selecting the Executive Members on 10.08.2024 & 17.08.2024 respectively.
- The Association organised a compeering event, 'Mic Masters' and 'Mic Masters 2.0', on 21.09.2024 and 28.09.2024 respectively, for the students from first, second and third years. The aim of the event is to equip the students for compeering.

Youth Red Cross
- Yoga and Meditation Programme was conducted by Youth Red Cross for the benefit of staff members of our college on 31.07.2024 at L-Block II Floor Yoga and Meditation Hall. Acharya Amritaksharananda Avadhut Swamiji, Chief Yoga Trainer for South India from AnandaMarga Mission,Kolkatta trained the staff members. In this yoga training 50 staff members were benefitted.
- Youth Red Cross conducted health awareness lecture on Healthy self = Heal thy self for Youth Red Cross student volunteers of our college on 22.08.2024. Dr. N. Jeyashanthi, Professor/BME delivered a special lecture for our students. In this programme, nearly 115 student volunteers participated.
- As per instruction from the Directorate of Technical Education, Chennai, Youth Red Cross organised an awareness program on Social Justice Day on 16.09. 2024. Pledge was taken at 11.30 am in our college campus. In this programme, Dr. M. Jayaraman, Principal, Dr.M.Eswaramurthi, HoD,S&H, Dr.K.Manikandan, Prof /Chemistry and YRC Programme Officer and 247 students participated and took the pledge.
- Deworming Camp was conducted on 25.09.2024 for all the first and second year UG students in connection with National Deworming Day. This camp was conducted by the Department of Public Health and Preventive Medicine. 1500 students were benefitted by this camp. Dr. M. Eswaramurthi, HoD (S&H) and Dr. K. Manikandan, Prof / Chemistry and Youth Red Cross Programme Officer distributed the deworming tablets to the students.

JCI Club

- JCI Club recently organized a workshop on 'Effective Public Speaking' on 10.08.2024 at our college campus to help participants improve their communication skills. The event focused on key techniques like preparation, audience engagement, body language, and voice modulation. Attendees gained valuable tools to overcome the fear of public speaking and build confidence, enhancing both their personal and professional growth. JFS R. Arun Chandra Bose, Zone Trainer, Zone XVII – JCI India motivated the students.
- In view of Breast Feeding Week, on 21.08.2024, the JCI Club hosted an informative event to emphasize the importance of breastfeeding for the health and well-being of both mothers and babies. The program featured experts who shared essential information on breastfeeding practices, nutrition, and the physical and emotional benefits for newborns. Attendees participated in interactive sessions, learning practical tips and ways to support new mothers. The event aimed to foster greater awareness and encourage a supportive environment for breastfeeding, contributing to healthier families and communities. Jc. R K Jayanthi, Founder Smart Kids Pregnancy Caring Centre delivered an awareness lecture to the participants.
- On 21.8.2024 the JCI Club hosted a Space Day event that featured an inspiring talk on space exploration, an interactive session about the solar system, and a live telescope viewing of the night sky. Participants took part in a fun space-themed quiz and kids enjoyed creating space-themed crafts. The event concluded with a lively discussion on the future of space travel, leaving attendees excited about the possibilities of the universe. Jc Sowmiya Santhanam, Founder and CEO, Seventh Sense School of Robotics delivered a lecture on the importance of space.

Entrepreneurship Development Cell
- EDC organized a seminar on 'Innovation Prototype Validation Converting Innovation in to Startup' on 23.07.2024. Mr.Vignesh Rajkumar, Trainer, Yellowmatics, Erode & Ms.Vinitha Srinivasan, Trainer, Yellowmatics, Erode were the resource persons.
- EDC organized a seminar on 'The Future of Entrepreneurship' on 31.07.2024. Dr. S. Gokulraj, Associate Professor / CSE, addressed the students.
- Mr S Rajasekar, Manager, Connect Holidays, Erode handled a workshop on 'Early Stage Entrepreneurs' on 24.07.2024 & 25.07.2024 organised by EDC.
- EDC organized 'Ideation Camp'with the support of EDII-TN on 7.8.2024.Thiru. G. Thirumurugan, General Manager, DIC was the resource person.
- A workshop on 'Entrepreneurship in Full Stack Development' was organized by EDC on 7.8.2024. Mr.Bernard Arockiam, Technical Lead & Corporate Trainer, Software Development Life Cycle was the resource person.
- A workshop on 'Best Entrepreneurship Ideas for Biomedical Engineers' was organized by EDC on 9.8.2024. Mr.Guruprsasandh, CEO& Founder, Medsby Healthcare & Engineering Solutions was the resource person.

