VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous)

Accredited by NAAC with 'A+' Grade & Accredited by NBA

Thindal, Erode – 638 012

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Newsletter

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MESSAGE FROM THE PRINCIPAL

As we step into the final quarter of 2024, it fills me with immense pleasure and pride to address our vibrant and dedicated community. The past months have been a testament to our collective resilience, determination, and unwavering commitment to academic excellence. At VCET, our journey has been marked by remarkable achievements, innovative endeavors, and a steadfast focus on embracing the evolving landscape of education. We have navigated challenges with resilience, leveraging our collective strength to foster a thriving academic environment. The dedication of our faculty and the enthusiasm of our students continue to be the driving force behind our success. Together, we have explored new horizons, engaged in pioneering research, and embraced emerging technologies, including the dynamic world of data. As we reflect on the accomplishments of the past months, let us carry forward the spirit of collaboration, curiosity, and academic pursuit. I encourage each member of our esteemed community to remain engaged, positive, and passionate about the opportunities that lie ahead. I am immensely proud of our talented students who emerged victorious at various events, showcasing their exceptional problem-solving skills and innovative ideas. Their dedication and brilliance have not only elevated the stature of our college but also demonstrated their commitment to creating impactful solutions. Congratulations to our winning students and gratitude to the staff for their guidance and expertise, in paving the way for our students' success.

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))

National Level Technical Symposium

Departments of AIDS, BME, EEE, IT, MECH & MBA organized a National Level Technical Symposium on 05.10.2024 at Velalar College of Engineering and Technology, Erode. Mr. S. D. Chandrasekar, Secretary of Vellalar Educational Trust, presided over the function. In his speech he encouraged the young engineering students that India has great economic potential and opportunities in all fields. He said that India has seen great economic growth due to engineering students. Dr. M. Jayaraman, Principal, delivered the keynote address on the occasion and advised the purpose of the National Level Technical Symposium to expand innovative ideas and creativity in the evolution of skills and talent. The Special Guest of the function was Mr. R. Karthick, Associate General Manager, Data Patterns (India) Ltd., Chennai. He emphasized that students need to continuously improve their skills, explore research, innovation and creativity, learn fundamentals, and India should be self-sufficient for the engineering sector. 427 students from more than 52 different educational institutes across Tamil Nadu participated in the event.

DEPARTMENT OF BIOMEDICAL ENGINEERING

Association Activities :

- IEEE student branch organized an Intra Department Quiz - Mind Spark for BME students on 03.10.2024. Mr.K.Rajaram, AP/BME, IEEE SB Counselor-VCET was the organizer of the event.

- The association of the department - BIONIKX in association with VCET organized a National Level Technical Symposium BIOMEDINGERS 2K24 on 05.10.2024. Dr.M.Dhipa, AP/BME, Nandha Engineering College was the resource person.

- IEEE student branch organized a Webinar on 'IEEE Xplore Digital Library' on 21.10.2024. Mr.Nanda Lal T.S. (BBA, MLISc, UGC NET & JRF), Senior Training Manager, EBSCO Information Services addressed the students.

- IEEE student branch organized an Intra Department Idea Contest event - Sparkathon on 25.10.2024. Mr.K.Rajaram, AP/BME, IEEE SB Counselor-VCET & Ms.S.Maheswari, AP/BME, IEEE SB Coordinator-VCET were the organizers of the event.

- IEEE student branch organized a Guest Lecture on 'Securing Research Grants: Identifying Thrust and Crafting, Winning Proposal' for faculty members and 'Revolutionizing Health Care: Exploring AI and Extended Reality and Application' for students on 13.12.2024. Dr.S.Pravin Kumar, Associate Professor, Department of Biomedical Engineering, SSN College of Engineering, Chennai was the resource person.

- The association of BME –BIONIKX organized a Seminar on 'AI Innovations in Health Care' on 27.12.2024. Dr.B.Surendran, Associate Professor, Department of CSE, NIT, Puducherry and Dr.Vijayakumar Krishnasamy, Associate Professor, Department of EEE, IIITDM, Kancheepuram were the resource persons.

Placement Activities:
- Madhumitha V, Santhosh S, Narun P and Rohith M got placed in Mrudaan Technologies, Chennai.
- Kaviya M got placed in Radiant Medical Systems, Erode.

Students Activities:
- 6 students participated in technical & non technical events in Symposium EKKLESIA'24 organised by Sri Ramakrishna Engineering College, Coimbatore on 1.10.2024.
- 6 students participated in Tech Nova event in Symposium B'ELITEZ 2K24 organised by Mahendra College of Engineering, Salem on 18.10.2024.
- 13 students attended a workshop on 'Advanced Hands on Training on Critical Care Equipment' at Mahendra College of Engineering, Salem on 18.10.2024.
- Kabini Punithavathy R and Subhashini M participated in Youth Leadership Summit 2024 on 23.10.2024 organized by ICT Academy, Codissia Trade Fair Complex, Coimbatore.
- 10 students attended awareness seminar on 'Fire Prevention-Strategies and Techniques' on 23.10.2024 at VCET, Erode.
- Logeshwari M presented an idea titled 'Wind Energy based Problem Statement' in PALS Tinkathon at Sri Eshwar College of Engineering, Coimbatore on 24.10.2024.
- Ranjani V was the Campus Ambassador at Rinex, Entrepreneurship Cell in IIT Bhuvaneswar during Sep-Oct 2024.
- Jerrwin Joshua M presented a paper titled 'Big Data Analytics in Healthcare Sector' & 'Plasma Engine' at Government College of Engineering, Erode. on 24.10.2024 and 25.10.2024
- Swetha A and Sudhandira G won the second prize in non technical event- Connection in Technical Symposium ZELOS'24 at KSRCE, Tiruchengode on 9.11.2024.
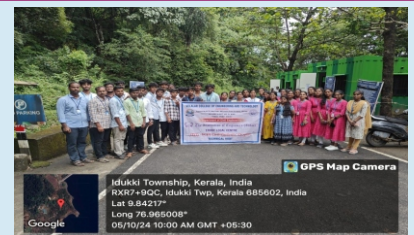
NPTEL
- Priyadharshini P and Swetha G of third year BME have completed the SWAYAM-NPTEL online course 'Electronic Systems for Cancer Diagnosis' with Elite + Gold certification. 40 students have secured Elite + Silver certification and 77 students got Elite certification & 34 students have successfully completed the same course.
- Priyadharshini P and Srinithi M and Praba J of third year and second year BME have completed the SWAYAM-NPTEL online course 'Introduction to Internet of Things' with Elite + Silver certification. 20 students have secured Elite certification & 8 students have successfully completed the same course.
- Swathi K and five more students of second year BME have completed the SWAYAM-NPTEL online course 'Entrepreneurship' with Elite certification and one more student has successfully completed the course.

DEPARTMENT OF CIVIL ENGINEERING

Programs organized :
- An awareness program on 'Fire Prevention Strategies & Techniques' was organised on 21.10.2024. Mr.G.Ganesan, Assistant District Fire Officer, Erode was the resource person for this program. They demonstrated on field about fire prevention practices to the participants. 130 Students, faculty members and non-teaching staffs from VCET got benefitted from it.