- EDC organized a workshop on 'Networking and Mentorship in Entrepreneurship' on 13.8.2024. Dr.D.Muthukrishnaveni, Professor/MBA, Dr. S. Gokulraj, Associate Professor / CSE, handled the sessions.
- A workshop on 'Manufacturing Execution Systems in Entrepreneurship' was conducted by EDC on 16.8.2024. Mr.SurendarKamaraj, Lead Consultant, Bosch Global Software Technologies Private Ltd., was the resource person.
- A workshop on 'Startup Strategy Framework' was conducted on 19.8.2024. Mr.K.R.Santhoshkumar, Director, Turnon Energy India Pvt Ltd., Erode handled the session.
- A seminar on 'Entrepreneurship Skill, Attitude and Behaviour Development' was arranged for the benefit of students on 20.8.24. Mr.C.Gowrisankar, Academic Director, Erode TRB Academy, Erode addressed the students.
- The cell organized 'Pitch Perfect'event at AIC-RAISE, Coimbatore on 26.8.2024 for VCET students.
- A special lecture on 'From Idea to Execution-The Entrepreneurial Journey' was conducted on 28.8.2024. Thiru.R.G.Nawin Krishna, Founder and Director-Startuppayanam, Entrepreneur Community & Accelerator, was the resource person and delivered the lecture.
- EDC organized a seminar on 'Opportunities for MBA students at Food Industries for Global Market' on 20.9.2024. Thiru. V.P.S. Radhakrishnan, Founder and Managing Director, Angel Starch and Food (P) Limited, Erode was the resource person.

Rotaract Club
- Railway Colony Higher Secondary School conducted a tree planting drive on 01.07.2024, as part of the Meezhum Erode program. Participants in the campaign included students and staff from the school as well as members of both organizations.
- On 07.07.2024, the Rotaract Club of Erode Kalam unveiled their new logo. Prominent attendees at the event were Dr. N. Thangaraj, Faculty Advisor of the Rotaract Club of VCET, and Rtn. PP. MPHF. Booma Mahendravarman from the Rotary Club of Erode Thindal.
- An important step toward a greener and healthier Erode was taken on 12.07.2024, when the tree plantation campaign under the name 'Meezhum Erode Week-3' was successfully completed at Therkkupallam, Aanganvadi. The occasion gained further significance from the presence of Rtn. PP. MPHF. BoomaMahendravarman from the Erode Thindal Rotary Club.
- From 12.07.2024 to 13.07.2024, in collaboration with Group 1, the club organized an Inter-District Youth Exchange (IDYE) for the Rotaract Clubs of Pune Sinhagad Road (RID 3113) and Venugram-Belgaum (RID 3170). The purpose of this exchange program was to improve relationships between the various Rotaract clubs and promote cultural understanding.
- On 15.07.2024, KarmaVeerarKamarajar's birth anniversary was commemorated at Panchayat Union Elementary School in Karaparai with kid-friendly games. The event was presided over by Dr. M. Jayaraman, Principal, VCET, who was the chief guest. The students received gifts from Dr. M. Eswaramurthi, Professor and Head, Department of Science and Humanities.
- The Youth's Skill Carnival is a lively and motivating community event that honors the extraordinary abilities of our youth. The online event was held from 15.07.2024 to 18.07.2024.
- On15.07.2024, a YouTube video named 'Unveiling the Legacy' was posted in remembrance of Karma Veerar Kamarajar.
- An education loan awareness program for the second and third-year students was conducted on 26.07.2024. Mr. V. Rathna Sabapathy, Former Police Superintendent and Member of the Tamil Nadu Public Service Commission (TNPSC), and Mr. K. Shanmuga Sundaram, Ex MP were the chief guests. This program's objective was to give students the necessary knowledge about how to apply for and take advantage of education loans. The intention was to alleviate their financial strain so they may pursue their education stress-free.
- On 08.08.2024, our club contributed flood relief supplies to the impacted residents of Wayanad.
- The main goals of the Interact Orientation Program, which was held on 10.08.2024, at the esteemed Vellalar Matriculation Higher Secondary School for Girls were to create deep ties between Interactors and spark new and creative projects. The Principal Ms. KousalaiPalanisami gladly contributed a great deal of value and motivation to the event.
- The successful completion of the 'EmpowerED' project at Vellalar Matriculation Higher Secondary School for Girls, Thindal, on 10.08.2024, marked the culmination of an agreement with the GCT Rotaract Club to donate an innovative working model to a nearby school. The project exposed students to advanced concepts and gave them hands-on learning experiences.
- On 12.08.2024, our club held a pledge ceremony to encourage youngsters to lead drug-free lives.
- The E-Sevai Camp was held on 14.08.2024 and 16.08.2024, with the goal of making it easier for educators and learners to obtain a variety of credentials.
- On 15.08.2024, the youngsters of Panchayat Union Elementary School, Pichandampalayam celebrated Independence Day. This event united the sense of community involvement and patriotism in a lively and significant way.
- The club took part in the DesignX district-level session on 17.08.2024. The workshop's main goal was to improve participants' design and content production abilities. Rtr. IPP T. S. Tamilpriya, the District Editor and District Trainer of RID 30303, presided over the meeting.
- From 19.08.2024 to August 26.08.2024, the club held an online photo contest called Moto Shoot in honor of World Photography Day.
- On 25.08.2024, the club participated in the DRR Installation and District Assembly of RID 3203, which was named Ignite. The event, which was held at AVP School in Tirupur, was a significant milestone for the Rotaract District. Rtn. MD. Dr. S. Suresh Babu, the District Governor of RID 3203, presided over the ceremony.
- On 26.08.2024, the new Rota logo and theme for the 2024–2025 season were unveiled Rtr. PP. Tamilarasan Mani, the distinguished District Rotaract Representative for RID 3203, served as the event's principal guest and it was hosted via Google Meet.
- A senior member of the LokSabha, K E Prakash, honored the Kanavu Cross Country Run, which took place at Sivagiri, Erode, on 01.09.2024.By offering crucial and needed services, the Rotaract Club members were instrumental in the success of the event.
- On 01.09.2024, our club took part in the Rotaract Club of Erode Kalam's Installation Ceremony, which was called 'Lakshya - The Yatra of Success'. As the chief guest, Rtn. MPHF. RavindranKamatchi, President of the Rotary Club of Tirupur, honored the function.
- On 01.09.2024, the club made a big stride toward helping students pursue their academic goals by organizing an Education Loan Camp in Annamalai Kottai, Sivagiri, Erode. As the main guest, P C Duraisamy, Managing Director of Sakthi Masala, honored the camp.
- On 05.09.2024, the club celebrated Dr. Sarvepalli Radhakrishnan's birth anniversary by celebrating Teachers' Day at Panchayat Union Elementary School in Karaparai.