- On 05.10.2024, third-year students visited the Idukki Arch Dam in Idukki, Kerala. This double-curvature arch dam is constructed across the River Periyar in a narrow gorge between two granite hills. During the visit, students learned about the design and construction techniques used to build the dam, hydropower generation, and toured the power station. They gained valuable insights into the complexities of large-scale infrastructure.

Association Activities:

IEI students' chapter organized a seminar on 'Steel Structure - The Future of Structure' on 25.10.2024. Dr.C.Karthik Associate Professor & Head, Department of Civil Engineering, VCET delivered the lecture and 53 students got benefited.

Placement Activities:
- Gowtham Sree M, Perarasu K, Southam D, Vigneshwaran S, Yugenthiran A, Dhivakar K, Thanish P and Vigneshwaran S got placement in M/s Test 2 Build Private Limited, Chennai.
- Sharanya A S, Vaishnavi M, Vaishnavi S, Yuvaraj S, Golulkannan N and Mythili L got placement in M/s Besten Engineers and Consultant India Private Limited, Chennai.
- Sharanya A S, Vaishnavi M and Yuvaraj S got placement in M/s Aarbee Structures Private Limited, Coimbatore.
- Apsha Sajna K and Shafrin A secured an internship with placement in M/s PMS Builders, Erode.
- Senthamil Selvan S secured an internship with placement in M/s Vinayaga Constructions, Perundurai, Erode.
- Vimalnath M G secured an internship with placement in M/s RM and Company, Salem.
- Kanishkumar K S secured an internship with placement in M/s GK Planners and Constructions, Perundurai, Erode.
- Sanjhivbarath N secured an internship with placement in M/s CPG Constructions, Chennimalai, Erode.

Students Activities:
- 16 students from second year (Batch: 2023-27) have successfully completed the online SWYAM-NPTEL course on 'Remote Sensing: Principles and Applications' during Jul-Oct 2023. In that 02 students completed their course with Elite tag.
- 05 students from third year (Batch: 2022-26) have successfully completed the online SWYAM-NPTEL course on 'Remote Sensing: Principles and Applications' during Jul-Oct 2023. In that 01 student completed the course with Elite tag.
- 02 students from third year (Batch: 2022-26) have successfully completed the online SWYAM-NPTEL course on 'Availability and Management of Groundwater Resources' during Jul-Oct 2023 with Elite tag.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Programs organized:

Department of CSE in coordination with ICT Academy and MEITY, Govt. of India has organized a Faculty Development program on 'Microsoft Azure AI Engineer' from 25.11.2024 to 29.11.2024.

Association Activities:

The Hackers Bay Club organized a one-day awareness program on 'Cyber Security for Daily Life' on 29.10.2024.

Placement Activities:

- Niranjana K and and Sanjaykumar S of final year CSE got placement in CTS (Cognizant), Chennai, for the position of Trainee Program Analyst, with the Cost To Company offer of 4 lakhs to 5 lakhs per annum.
- Sowmiya Sri A, Shivadharshini S and Monika A S of final year CSE got placement in Daxfo Technology, Chennai, for the position of Technical Trainee and Functional Consultant trainee with the Cost To Company offer of 2.5 lakhs to 3.5 lakhs per annum.

Students Activities:

- 2 students secured Elite + Gold certification, 63 students have secured Elite certification, 44 students have secured Elite+Silver certification and 11 students have successfully completed various online SWAYAM-NPTEL courses during October 2024.
- Brindha E and Dharshana B have presented a paper titled 'Explainable Artificial Intelligence' and Gunavathi N on the title 'Cyber Security in Digital Defense and Protection' on 09.10.2024 at Sengunthar Engineering College, Thiruchengode.
- Kishore S has presented a paper titled 'Cutting Edge Technology' on 27.10.2024 at KSR College of Engineering and Technology, Thiruchengode.
- Sandhiya S, Nitharsanaa D, Priyadharshini A and Viveka R have presented a paper titled 'Early Detection and Prevention of Child Abuse' in the paper presentation event held from 11.12.2024 to15.12.2024 at KLE Technology.
- Sakthi Anussha S S and Saverthana R have presented a paper titled 'Life Saving Medical History Storage' in the paper presentation event held on 05.10.2024 at Kongu Engineering College, Perundurai and won the third prize and Yamini V and Thogaivalli V have presented a paper titled 'Diabetes Prediction Using Machine Learning' in the same event.
- Yamini V and Thogaivalli V have participated in the poster making event titled 'Awareness On Diabetes' and Sakthi Anussha S S and Saverthana R on the topic 'Gen AI' held on 05.10.2024 at Kongu Engineering College, Perundurai and the later team won the first prize.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Programs organized:

- EEE-EDC-IIC organized a special lecture on the topic 'Entrepreneurship Projects in Electrical Sector' for the students and Pradeep R, Assistant Professor, AP/EEE addressed the final year students on 9.11.2024.
- EEE-EDC-IIC organized a special lecture on the topic 'Essential Qualities of a Successful Entrepreneur' for the students and Mr. Senthilkumar K, M/s Lenze Pixelz, Vellakovil addressed the final year students on 9.11.2024.
- EEE-EDC-IIC organized a special lecture on the topic 'Promoting Entrepreneurship through Internship' for the students and S. Saravanan, Assistant Professor, AP/EEE addressed the third year students on 9.11.2024.

Association Activities:

- The Association of Electrical and Electronics Engineering EMERFLUX has conducted a guest lecture on 'From Lithium-Ion to Solid-State: The Evolution of EV Batteries and BMS' on 28th October, 2024 at 2.00 pm by Dr.S.Sathishkumar, Assistant Professor, Department of EEE, Bannari Amman Institute of Technology, Sathy. Many students and faculty members have been benefitted by this programme.

Placement Activities:

- 5 students of final year EEE (Batch: 2021-2025) got placement in campus drive by M/s.Bosch Home Applinaces, Chennai.
- 1 student of final year EEE (Batch: 2021-2025) got placement in campus drive by M/s. Avalon Technologies, Chennai.
- 5 students of final year EEE (Batch: 2021-2025) got placement in campus drive by M/s. Workhall, Chennai.