- On 07.09.2024, the club celebrated Nutrition Week. The event was led by faculty advisor Dr. N. Thangaraj.
- From 12.09.2024 to 15.09.2024, the club traveled to Mumbai to take part in the Rotaract Inter District Exchange (RIDE), which was an enriching experience. The goals of this yearly event, which was organized by Rotary International District 3142, were to improve cultural relations, encourage inter-district cooperation, and provide attendees a better awareness of the various customs and ways of life found throughout India.

- On 21.09.2024 and 22.09.2024, the club participated in the District Trainers Workshop Seminar (DTWS) called 'Hogwarts', which was hosted at Rotary Tirupur North Hall in Tirupur. The participants of the event are Rtr. IPS Poovendran M J, District Chair, Growth and Development of Rotary International District 3203, and Rtr. IPP P. S. Manojkumar, Club Advisor of RCVCET and District Priorities and Initiatives Chair for Rotary International District 3203. The goal of the intense training was to explore district priorities for the Rota year 2024–2025, share best practices, and improve leadership abilities.
- Installation Ceremony for the Rotaract year 2024–2025 took place under the name 'Jananam' on 28.09.2024. The chief guest of the event was Rtn.PP. Dr. S. Ramesh, Assistant Governor, Group-4,RI District 3203. Rtn. PP. Dr. S. Ramesh stressed the value of leadership training, global awareness, and community service throughout the ceremony. For the Rota year 2024–2025, Rtr Abiram T and Rtr Tharun P were named President and Secretary, respectively. He exhorted the new office bearers to aim high and have a constructive influence.
- On 28.09.2024, an orientation program was held for upcoming office bearers. The ceremony was led by Rtr. DRRE. T. Selva Vignesh, Rotaract District 3203's District Rotaract Representative Elect (2025–26). The first-year members were introduced to the mission, values, and goals of the Rotaract Club by Pilot Faculty Rtr. Sathishwaran and Co-Pilot Faculty Rtr. Gunavati. Their enlightening talk was intended to assist the new leaders in comprehending the main principles of the Rotaract such as professional growth, leadership, and service.
- A General Body Camp was held at SamudhayaKoodam, Krishnampalayam, Erode, on 29.09.2024 in association with PSG Hospital, Coimbatore. The chief guest, Mr. M. Yuvaraja, Trustee,Velalar Educational Trust, graced the occasion. More than 200 people received essential health services from the General Body Camp, which was a huge success.

Fine Arts Club

In honor of Independence Day, the Erode District Legal Services Authority held a speech competition, in which G.Sambavi of III BME won the second place.

Red Ribbon Club

- The club raised awareness of the Tamil Pudalvan Scholarship on 09.09.2024. 195 students took part in the event.
- A camp for General Eye Checkup was conducted on 09.09.2024. The initiative benefitted 150 studetns.
- The E-service Special Camp (Adhar Correction, Nativity, Community, Income certificate) was conducted on14.08.2024.It benefitted around 100 students.

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

DEPARTMENT OF BIOMEDICAL ENGINEERING

- Twenty eight programmes were attended by faculty members in the Department of Biomedical Engineering.
- Mr.K.Giri presenteda paper in the fifteenth international IEEE conference on 'Computing, Communication and Networking Technologies on The New Age Agro Drone in Modern Embedded Agriculture to Spray Healthy Organic Pesticides' at IIT – Mandi, Himachal Pradesh from 24.06.2024 to 28.06.2024.
- Dr.M.Ponni Bala and Dr.J.Rajalakshmi presenteda paper in the 2nd IEEE international conference on 'Data Science and Network Security' (ICDSNS – 2024) on 'A Denoising Convolutional Auto Encoder with Bi-LSTM for Corrupted ECG Signals Reduction', Kalpataru Institute of Technology, Tiptur from 26.07.2024 to 27.07.2024.

NPTEL:

- In the Swayam-NPTEL online courses, Ms.P. Georgia Chris Selwyna got 'Elite+ Silver' certification in Tissue Engineering,Ms.S.Maheswari got 'Elite' certification in 'Introduction to Machine Learning (Tamil)' and Ms.S.Yamunadevihas successfully completed the course 'Introduction to Machine Learning (Tamil)'.

DEPARTMENT OF CIVIL ENGINEERING

- Four programmes were attended by faculty members in the Department of Civil Engineering.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

- Nineteen programmes were attended by faculty members in the Department of Computer Science and Engineering.
- Dr.S.Gokulraj acted as a Member of Expert committee, in the 4th international conference on 'Data Science and Big Data Analytics (IDBA-2024)', organized by the School of Computer Science and Information Technology & School of Data Science at Symbiosis University of Applied Science, Indore, held from 12.07.2024 to 13.07.2024.

NPTEL:

- Dr.S.Gokulraj, Dr.V.Kavitha, Mr.A.P.Gopu and Ms.I.Nivethahave secured Elite + Silver certificationand Dr.S.Jabeen Begum, Dr.S.Russia, Ms.K.Mohanapriya, Mr.P.Mariyappan, Ms.S.Devisri andMs.V.Ragaavarsini have secured 'Elite' certification in the Swayam-NPTEL online course on 'Design Thinking-A Primer'.
- Ms.S.Nithya has successfully completed the course 'Introduction to Machine Learning'.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

- Seven programmes were attended by faculty members in the Department of Electrical and Electronics Engineering.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

- Twenty one programmes were attended by faculty members in the Department of Electronics and Communication Engineering.
- Dr. M. Parimala Devi acted as a resource person for the Design Thinking 'ATL School Linkage' conducted at Goverment Boys High School,Nambiyur on 31.07.2024.
- Dr. S. Mahendrakumar, Dr. S. Rajan, Ms.T. Sathya and Ms. S.Yazhini acted as resource persons in the 20th national level technical symposium conducted by VCET on 13.09.2024.
- Dr.K.R.Valluvan and Mr.K.S.Murugesanpublished a book titled 'Analog Electronics' byCharulatha Publications with theISBN : 978-81-19056-91-0 during July 2024.

DEPARTMENT OF MECHANICAL ENGINEERING

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

DEPARTMENT OF MEDICAL ELECTRONICS

- Dr. V. Chandrasekaran has successfully completed the Swayam-NPTEL online course 'Basics of Software Defined Radios and Practical Applications' offered by IIT Kharagpur and Ms. K. Vanitha has earned Elite+ Silver certification for the same.
- Over eight faculty members have participated in various professional development programs, including Faculty Development Programs (FDP), Short-Term Training Programs (STTP), AICTE Training and Learning (ATAL) FDP, and NPTEL courses. These programs, hosted by different institutions, covered a range of topics such as Software-Defined Radios, Deep Learning and IoT in Healthcare, Skill Enhancement for Teachers, Artificial Intelligence, Machine Learning, and Antenna and RF Devices for Next-Generation 5G/6G Wireless Communication.

DEPARTMENT OF INFORMATION TECHNOLOGY

- Elevenprogrammes were attended by faculty members in the Department of Information Technology.
- Ms.E.Sudha has completed and certified for the course 'Artificial Intelligence Primer Certification' in INFOSYS SPRINGBOARD on 17.07.2024.
- Ms.V.Leela has completed and certified for the course 'Python 101 for Data Science' in IBM Skills Build on 02.08.2024.
- Ms.V.Leela has completed the Swayam-NPTEL online certification course 'Python for Data Science' with 81 %(Top 5%) and 'Elite + Silver' during July-August 2024.
- Dr.M.Kavitha&Ms.P.Premahave completed the Swayam-NPTEL online certification course 'Python for Data Science' and awarded 'Elite + Silver' and 3 faculty members have completed the same course and awarded 'Elite' certification during July-August 2024.
- 3 faculty members have completed Swayam-NPTEL online certification course 'Introduction to Machine Learning' and awarded 'Elite' during July-August 2024.

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Thirteen programmes were attended by faculty members in the Department of Artificial Intelligence and Data Science.
NPTEL:
- Ms.T.Dhivya completed the Swayam-NPTEL course 'Python for Data Science' with 'Elite + Silver'(Top 1%) certification in the exams held during August 2024.
- Ms.K.Keerthana completed the Swayam-NPTEL course 'Design Thinking-A Primer' with 'Elite + Silver' (Top 5%) certification in the exams held in July-Aug 2024.
- Ms.ThivyaRajkumar completed the Swayam-NPTEL course 'Python for Data Science' with 'Elite + Silver' certification in the exams held during August 2024.

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

- Elevenprogrammes were attended by faculty members in the Department of Artificial Intelligence and Data Science.
- Dr.V.Latha Jothi acted as the reviewer for the IEEE international conference 'Networks, Multimedia and Information Technology' (NMITCON) organized by NitteMeenakshi Institute of Technology, Bangalore on 09.08.2024 and 10.08.2024.
- Dr.V.Latha Jothi acted as the reviewer for the IEEE international conference on 'Distributed Systems, Computer Networks and Cyber Security' (ICDSCNC 2024) organized by Sri Krishna Institute of Technology, Bangalore from 20.08.2024 to 21.08.2024.
- Dr.V.Latha Jothi completed the Swayam-NPTEL course 'Introduction to Graph Algorithms' with 'Elite + Gold' certification in the exams held during September 2024.
- Dr.V.Latha Jothi completed the Swayam-NPTEL course on 'Computer Graphics' with 'Elite' certification in the exams held during September 2024.
- Ms.M.Gowthami completed the Swayam-NPTEL course 'Python for Data Science' with 'Elite' certification in the exam August 2024.