Students Activities:

- V.Jayashri, P.Srimathi, B.Kanika, L.Praveena, V.Anusuya and M.K.Akila of third year EEE have presented a paper in SPRINGFEST2K24 at KSR College of Engineering, Thiruchengode on 16.12.2024.
- M.Arjun of second year EEE has presented a paper titled 'Dactlogram Based Patient Details' at KSR College of Engineering, Thiruchengode on 28.10.2024.
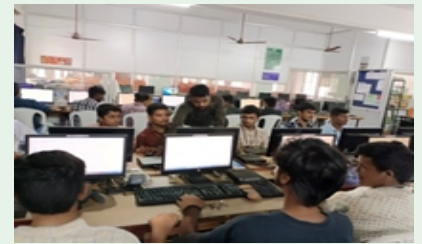
- Gowri Raja Loganathan of third year EEE has participated and successfully completed the MARATHON 2024 on 22.12.2024 at Perundurai. He has participated in Mahakumph 2025 Quiz on 2.12.2024 conducted by UP government and MYGOV and also participated in Naturopathy Quiz 2025 on 11.12.2024 conducted by Ministry of Ayush, Govt. of India and participated in Svastik Quiz on 12.12.2024 conducted by CSIR-National Institute of Science Communication and Policy Research.
- 4 second year students and 16 third year students have undergone in-plant training in TANGEDGO.
- 15 second year students have undergone in-plant training in Electric Loco Shed, Southern Railways, Erode.
- 3 third year students have undergone in-plant training in M/s. Neyveli Lignite Corporation.
- 5 second year students have undergone in-plant training in M/s. Sakthi Sugars Ltd.
- 2 students have undergone in-plant training in M/s. Mobitech, Perundurai.
- 3 students have undergone in-plant training in M/s. Master Mind, Salem.
- 2 second year students have undergone in-plant training in M/s. Sakthi Auto Components, Palagoundanpalayam.
- 5 third year students have undergone in-plant training in M/s. Poorna Industry, Erode.
- 3 faculty members have enrolled for SWAYAM-NPTEL online course on 'Educational Leadership' and awarded with Elite + Gold tag during October 2024.
- 5 students have completed the 'Electronic Systems Design: Hands-on Circuits and PCB Design with CAD Software', 81 students 'Introduction to Internet of Things', 2 students 'Solar Energy Engineering and Technology' and 5 students 'Introduction to Industry 4.0 and Industrial Internet of Things' offered by SWAYAM-NPTEL, during October 2024.
- 58 students of third year EEE along with 03 faculty members have gone for an industrial visit to M/s. Masco Tea Factory, Vagamon on 19.10.2024.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Programs organized:

- A seminar on 'Power of Data Analytics Using Power Bi' has been conducted on 28.10.2024 for the final year ECE students.
- A workshop on 'Transforming Excel in the Design of Embedded Systems' has been conducted on 07.10.2024 for the PG students.
- Value Added Course on 'Smart Devices – Embedded Systems and IoT' has been conducted from 14.10.2024 to 24.10.2024 for the second year ECE students.
- Value Added Course on 'Mobile and Laptop Trouble Shooting' has been conducted from 14.10.2024 to 21.10.2024 for the second year ECE students.

Placement Activities:

- 118 students of final year ECE have attended campus drive by M/s B/S/H, Coimbatore on 03.10.2024 and Jamuna Devi L, Karthik Raja G, Kavin S, Kavinraj M, Krithish D, Madhupriya M, Mathiyarasan K, Navina S, Nipuna A, Panjatchana A, Priyadharshini M, Rahul M, Sakthibalajee S, Sathya Varshini M, Tharun Pranav K S, Thirukailash S, Varshini A and Yashmitha S got placement in it.
- 40 students of final year ECE have attended campus drive by M/S Data Patterns, Chennai on 04.10.2024 and Kavin S got shortlisted for the final round.
- 80 students of final year ECE have attended campus placement drive by M/s Checktronic India on 08.10.2024 and 11 students shortlisted for the final round.
- 190 students of second year ECE have attended motivational speech by Mr.T.Raghunath, a psychologist and Director of Relax Life Skills Academy, Chennai, on 16.10.2024 and 17.10.2024, 22.10.2024 and 23.10.2024.
- 19 students of third year ECE have attended campus drive by M/S Data Patterns, Chennai on 18.10.2024 and Yogesh C got shortlisted for the internship.
- 80 students of final year ECE have attended on campus drive by M/S Span Technology on 22.10.2024 and Selvadharshini A got placement in it.
- 12 students of final year ECE have attended off campus drive by M/S Zoho on 24.10.2024 and ABINAYA D got placement in it.
- 64 students of final year ECE have attended on campus drive by M/s Chella Software on 14.11.2024 and Selvadharshini A got placement in it.
- 10 students of final year ECE have attended on campus drive by M/S Cryptron Technology on 22.11.2024 and 7 students got shortlisted for the next round.
- 20 students of final year ECE have attended campus drive by M/S Data Patterns, Chennai on 29.11.2024 and Arun kumar N, Mathi Vignesh V, Naveen Kumar M, Pradeep P and Yuvaraj R got shortlisted for internship in it.
- 23 students of final year ECE have attended off campus drive by M/S Kaar Technologies on 13.12.24 and Aswathi G, Dhanashri S and Dhanushya J got placement in it.
- 77 students of final year ECE have attended on campus drive by M/S Avalon Technology on 19.12.2024 and Ashwin G, Mohan Sundar Y, Priyanka A and Sathishkumar J K got placement in it.
- All students of 2nd, 3rd and final year ECE are attending Placement Practice test through Examly Portal from 01.07.24.

Students Activities:

- 5 students from third year and 10 students from second year ECE presented their papers under different titles organized by Sri Sai Ranganathan Engineering College, Coimbatore on 04.10.2024.
- 2 students from third year and 3 students from second year ECE presented their papers under different titles organized by Kongu Engineering College, Perundurai on 05.10.2024.
- 5 students from third year and 20 students from second year ECE presented their papers under different titles organized by Sri Ramakrishna Engineering College, Coimbatore on 18.10.2024.
- Varsha D of third year ECE presented a paper 'DRONEMED' and awarded with1st prize organized by Mahendra College of Engineering, Salem on 18.10.2024.
- Kathirvel E, Logendran T and Kumaraguru M of third year ECE presented a paper 'Low-Latency solution and Network Architecture Optimization in 5G Hardware' and awarded with1st prize organized by Government College of Technology, Erode on 22.10.2024.
- 9 students from third year ECE presented their papers under different titles organized by Government College of Technology, Erode on 22.10.2024.
- 4 students from third year and 2 students from second year ECE presented their papers under different titles organized by Kongu Engineering College, Perundurai on 23.10.2024.
- Tamil Selvan S and Tamilselvan G of second year ECE presented a paper titled 'Low-Latency solution and Network Architecture Optimization in 5G Hardware' and awarded with 3rd Prize organized by Kongu Engineering College, Perundurai on 23.10.2024.
- Tharun Kumar A, Sugavaneshwaran C, Siddique Surya C and Vinith G. of second year ECE presented their paper 'Aerogel' organized by Bannari Amman Institute of Technology, Sathy on 07.11.2024.
- Vanishkaa B U of second year ECE presented her project on 'Agrotech' organized by Sri Sai Ranganathan Engineering College, Coimbatore on 04.10.2024.
- 108 second year ECE students have registered for various online SWAYAM-NPTEL certification courses under different titles.
- 173 third year ECE students have registered for various online SWAYAM-NPTEL certification courses under different titles.

DEPARTMENT OF MECHANICAL ENGINEERING

Association Activities:

- A National-level Technical Symposium was conducted on 05.10.2024. Mr.R.Karthick, Associate General Manager, Data Patterns (India) Limited, Chennai, graced the occasion as the Chief Guest. Students from various institutions participated in activities such as Paper Presentation, Technical Quiz, Connexions, CAD Modelling, showcasing their talents and honing their skills in their respective domains.

- In honor of Bharat Ratna Dr. A.P.J. Abdul Kalam, Youth Awakening Day was celebrated on 15.10.2024. A guest lecture was organized on the topic 'Building Confidence: Your Key to Unlocking Potential'. The chief guest, Mr.T.Raghunath, a psychologist and Director of Relax Life Skills Academy, Chennai, addressed the students. He shared insights into Dr. A.P.J. Abdul Kalam's thoughts, emphasizing how his teachings inspired young people to dream boldly and work towards elevating our nation to superpower status. He concluded by narrating the key achievements that defined Dr. Kalam's illustrious career.
- The association conducted a workshop for the second year Mechanical Engineering students on CAD software on 22.10.2024. Er. M. Harry Andrews, a CAD Engineer at C-Cube Technologies, Erode, provided training and a demonstration of CAD software, emphasizing its pivotal role and significance in industrial design processes.
- The intra-departmental paper presentation event was conducted on 28.10.2024 for second and third year students. The students actively participated, presenting a wide array of innovative ideas and projects that reflected their deep understanding of their respective fields and their ability to think critically.
- As a component of curriculum enhancement, a workshop on 'Power Train & Vehicle Integration' was organized on 29.10.2024 for second year students. Mr. Sathiya Moorthi, Lead Technical, and Mr. R. Kingston, Design Engineer, both from SAN Engineering Solutions, Perundurai, conducted an informative session providing hands-on training with CATIA software. They also shared valuable insights into various automotive technologies with the students, resulting in a rich learning experience for all participants.

Placement Activities:
- 10 final year students of batch 2021-25 have attended off campus recruitment drive by Reanult Nissan Technology and Business Centre, Chennai and 2 students (Jaya Shree S and Nithyasree C) got placement in it.
- 27 final year students of batch 2021-25 have attended campus recruitment drive by Bosch, Chennai and 3 students (Pranesh K B, Thrisha A P and Santhosh Kumar S) got placement in it.

- 26 final year students of batch 2021-25 have attended campus recruitment drive by TAFE, Chennai and 7 students secured placement in it.
- 5 final year students of batch 2021-25 have attended off campus recruitment drive by Zigma Global Environ Solutions Private Limited, Chennai and 1 student (Ramasegaran P) got placement in it.
- 15 final year students of batch 2021-25 have attended off campus recruitment drive by L.G.Balakrishnan & Bros Ltd, Coimbatore.
- 34 final year students of batch 2021-25 have attended off campus recruitment drive by Zoho, Chennai.
- 31 final year students of batch 2021-25 have attended off campus recruitment drive by Worckohol, Chennai.
- 17 final year students of batch 2021-25 have attended campus recruitment drive by Gulf Asia Engineering & Projects Pvt. Ltd, Chennai.
- 8 final year students of batch 2021-25 have attended campus recruitment drive by Kaar Technologies, Chennai.

Students Activities:
- Second year students Lingesh M and Gokul Prasanth M have participated and won the Third Prize in Fantacy Auction event at Jansons Institute of Technology, Coimbatore on 04.10.2024.
- Second year students Gavushar Niyas S, Gokul Prasanth M, Lingesh M, Ashok K, Mohamed Ajmal Arsath M and Sudharshan S have presented papers at Jansons Institute of Technology, Coimbatore on 04.10.2024.
- Second year students Vasantha Deenesh M, Raghav M, Gokul Prasanth M, Dharunesh M and Nigash S and third year students Devaraj R, Gokul Prasath D, Poovarasu G, Sanjay Kumar S and Kavinkumar R and five final year students have participated in the 'Awareness Programme on Fire Prevention – Strategies and Techniques' at VCET on 23.10.2024.
- Second year students Biju S, Akil Karthik R, Dharunesh M, Gokul Anand S, Hari Krisna T G K, Nigash S, Bharanidaran S and Sudharshan S have attended a Workshop on 'Research Writing: Social Science Realm' at Kongu Engineering College, Perundurai on 26.10.2024.
- Third year students Ajaykumar M, Arthi Sri S, Mysukanth K, Naveen Krishna M, Hari Prasad T and Mayura Guhan V have participated and presented papers in Paper Presentation event at Kongu Engineering College, Erode 09.10.2024.
- Deepan P won the First prize in the Technical Event 'Tech Nova' and also participated in 'Tech Display' at Mahendra College of Engineering, Salem on 18.10.2024.

- Third year students Deepan P and Dhanush J V have participated in the 'Youth Leadership Summit 2024 – Coimbatore' organized by ICT Academy at Codissia Trade Fair Complex, Coimbatore on 23.10.2024.
- Karthikeyan N has participated in the Business Plan Presentation (NLSC-BPP) Competition and Karmegam S has participated in the Mobility Quiz (NLSC-MQZ) competition organized by SAE INDIA Student Convention - Presentation Skills at Kongu Engineering College, Erode on 25.10.2024.
- Third year students Rahul A, Subash E and Mohanasundaram M have participated in the Paper War of Galaxy'24 Phase II at Government College of Engineering, Erode on 24.102024 & 25.10.2024.
- Third year students Ajaykanth S, Arthi Sri S, Mysukanth K, Nandhitha K, Sanjay S and Mayura Guhan V have participated in the SAEISS 6th Bicycle Design Challenges 2024-25 at Knowledge Institute of Technology, Salem on 26.10.2024 & 27.10.2024.
- Kavin S has participated in the Technical Paper Presentation (NLSC-TPP) Competition at Kongu Engineering College, Erode on 25.10.2024.
- Final year students Jayashree S and Shriharsan M have attended SAEINDIA Student Convention – Presentation Skills at Kongu Engineering College on 25.10.2024.
- 6 second year students have undergone in-plant training at VAMTEC Machine & Automation Private Limited, Chennai from 10.12.2024 to 25.12.2024.
- 7 second year students have undergone in-plant training at M/s. Ambal Auto, Coimbatore from 12.12.2024 to 28.12.2024.
- Second year students Deepakkumar M has undergone internship training at M/s. Indian Oil Corporation, Perundurai from 16.12.2024 to 27.12.2024.
- 7 third year students have undergone in-plant training at M/s. Bindu Engineering Industries, Coimbatore from 19.12.2024 to 30.12.2024.
- Second year Surendhiran R has undergone in-plant training at M/s. Chennai Metro Rail Ltd, Chennai from 18.12.2024 to 03.01.2025.
- One final year student has registered for the online SWAYAM-NPTEL course 'Introduction to Industry 4.0 and Industrial Internet of Things' course and has secured Elite grade.
- 18 third year students have successfully completed the online SWAYAM-NPTEL course 'Work System Design'. 1 student has secured Elite + Silver tag, 2 students have secured Elite tag and 15 students have successfully completed the course.
- 13 second year students have successfully completed the online SWAYAM-NPTEL course 'Product and Brand Management'.

DEPARTMENT OF MEDICAL ELECTRONICS

Programs organized:

The BMESI Club of Medical Electronics organized a five-day skill development course on 'Biomedical Equipment Maintenance and Troubleshooting' from October 25 to October 29, 2024. The sessions were conducted by Mr. V. Yuvaraj, Sales and Service Manager at Blendmed System, Chennai, and Mr. V. Ruban Raj, Territory Manager at Allied Medical Limited, Chennai. During the program, they demonstrated various medical devices, including anaesthesia machines, ventilators, and patient monitoring systems, while providing detailed explanations of their applications and features.