DEPARTMENT OF MANAGEMENT STUDIES

- Seven programmes were attended by faculty members in the Department of Management Studies.
- Dr.T.Mohanapriya presented paper entitled 'From Recruitment to Retention: The Role of AI in Comprehensive HR Planning' at the 11th international conference on 'Artificial Intelligence in Commerce, Economics andManagement' (AICEM) organized by K.S.R College of Arts and Science for Women, Tiruchengode, on 29.08.2024.
- Dr.T.Mohanapriya presented paper entitled 'Adoption of Digital Payment System and its Influence on Consumer Spending Patterns with reference to Erode District' at the one day international conference on 'Digital Innovations in Business and Service Sectors' organized by the Departments of Commerce and Computing Sciences (Shift II), Patrician College of Arts & Science in collaboration with Don Bosco Arts and Science College on 13.09.2024.
- Dr.S.Kumar presented a paper entitled 'Impact of Artificial Intelligence in Banking Sector' in the 11th international conference on 'Artificial Intelligence in Commerce, Economics and Management' and the paper was published in the edited book volume of ISBN (978-93-92649-59-2) at K.S.R College of Arts and Science for women, Tiruchencode on 29.08.2024.
- Dr.S.Kumarpresented a paper entitled 'Cyber Security challenges in Digital Age' in the one day international conference on 'Digital Innovation in Business and Service Sectors' organized by the Department of Commerce and Computer Science, Patrician College of Arts and Science, Chennai on 13.09.2024.
- Dr.S.Kumarpresented a paper entitled 'AI for Economic Development' in the one day international conference on 'Global Business Perspectives in the Era of AI' and the paper was published in the edited book volume with ISBN (978-83-341-1826-1) at K.S.R College of Arts and Science, Tiruchencode on 19.09.2024.
- Dr.K.T.Kalaiselvi presented a paper titled'AI in New Product and Development' at the international conference on 'Artificial Intelligence in Commerce, Economics and Management' at KSR College for Women on 29.08. 2024.
- Dr.A.Kannammalpresented a paper titled 'AI in HR Recruitment' at the international conference on 'Artificial Intelligence in Commerce, Economics and Management' at KSR College for Women on 29.08.2024.
- Ms. L. RasigaPriya presented a paper on 'Predicting the Consumption of Junk Food Eaters using AI' in the international virtual conference on 'Artificial Intelligence in Commerce Economics and Management' conducted by KSR College of Arts and Science for Women on 29.09.2024.
- Dr.T.Mohanapriya acted as a resource person in one day workshop on the topic, 'Data Analysis using SPSS' conducted by Department of Business Administration (BBA) for III BBA (CA) students on 19.07.2024.

DEPARTMENT OF SCIENCE AND HUMANITIES

DEPARTMENT OF MATHEMATICS

- Five programmes were attended by faculty members in the Department of Mathematics.
- Dr. K. Rathi secured 'Elite+Gold tag'for the Swayam-NPTEL online certification course 'Decision - Making Under Uncertainty' during Jul-Dec 2024.
- R.Yamuna secured 'Elite+Sliver' and Dr.C.S.Gomathi secured 'Elite' tag for the Swayam-NPTEL online certification course 'Calculus for One Variable' during Jul-Dec 2024.

DEPARTMENT OF PHYSICS

- Seven programmes were attended by faculty members in the Department of Physics.
- Dr. DeepaJananakumar has secured 'Elite + Gold' certification, Dr. R. Lavanya Dhevihas secured 'Elite + Silver' certification and Dr.S.Devi has secured 'Elite' certification in the NPTEL-AICTE Faculty Development Programme on 'Concepts in Magnetism and Superconductivity' during September 2024.

DEPARTMENT OF CHEMISTRY

- Two programmes were attended by faculty members in the Department of Chemistry.
- Dr. K.Manikandan participated and presented a paper entitled 'Biosynthesis of Pure and Ag-Doped $TiO2$ Nanoparticles and their Antimicrobial Study',Dr. S. KalaiSelvi participated and presented a paper entitled 'Treatment of Tannery Waste Water using a Low Cost Adsorbent', Dr. M.Sridharan participated and presented a paper entitled 'Facile synthesis of Cobalt-doped Zinc Oxide as an Efficient Photo Catalyst for Hydrogen Production',Mrs. M. Priya participated and presented a paper entitled 'Evaluation of Inhibitory Action of Marine Food Waste on Mild Steel Surface in Acidic Medium' and Mr. R.Balasubramanian on the topic 'Synthesis of $NiCo2S4$ Decorated on $ZnIn2S4$Heterojunction for Enhanced Photocatalytic Cr(VI) Reduction' in the international conference on 'Futuristic Materials for Sustainable Energy Applications'(ICFMSE-24) on 24th and 25thJuly 2024 at Department of Chemistry,Erode Sengunthar Engineering College, Thuduppathi.
- Mrs. M. Priya has successfully completed the 8 weeks Swayam-NPTEL course 'Introduction to Polymer Science'.

DEPARTMENT OF ENGLISH

- Six faculty members altogether have attended ten FDPs.