Students Activities:

- Shalini S., Saranya M., Praveena S., and Dharani P. from the final year secured Special Reward in the IDEASPHERE event organized by Park Engineering College, Coimbatore, earning a cash prize of ₹2,500 on October 22, 2024.
- Shalini S., Saranya M., Praveena S., Dharani P., Sanjay Kumar K. and Sathish Kumar N. from the final year emerged as Runners-up in the Smart India Hackathon held at the Forge Incubation Center, Coimbatore, from December 11 to 15, 2024.
- During the semester holidays, over 40 students from the second and third years participated in hospital training at various hospitals, including Lotus Hospital and Sudha Hospitals, Erode, K.G Hospital, PSG Hospitals, and NG Hospital Pvt. Ltd. & Research Centre, Coimbatore, S.K. Hospital, Gobichettipalayam, and Shanmuga Hospital, Salem.

DEPARTMENT OF INFORMATION TECHNOLOGY

Association Activities:

- 20th National Level Technical Symposium was conducted on 05.10.2024 for the benefit of all students

Placement Activities:

- Abishek J L, Amirtha G and Thennavan E got placement offer from Daxfo Technology, Chennai on 23.11.2024.
- Vasuki J got placement offer from Kaar Technology, Chennai on 13.12.2024.

Students Activities:

- 4 students of third year IT presented a project titled 'Artificial Intelligence' in GARUDA INDIA HACKATHON-2024 conducted by KPR Institute of Engineering and Technology on 04.10.2024 & 05.10.2024.
- Pravina Sri S of third year IT won the 1st prize in English Elocution competition conducted by VCET on 16.10.2024.
- Vijayalakshmi S of third year IT won the 1st prize in Tamil Elocution competition conducted by VCET on 17.10.2024.
- 1 student of third year IT has been awarded the Elite + Silver grade for the SWAYAM-NPTEL online certification course 'Cloud Computing', 7 students have been awarded Elite grade and 12 students have successfully completed the same course.
- 3 students of third year IT have secured Elite grade for the SWAYAM-NPTEL online certification course 'Responsible & Safe AI Systems' and 3 students have successfully completed the same course.
- 2 students of third year IT have secured Elite + Silver grade for the SWAYAM-NPTEL online certification course 'Learning Analytics Tools', 9 students have secured Elite grade and 18 students have successfully completed the same course.
- One student of third year has successfully completed the SWAYAM-NPTEL online certification course 'Reinforcement Learning'.
- 3 students of third year IT have successfully completed the SWAYAM-NPTEL online certification course 'Social Network Analysis'.
- 1 student of third year IT has secured Elite tag for the SWAYAM-NPTEL online certification course 'Software Testing' and 1 student has successfully completed the same course.
- 1 student of third year IT has secured Elite tag for the SWAYAM-NPTEL online certification course 'Understanding Incubation and Entrepreneurship' and 8 students have successfully completed the same course.
- 1 student of third year has successfully completed the SWAYAM-NPTEL online certification course 'Social Networks'.

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE
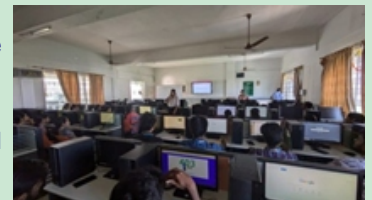
Programs organized:

Mr.Prabhu Ranjith P and Mrs.Keerthana K have organized a five day FDP on 'Open Source Applications in Engineering Education' from 18.11.2024 to 22.11.2024 through NITTTR – Chandigarh.

Association Activities:

- The Association of Artificial Intelligence and Data Science - ASPYRA organized the 20th National Level Students' Technical Symposium AIRO '24 on 05.10.2024.
- A hands on training on HADOOP was conducted by ASPYRA for the third year students by Swarna Manjari B, Data Scientist, Boo World on 17.10.2024 for the benefit of the students.

Students Activities:

- Pranishka S of third year has secured the second prize for JCI Erode Excel in Golden Mahal on 05.10.2024.
- Third year students Priya S has secured Elite + Silver (Topper 2%) and Harini M Elite + Silver (Topper 5%) tags in the SWAYAM-NPTEL online course 'Introduction to Industry 4.0 and Industrial Internet of things'. 6 students have secured Elite + Silver certification, 18 Elite tags and 8 students have successfully completed the same course.
- Second year students Harini V S has secured Elite + Silver (Topper 2%) & Ms.Preyadharrseni N N Elite + Silver (Topper 1%) in the SWAYAM-NPTEL online course 'Software Engineering' and 11 students have got Elite certification and 17 students have successfully completed the same course.
- 2 students have secured Elite certification and one student has successfully completed the SWAYAM-NPTEL online course 'Software Testing' and one student has secured Elite certification in the course 'Ethical Hacking' and one more student has got Elite + Silver certification in the course 'Learning Analytical Tools'.
- 20 second year students presented papers on the titles 'Emotional Intelligence in Human-AI Collaboration', 'Sixth Sense Technology', 'AI in Autonomous Vehicles', 'AI in Gaming', 'AI in Space Exploration' conducted by KGiSL Institute of Technology on 01.10.2024.

- 2 second year AIDS students participated in Image Promoting event in KGiSL Institute of Technology on 01.10.2024.
- 3 second year students participated in Tech Quiz Program held at KGiSL Institute of Technology on 01.10.24.
- 7 second year AIDS students participated in the Technical Program (connectix) in Kgisl Institute of Technology on 01.10.2024.
- Prabu M and Nishanth D of third year AIDS participated in the Quiz MANN KI BAAT on 8.10.2024.
- Meena S and Gowtham M of third year AIDS participated in PALS thinkathon conducted at Sri Eshwar College of Engineering, Coimbatore, on 24.10.2024.
- Prabu M and Nishanth D of third year AIDS participated in the Quiz conducted in view of National Unity Day on 2.11.2024.
- Pranishka S of third year attended a Seminar on "Future trends and innovation" and workshop on 'Future trends and innovations in Block chain Technology' conducted by Study world college of engineering on 16.10.2024.
- 41 2nd year students attended the Spoken Tutorial under the topic 'Java Programming' organised at Velalar College of Engineering and Technology by Spoken Tutorial Project, IIT Bombay on 07.11.2024.
- 38 3rd year students attended the Spoken Tutorial under the topic 'R Training' organised at Velalar College of Engineering and Technology by Spoken Tutorial Project, IIT Bombay on 08.11.2024.
- Dharani C of third year AIDS participated in the Annual Training Camp held in Kongu Arts and Science College from 15.10.2024 to 24.10.2024.
- 27 third year AIDS students underwent internship in various companies in December 2024.

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Association Activities:

Association of AIML 'ARINMACLES' organized hands on training on Numpy and Pandas. The session was handled by Mr.A.Vinodkumar, Training Manager, NWE Consultancy Services, Erode and Mr.S.Vinoth Kumar, Managing Director, NWE Consultancy services, Erode.