DEPARTMENT OF TAMIL

- Dr. S.Lalitha has presented a paper titled 'Valluvar Paarvaiyil Porraiyudaimai' in the second international conference organised by AVS Arts and Science College in collaboration with Tamil Sangam on 22.09.2024.

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

DEPARTMENT OF BIOMEDICAL ENGINEERING

- Ms.S.Yamunadevi published a utility patent titled 'Automated Detection of Cardiac Arrhythmya using Recurrent Neural Network' on 05.07.2024.
- Ms.P.Georgia Chris Selwyna published a utility patent titled 'A two stage Model to Predict Surgical patient Length of stay from an Electronic Database' on 05.07.2024.
- Mr. S. Govindaraj, Ms. M.Sharmila and Dr.N.Jeyashanthi published design patent titled 'Biosensor Based Device to detect Lung Cancer' on 16.07.2024.
- Dr.J.Rajalakshmi published a utility patent titled 'Blood Purification System using Microcontroller based Domicile Dialyzer for Kidney Impairments' on 23.08.2024.
- Dr.M.Ponni Bala published a utility patent titled 'IOT Enabled Automated System for Loading and Unloading Gunny Bags in Warehouses' on 13.09.2024.
- Mr.K.Rajaram filed a design patent titled 'Smart Device for Remote patient Vital signs Monitoring' on 11.09.2024.
- Dr.J.Rajalakshmi published a utility patent on 'Internet of Things Based Face Mask Detection and Body Temperature Measuring of Human in Crowded Space' on 27.09.2024.
- Ms.C.Radhika, Ms.D.Sasipreetha and Ms.R.Indhumathi registered a copyright for 'A Microprocessor and Microcontroller Laboratory Manual' on 18.09.2024 with the Registration Number: L-153785/2024
- Dr.J.Rajalakshmi, 'Intelligent Systems' by SAN International Scientific Publications with ISBN: 978-81-979197-4-9 on 24.08.2024.
- Dr.S.Mangai and Mr.S.Govindaraj, 'Computer Aided Diagnosis in Health Care: Case Study on Lung Cancer Diagnosis' in the book titled 'Artificial Intelligence in Biomedical and Modern Healthcare Informatics' by Elsevier on 27.09.2024 with ISBN:9780443218712.
- Ms.M.Sharmila,Dr.P.Ravikumar and Dr.N.Jeyashanthi, 'Analysis and Prediction of Cardiomyopathy using Artificial Intelligence' in the book titled 'Artificial Intelligence in Biomedical and Modern Healthcare Informatics' by Elsevier on 27.09.2024 with ISBN: 9780443218712.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

- Dr.S.Gokulraj published a paper 'Anomaly based Intrusion Detection System using Hybrid Machine Learning Approach in IOT Environment' in the Journal of Electrical Systems, ISSN: 1112-5209,20-10s(2024)-2763-2771.
- Dr.S.Jabeen Begum published a design patent on 'Customer Emotion Detecting AI Device' which was granted on 07.07.2024.
- Dr.S.Jabeen Begum published a design patent on 'Wearable Disaster Emergency Communication Device' which was granted on 20.09.2024.
- Dr.S.Jabeen Begum published a design patent on 'AI-based Breast Cancer Detection Device'.
- Mr.N.Manickasenthamarai published patent on 'Predictive Analytics: Transforming Customer Profiling, Segmentation and Sales Prediction in Direct Marketing using Machine Learning'.
- Dr.S.Jabeen Begum, Dr.S.Russia and Ms. R Vidhya received the copyright for 'Mobile Application Development Lab Manual'.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Sakthivel P (6th Author) presented a paper on 'Detection and Characterization of Thyroid Cancer Nodule Using Deep Neural Networks – A Review' in the 15th international IEEE conference on 'Computing, Communication and Networking Technologies' (ICCCNT) (Scopus Indexed Conference) on 27.06.2024 at IIT - Mandi, Himachal Pradesh, India.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

- Dr. S. Rajanpublished a patent titled 'Smart Device for Remote Patient Vital Signs Monitoring' on 15.07.2024. [423189-001]
- Dr. K.Venkatachalam,Mr.R.Gopalan and Ms. R.Hemalatha applied for a patent on 'Synthetic Intelligence–Based Scripting System For Health service Waste Identity and Removal' on 05.07.2024. [202441051672]

DEPARTMENT OF MECHANICAL ENGINEERING

Journal Publications:

- Dr.R.Kumaravelan, 'Enhancing Sustainability in Construction: Investigating starch/clay Composites for Green Material Development' in Biomass Conversion and Biorefinery, pp.1-8, July 2024.
- A.T.Navin Prasad, 'Exergo and Enviro-Economic Analysis of Thermal Energy Storage Assisted Finned Solar Still' Journal of Mechanical Engineering Science, pp.1-18, August 2024 (DOI: 10.1177/09544062241276349).
- Dr.R.Prakash, 'Assessment and Investigation of GH4169 Superalloy: A Frugal Innovative Attempt to Identify Dominant Lubricant Fluid under Dry and Wet Conditions' Journal of Materials Engineering and Performance, August 2024 (DOI: 10.1007/s11665-024-10088-3).
- Dr.R.Kumaravelan, 'Effects of Date Seed and Graphite Fillers on the Mechanical and Thermal Properties of Vinyl Ester Matrix Composites' Iranian Polymer Journal, pp.1-15, September 2024.

Patents:

- Dr.S.Velumani published a patent titled 'Precision Farming System Using Ai-Powered Crop Monitoring' on 23.08.2024 (Application No: 202441062692).

DEPARTMENT OF MEDICAL ELECTRONICS

- Dr. V. Chandrasekaran V & Dr. M. Pravin Kumar published a patent titled 'Synthetic Intelligence-Based Scripting System for Health Service Waste Identification and Removal' (Application No. 202441051672), which was published in the official journal of the Indian Patent Office (Office of the Controller General of Patents, Designs, and Trade Marks, Government of India) on July 12, 2024.
- Dr. M. Pravin Kumar published a patent titled 'Biometric and IOT Based Access to Controlled Patient Health Medical Records in Emergency Situations' (Application No. 202441052099), which was published in the official journal of the Indian Patent Office (Office of the Controller General of Patents, Designs, and Trade Marks, Government of India) on July 19, 2024.
- Mr. S. Surender published a patent titled 'Traffic Prediction System in Smart City using Artificial Intelligence' (Application No. 202441061615), which was published in the official journal of the Indian Patent Office (Office of the Controller General of Patents, Designs, and Trade Marks, Government of India) on August 23, 2024.

- Ms. P. Poornima published a patent titled 'Synthetic Intelligence –Based Scripting System for Health Service Waste Identity and Removal' (Application No. 202441051672), which was published in the official journal of the Indian Patent Office (Office of the Controller General of Patents, Designs, and Trade Marks, Government of India) on July 12, 2024.
- Ms. E. Shalini published a patent titled 'Machine Learning Driven Wearable Sensor for Monitoring and Classification of Health Issues in Personalized Health Care' (Application No. 202441069620), which was published in the official journal of the Indian Patent Office (Office of the Controller General of Patents, Designs, and Trade Marks, Government of India) on September 20, 2024.

DEPARTMENT OF INFORMATION TECHNOLOGY

- Ms. M.Ramya published a paper titled 'Real-Time Detection of Helmet Non-Compliance Using YOLOv3 and Easy OCR' in International Journal of Advanced Research in Computer and Communication Engineering, Vol 13,Iss No: 8 withISSN (O): 2278-1021, ISSN (P): 2319-5940, August 2024.

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

- Ms.A.Aiswaryapublished a patent title 'Advancing Breast Cancer Detection with Machine Learning and Mass Imaging' on 09.08.2024.
- Ms.A.S.Harina published a patent titled'Lean Six Sigma for Enhancing Hospital Patient Safety and Quality Improvement in Health care'on 23.08.2024.

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

- Dr.V.Latha Jothi was granted a UK design patent 'Artificial Intelligence-based device for E-Commerce B2B Transactions' on 31.07.2024 with application number 6381989.
- Ms.M.Gowthami received grant from TNSCST for the project 'Coal Classification to Mitigate Respiratory Illnesses'.
- Ms.S.Soorya published a patent titled 'AI-Powered Algorithmic Trading for Unlocking Next-Generation Market Analysis' on 23.08.2024 with application number 202441060596.
- Ms.R.Tamilarasipublished a patent titled 'AI and Machine Learning Perspectives on the Cardiovascular Effects of Lung Cancer' on 05.07.2024 with application number 202441049548.

DEPARTMENT OF MANAGEMENT STUDIES

- Dr.T.Vetrivel published a book chapter entitled 'Labour Welfare in HR Planning using AI' in the 11thinternational conference on 'Artificial Intelligence in Commerce, Economics and Management', Vol.2, ISBN: 9789392649592, pp. 191-195, August 2024.
- Dr.T.Vetrivel published a book chapter entitled 'The Future of Sustainable Agriculture: Leveraging AI for Smart farming' in the one day international conference on 'Global Business Perspectives in the Era of Artificial Intelligence', Vol.2, ISBN: 9789334118261, pp. 203-220, September 2024.
- Dr.N.Balachandran published a book chapter entitled 'Consumer Behavior Analysis using AI' in the 11th international conference on 'Artificial Intelligence in Commerce, Economics and Management', Vol.2, ISBN: 9789392649592, pp. 68-72, August 2024.
- Dr.N.Balachandranpublished a book chapter entitled'Ethical and Responsible AI Implementation' in the one day international conference on 'Global Business Perspectives in the Era of Artificial Intelligence', Vol.2, ISBN: 9789334118261, pp. 57-70, September 2024.
- Dr.T.Mohanapriya, Dr.K.T.Kalaiselvi and Dr.A.Kannammalcontributed a book chapter entitled 'Agility in Management: Preparing for Uncertain Futures' for the book 'Futurescape: Multidisciplinary Research For A Better Tomorrow',ISBN: 978-93-5809-919-5 ISBN-10: 93-5809-919-4 DIP: 18.10.9358099194 DOI: 10.25215/9358099194, Red Unicorn Publishing Pvt. Ltd., Gujarat, (First Edition), Pg No: 8 to 14, August, 2024.
- Dr.T.Mohanapriyapublished an article titled 'Impact of Digital Technologies in Health Care Sector with Reference to AI - Powered Applications',in aip conference proceedings by AIP Publishing, Proceedings of the 5th international conference on'Sustainable Innovation In Engineering And Technology 2023', Kuala Lumpur, Malaysia, 16 August 2023.
- Dr.T.Vetrivel received a grant of Rs.7,500from TNSCST, Chennai under Student Project Scheme for the project titled 'A Study on Farmers Opinion towards Agricultural Seeds and Equipments with Special Reference to Erode District'.