Placement Activities:

All the Students attended Motivational Speech given by Mr.T.Raghunath, a psychologist and Director of Relax Life Skills Academy, Chennai, on 18th and 19th October 2024.

Students Activities:

- Five students of second year AIML have attended the internship at Extazee software Solution, Trichy from 16-12-2024 to 30-12-2024.
- Six students of second year AIML have attended the internship at Codebind Technologies, Coimbatore from 16-12-2024 to 22-12-2024.
- Eight students of second year AIML have attended the internship at Sparkout Tech Solutions, Coimbatore from 17-12-2024 to 27-12-2024.
- Five students of second year AIML have attended the internship at LTTZ Tech, Coimbatore from 16-12-2024 to 25-12-2024.
- Four students of second year AIML have attended the internship at Prinston Smart Engineers, Bangaluru from 12-12-2024 to 12-01-2025.
- Five students of second year AIML have attended the internship at Haayani Tech, Erode from 12-12-2024 to 23-12-2024.
- Three students of second year AIML have attended the internship at YBI Foundation, Delhi from 15-12-2024 to 30-12-2024.
- One student of second year AIML has attended the internship at Stan Ventures, Namakkal from 12-12-2024 to 22-12-2024.
- Kalaivani R, Sarjana Nagamanikandan, Sugitha V M and Sonia V have presented a paper on the topic 'AI in Predictive Policing' on 04.10.2024 at Sri Ramakrishna Engineering College, Coimbatore.
- All the 59 students of second year AIML have attended Training in Python 3.4.3 on 14-10-2024 and 55 students attended the assessment and received certificates for the same.
- 17 students from second year AIML have completed 'Java Foundation' certification in Infosys Springboard.
- Shanmeena G of second year AIML has participated in Anna University Zone 12 Football (Women) match held at J.K.K.Munirajah College of Technology on 01.10.2024.
- Vengadeshwaran K of second year AIML has participated in Anna University Zone 12 Football (Men) match held at Erode Sengunthar Engineering College, Thuduppathi on 02.10.2024.
- Sanjay Siva Hemanth S of second year AIML has secured Elite tag in the SWAYAM-NPTEL online course 'Cloud Computing' and Srihari E S has successfully completed the course. Gowtham B of second year AIML has also successfully completed the course 'Understanding Incubation and Entrepreneurship'.
- Bharath S, Harishnni K R and Bhavani S of second year AIML have secured the Elite tag and Nevetha V, Poojasri G, Shanmuga Priya K S, Suryakala R, Arunachala M, Kaviyarasi S, Kavindran T and Dhanuspriya R have successfully completed the SWAYAM-NPTEL online course 'Software Engineering'.
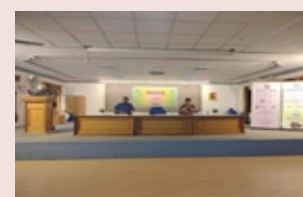
DEPARTMENT OF MANAGEMENT STUDIES

Programs organized:

- TNSCST, Chennai & NCSTC, New Delhi, sponsered training programme for Management Students was organized on the topic 'Creating Awareness on Uzhavan App among Science and Technology Students for Promoting Agripreneurship in Western Districts of Tamilnadu' on 24.10.2024. Thiru. S. Vengatesan, Joint Director of Agriculture, Erode was the resource person.

- A workshop for Management Students on the topic 'Executive Leadership and Strategic Development' was organized on 30.12.2024 for the benefits of the students. The programme was felicitated by Mr. Mohamed Ali Jamesha, JCI Trainer & Founder – Alis Academy, Erode.

Placement Activities:

- Two students got placement in NJ Invest Pvt ltd, Chennai and Focus Education Pvt ltd (Face), Coimbatore.
- Three students secured placement in Value Ingredients' Pvt ltd, Chennai.

Students Activities:

- All the second year MBA students have participated in Tamil Nadu State Council for Science and Technology (TNSCST), Govt. of Tamil Nadu, Chennai and NCSTC, Govt. of India, New Delhi sponsored two days training programme on 'Creating Awareness on Uzhavan app among Science and Technology Students for Promoting Agripreneurship in Western Districts of Tamil Nadu' from 24.10.2024 and 25.10.2024.

- Dhivyadharshini K and Elakkiya V of second year MBA have presented a paper entitled 'Green Finance' and Swetha S N, Mohana Dharshini R and Shammapaulin R on the topic 'Automation in Logistics' in the International Conference on 'The Role of Technology and Management in Fulfilling the Sustainable Development Goals for a Green Future' organized by the Department of Management studies, Erode Sengunthar Engineering College, Perundurai, on 29.11.2024.

- Eniyadharshini K and Shahana S of second year MBA have presented a paper entitled 'Digital Marketing Strategies for Insurance Industries', Deepika N and Yavana M on the topic 'Customer – Centric Insurance Leveraging Digital Platforms to Improve User Engagements' and Indradevi S, Kavivarthini T E and Keerthana A on the topic 'AI – Powered Spixii Chatbots and virtual Assistants: Enhancing customer Engagement in Insurance' in the national seminar on 'Innovation and Digitalization of the Insurance Industry in India: A New Era' organized by School of Commerce, Rathinam College of Arts and Science, Coimbatore in association with Insurance Institute of India, Mumbai on 23.12.2024.

- An outbound training to Turning Point Venture, Coimbatore was organised on 29.11.2024. 51 students of first year MBA batch (2024-2026) have participated in it. They learned and trained lot of Management Skills for their professional career.

DEPARTMENT OF SCIENCE AND HUMANITIES
DEPARTMENT OF MATHEMATICS

Programs organized:

- A Motivational Talk was organised on the topic 'Ungal Kalviyin Nokkam Enna?' was held on 26.11.2024. Mr. C. Gopinath motivational speaker cum television anchor has delivered a motivational speech to the first year students. Thiru.C.Jayakumar, B.A., B.L., President, Vellalar Educational Trust presided over the function. Thiru. S.D. Chandrasekar, B.A., Secretary & Correspondent felicitated the gathering and Dr.M. Eswaramurthi welcomed the gathering.

- Dr. M. Eswaramurthi, Professor and Head, Department of Mathematics and Ms. K. Malarkodi Valentina, AP / Maths, organized a TNSCST sponsored one day state level seminar on the topic 'Polygon Fuzzy Numbers: Exploring New Horizons in Uncertainty Analysis and Management' was conducted on 04.12.2024. Dr. J. Dhivya, Assistant Professor, Department of Mathematics, Kumaraguru College of Technology, Coimbatore and Dr. G. Thamizhendhi, Assistant Professor, Department of Mathematics, Sri Vasavi College, Erode were the resource persons.

- Dr. M. Eswaramurthi, Professor and Head, Department of Mathematics and Ms. D. Nandhini, AP / Maths organized a TNSCST sponsored one day state level workshop on the topic 'Mathematical Machine Learning and its Applications' was held on 10.12.2024. Dr.S.Kannimuthu, Professor, Department of CSE, Karpagam College of Engineering, Coimbatore, and Dr. K. Sumathi, Associate Professor, Department of CSE, Builders Engineering College, Kangayam were the resource persons.

CLUB ACTIVITIES

English Literary Association

- English Literary Association organized an interactive session on the topic 'The Role of Language in Shaping Identity', with the alumnus Ms. Keerthi Nanepamula on 09.11.2024 for the first year students. The event paved way for their effective interaction aiding in strengthening their communication abilities for their career development.

- English Literary Association conducted 'Ink and Imagination', on 15.10.2024 for first year students to express their creativity and explore diverse themes. Eighty five students participated enthusiastically.

Electoral Literacy Club

- Electoral Literacy Club conducted Voter Awareness Program for celebrating the Constitution Day on 22.11.2024 and also conducted Essay Writing Competition under the topic 'Fundamental Duties' on 23.11.2024.

Youth Red Cross

- Erode Forest Department (Chennimalai Region) organized a Wild Animal Welfare Awareness Rally at Sengodampalayam Erode on 08.10.24 . In this programme 123 Youth Red Cross volunteers of VCET participated. In this rally Dr. M. Eswaramurthi, HoD / S&H and Dr. K. Manikandan, Professor/Chemistry and Youth Red Cross programme officer participated in it.

- As per the instruction given by Directorate of Technical Education, short movie 'Chinna Chinna Kuruvikal' was screened for first year UG students on 25.10.2024 by Youth Red Cross of VCET.

JCI Club

To support the conservation of wild animals, JCI Club organized a rally on 08-10-2024 along with Erode Forest Department which was aimed at raising awareness about the urgent need to protect endangered species and their habitats. Participants took a pledge to advocate for wildlife conservation and reduce activities that contribute to habitat destruction. The rally included discussions on the critical role wild animals play in maintaining ecological balance and the threats they face from poaching, deforestation, and climate change. By the end of the event, attendees committed to promoting conservation efforts and making responsible choices to help preserve biodiversity for future generations.

In observance of International Child Day, JCI Club organized an event to raise awareness about children's rights on 17.10.2024 and to promote their well-being. Attendees took a pledge to support initiatives that ensure every child has access to education, healthcare, and protection from harmful activities. The event featured discussions on the importance of creating safe and nurturing environments for children to thrive, as well as the challenges many face around the world. By the end of the day, participants committed to advocating for the rights of children and contributing to efforts that help build a brighter, safer future for the next generation.

Green Club

Green Club of VCET has conducted Plantation Programme at Lakshminagar, Bhavani on 04.10.2024 in connection with Kalingarayan Pasumai Marathon Team. Kalingarayan Pasumai Marathon team members, Green Club Office Bearers and Dr.M. Sridharan, AP / Chemistry and Green Club coordinator also participated in this programme.

Green Club of VCET organized Energy Conservation Day at the college 14.12.2022. The day focused on making people aware of global warming and climate change and promoted efforts towards saving energy resources. It also highlighted the achievements of the country in the fields of energy efficiency and conservation. Dr.M.Eswaramurthi/HOD, S&H, Green Club volunteers along with around 200 students participated in this programme.

Entrepreneurship Development Cell

- EDC organized a special lecture on 'How to Prepare Ourselves for Pitching Competition' on 03.10.2024. Mr. Emmanuel Robin Joseph, Founder of Svasti Vector Solutions was the resource person. He counseled the students about the preparation strategies required to participate in pitching events.
- The cell organized a seminar on 'The Entrepreneurial Mindset: Thinking Big Activity Smart' on 05.10.2024. Mr.Shanmugavel Subramani, Director of Engineering YUBI, Chennai, was the resource person. He motivated the students towards entrepreneurship and doing things in smart way.
- EDC organized a workshop on the topic 'Big Data Innovation for Aspiring Engineers' on 09.10.2024. Ms.Swarna Manjari B Data Scientist @ Boo World was the resource person.
- The cell organized a workshop on the topic 'My Story- Motivational Session by successful Entrepreneur/Startup Founder' on 09.10.2024 Thiru. Nithish Sabari, Azure Data Engineer, TCS-Chennai addressed the students.
- A seminar on 'Innovation and Entrepreneurship in Embedded Systems and IoT' was arranged by EDC on 14.10.2024. Mr. Karthick Rajamanickam, Software Test Engineer at San Technovation, Pvt Ltd., Salem, handled the session.
- EDC organized a workshop on 'A Journey through Design and Critical Thinking' on 10.10.2024. Mr. Vinoth Kumar S, Managing Director, NWE Consultancy Services, Erode addressed the students on the topic.
- The cell organized a workshop on 'IOT Innovation's for Aspiring Entrepreneurs' on 14.10.2024. Mr.Kathick R, Lead Technical, San Technovation, Erode was the resource person.
- EDC organized a workshop on 'Innovation and Entrepreneurship: Building a Successful Startup' on 14.10.2024. Mr. Praveen R, Senior Embedded Engineer, San Technovation, Perundurai, handled the session.
- An Expert Talk on 'Advanced Business Application Programming for Innovators and Entrepreneurs' was organised on 14.10.2024. Mr.Surya S, TCS ABAP Developer, Bengaluru, delivered a talk to the students.
- EDC organized a seminar on 'Innovation, Management and Promotion in Biomedical Field' on 18.10.2024. Dr. Pravin Kumar S, Associate Professor, Department of Biomedical Engineering, SSN College of Engineering Chennai addressed the students.
- The cell organized a workshop on 'National Education Day' on 28.10.2024. Mr.Mohan Natesan, Corporate Trainer, Happi Code Info Tech was the resource person.
- EDC organized a workshop on the topic 'Power Train & Vehicle Integration' on 29.10.2024. Mr. Kingston Ravi, Senior Design Engineer, SAN Engineering Solutions, Perundurai handled the session.
- EDC organized a seminar on 'Digital Platforms Supporting Youth Entrepreneurship' on 08.11.2024. Mr.Aakash L, Nediveli Technologies, Erode addressed the students.
- A guest lecture on the topic 'Innovating the Future of Biomedical Sciences' was organized on 8.11.2024. Ms.Shangamithra Sivakumar, Data Manager, ZIFO Technologies addressed and motivated the students.

Fine Arts Club

- Fine Arts Club and ISTE Staff and Students chapter jointly organized 'Teachers' Day and Engineers' Day Celebrations' on 04.10.2024. Faculty members have received recognition for their accomplishments in a variety of fields, including NPTEL toppers, books and book chapters, and papers published.
- On 16.10 2024, an elocution competition in English was held on the theme 'Gandhi's idea on Education and Character Building'.
- Tamil Elocution competition was conducted on the topic 'Thozhilnutpattin Valarchi: Nanmaikalum Patippukalum' on 17.10.2024.
- Pencil drawing competition was organized on the theme 'Girls Vision for the Future' on 28.10.2024.
- Poster making competition was conducted on 10.12.2024 on the theme 'Artificial Intelligence, Human Rights & Energy Conservation' for the first year BE/BTECH students.