- Dr.T.Mohanapriyareceived seminar grant of ₹ 20,000 from TNSCST, Popularization of Science Activities 2023-24, for conducting a 2 day seminar on 'Creating Awareness on Uzhavan app among Science and Technology Students for Promoting Agripreneurship in Western Districts of Tamilnadu'.
- Dr.K.T.Kalaiselvi received a grant of Rs.7,500 from TNSCST, Chennai under Student Project Scheme for the project titled 'Awareness and Strategies for Conversion of Agricultural Waste into Wealth among Farmers in Erode district'.
- Dr.T.Mohanapriya published a patent on the topic 'Personality Traits, Risk-Taking Behaviors And Self-Regulation In Young Adults' on 23.08.2024.
- Dr.K.T.Kalaiselvi filed a patent entitled 'The Use of Artificial Intelligence in Tourism Industry of India' during the month of August 2024.
- Dr.D.Muthukrishnaveni registered a copy right on the topic "Internet of Things(IOT): Connectivity in the Digital Sphere' on 26.08.2024.

DEPARTMENT OF SCIENCE AND HUMANITIES
DEPARTMENT OF MATHEMATICS

- M.Vetri published a book chapter titled 'Automated Edge Detection Technique Using Fractional Mask in Fuzzy Domain' in the Springer book series 'Discrete Mathematics and Mathematical Modeling in the Digital Era' during September 2024.

DEPARTMENT OF PHYSICS

- Dr.Thangaraj N published a paper titled 'Growth and Characterization of Tin Disulphide Thin Film by Spray Pyrolysis Technique', Chalcogenide Letters, Vol 21, No.9, pp 757-764, September 2024 (SCIE).
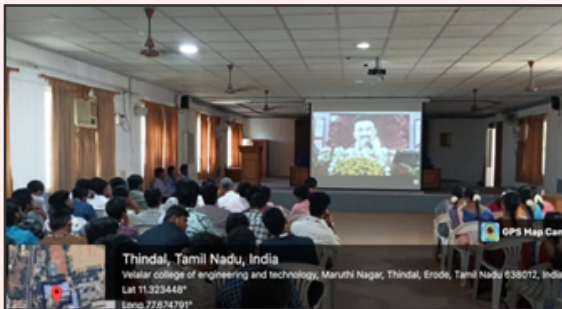
DEPARTMENT OF ENGLISH

- Ms. S. K. Aashika, Ms. T. Sasikala & Dr.B.S. Gomathipublished a patent titled' Literary Semantic Analysis Tool: Enhancing Comprehension Dynamics', an invention in the field of Electronics. (Patent Number: 202421031548)
- Dr. B. S. Gomathi et. al, published a paper titled, 'A Demographic Analyses: A Study Perspectives of Innovative Hybrid Learning Environment', in the International Journal, Pakistan Journal of Life and Social Sciences (E-ISSN: 2221-7630) in August, 2024 (pp.639-654).
- Dr.B. S. Gomathi published a paper titled 'The Power of Skills: Rethinking Entrepreneurial Success Beyond Financial Capital' in Green Entreprenuer Startups in Coimbatore Institute of Information Technology in the month of August, 2024 (ISBN-978-93-6126-266-1).
- Dr. S. Lalitha published a poetry collection titled 'Pennin Perunthakka Yaavula' in September, 2024 by Today's Printers, Chennai (ISBN: 978-81-978836-8-2).

19th Graduation Day was held in the college auditorium on 24.08.2024. Dr. V. Madhusudana Rao, Outstanding Scientist, Scientist – H, Project Director, Light Combat Aircraft AF Mk2, Aeronautical Development Agency, Bangalore was the chief guest of the occasion. He delivered the graduation day address and honoured 783 graduates.

The National Level Technical Symposium was conducted by AIML, CIVIL, CSE, ECE & MDE Departments in Velalar College of Engineering and Technology on 13.09.2024. Thiru M.Yuvaraja, Trust member, Vellalar Educational Trust, delivered the presidential address and encouraged young engineering students that India has great economic wealth and opportunities in all fields. The symposium was inaugurated by Mr. K.R.Deepak, Assistant Manager (Air Traffic Management), Airports Authority of India, Trichy International Airport. The symposium was flourished with 245 participants from more than 45 various institutions.

Raising awareness of the Tamil Pudalvan Scholarship scheme on 09.09.2024. 195 students took part in the event.

A General Body Camp at SamudhayaKoodam, Krishnampalayam, Erode, on 29.09.2024.

Deworming Camp for the benefit of UG first and second year students

Atwo day workshop titled 'Accelerators/Incubation - Opportunities for Students & Faculties - Early Stage Entrepreneurs'on 24.07.2024& 25.07.2024.

VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY

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