Rotaract Club

- In honor of the General Body Camp's successful conclusion, a special 'Thanksgiving' event was held on 01.10.2024. Mr. M. Yuvaraja, Trustee, Vellalar Educational Trust participated in the event and encouraged students to keep working toward changing society for the better.
- On 02.10.2024, Gandhi Jayanthi was observed. Dr. M. Jayaraman, Principal, elaborated Mahatma Gandhi's legacy and encouraged students to live up to his principles of nonviolence, peace, and community service.
- In an effort to encourage road safety and traffic discipline among the general people, Honourable Mr. S. Muthusamy, Minister of Housing and Urban Development, Government of Tamil Nadu graced the Erode bus terminal on 04.10.2024, with the Traffic Awareness Rally and Flash on Road Safety.
- An awareness-raising event was held on 10.10.2024, on the occasion of World Mental Health Day. The seminar was led by Mrs. Abinaya Jawahar, a Psychologist, Language Trainer and Founder, Abi's Counseling, Chennai.
- In collaboration with the Rotaract Clubs of GCT, Coimbatore, KIOT, Salem, NGM, Pollachi, KSRCE, KSRCT Salem, the Velalar College of Engineering and Technology Rotaract Club hosted a virtual program called 'Amplify - Elevate Your Eloquence' via Google Meet on 14.10.2024. Rtr. Bharath Kanna, a Certified District Trainer from the Coimbatore New Generation Rotaract Club, graced the session. He delivered useful guidance on overcoming stage fright, organizing speeches, and successfully interacting with audiences.
- In observance of World Students' Day, an online essay writing competition was held on 15.10.2024, in honor of Dr. A.P.J. Abdul Kalam. The competition was led by Dr. N. Thangaraj, Professor / Physics and faculty advisor.
- The government organized the Mega Job Fair event with the goal of connecting job seekers with businesses in a variety of industries that provide worthwhile career prospects on 19.10.2024. Thiru. Raja Gopal Sunkara, the District Collector of Erode, officially opened the fair. Members of the Rotaract Club were crucial in ensuring the event run smoothly.

- The 'Carnival' theme of the District Rotaract Fellowship took place at Christ the King Engineering College, Karamadai on 20.10 2024. For an unforgettable day of celebration and camaraderie, Rotaractors from all over the district came together for the event.
- Under the direction of Dr. N. Thangaraj, a fundraising event named 'Care and Cure' was held in our institution on 24.10.2024, with the goal of aiding international efforts to eradicate polio. As part of the campaign, fundraising boxes were positioned throughout the campus to solicit donations from staff, faculty members, and students.
- On 28.10.2024, in observance of World Animation Day, an information session called 'Anim8' was held via over Google Meet, and the guest speaker was Mrs. Vimala M, AR/VR Designer, Pep Softwares, Erode.
- Rotaract VCET and the Erode Cancer Center jointly organized a Cancer Awareness Program on 29.10 2024, at the Thindal bus stop in Erode, to inform the public about breast cancer, its symptoms, and the value of early identification. Dr. K. Velavan, MD, RT, Radiation Oncologist and Managing Director, Erode Medical Center, was the session's featured guest.
- 'Imprints The Promises' an event to encourage environmentally sustainable method for the celebration of Diwali festivities was conducted on 29.10.2024.
- A programme to raise awareness on Education Loan was held on 29.10 2024, at our college for first-year students. This program sought to give students vital information about how to apply for educational loans, including eligibility requirements, repayment alternatives, and application procedures.
- On 10.11.2024, an event called 'Ubasarippu' and 'Bond & Play' took place at the Mercy Orphanage Home in Palayapalayam. Rtr. IPP. P. S. Manoj Kumar, Club Advisor and District Priorities and Initiatives Chair of Rotary International District 3203, was the event's guest. The main goals of the event were to provide food to the kids, brighten their day, and give them an enjoyable afternoon while building a sense of belonging and community. Our team engaged the kids through fun games and activities that fostered camaraderie and cooperation.
- Rotaract VCET hosted the 'Green Thumb Fiesta', an environmentally conscious event, at Vellalar High School for Girls, Thindal on 14.11 2024. Through the donation of saplings, this considerate Children's Day project sought to instil in young children a sense of environmental responsibility and understanding. Ms. Kousalai Palanisami, Principal of the school honored the children.

- An entertaining online drawing contest called 'Inspiration Colours' was held from 14.11.2024 to 18.11 2024, in view of Children's Day.
- On 16.11 2024, a thought-provoking virtual meeting called 'Figma Frenzy' was held via Google Meet. The purpose of the program was to familiarize participants with the fundamentals of Figma, a popular design tool. The guest for the event was Ms. Harshana Duraisamy, Vice President, Tech Crew Club, Department of CSE, VCET. She highlighted the importance of design skills in today's digital landscape and how tools like Figma can boost productivity and creativity in numerous sectors.
- A Dengue Awareness Program was conducted at Thindal on 19.11.2024. In order to foster a healthier community, this program sought to inform residents about dengue prevention strategies. Rotary International District 3203's District Executive Secretary, Rtn. PP. MPHF. Nallakumarasamy, contributed his knowledge to the occasion. The program 'Defeat Dengue Together' took place in Karaparai on 19.11.2024. It is an effort to raise community awareness about dengue prevention and control.
- In an effort to raise awareness and prevent strokes, our club actively volunteered for the Senthil Marathon on 01.12.2024 in Thindal. This community-based program highlighted the value of prompt medical attention and good lifestyle choices. The event was supported by Mr. M. Yuvaraja, Trustee, Vellalar Educational Trust, who emphasized the need of community involvement in raising health awareness.
- From 07.12.2024 to 08.12.2024, our club took part in the District Rotaract Trekking event called 'Way Finders' in the scenic hill station of Munnar, Kerala. Rotaractors from different clubs within Rotaract District 3203 came together for this exciting event, which encouraged cooperation, discovery, and a closer bond with the natural world. Rtr. PP. T. Selva Vignesh, the District Rotaract Representative Elect (2024–2025) of RI District 3203, blessed the occasion with his presence. His passion and leadership boosted the event's vigor and spirit.
- On 14.12.2024, our club hosted an informative online session called 'Energenix' in collaboration with the PPG Institute of Technology. The goal of this cooperative endeavor was to raise Rotaract members' understanding of the value of energy conservation. RI District 3201's District Trainer Designate, Rtr. Muruganandham, was the event's distinguished guest speaker.

- The District Leadership Seminar (RYLA) was held from 14.12.2024 to 15.12.2024 at The Grand Lake Resorts, Poolampatti, The District Governor of Rotary International District 303, Rtn. MD. Dr. S. Suresh Babu, presided over the seminar and inspired the participants to strive for higher goals in their leadership development.
- 'Posteria', a virtual poster-making competition, took place from 14.12.2024 to 18.12.2024. The purpose of the event was to commemorate National Energy Conservation Day and spread the word about how important energy conservation is. The goal of the Energy Guard event was to persuade participants to embrace easy daily routines that help save energy.
- On 15.12.2024, our Rotaractors participated in an online workshop titled 'LinkedIn Workshop'. The goal of the event was to enable professionals, college students, and aspiring business owners to use their LinkedIn profiles as powerful instruments for professional development. Rtr. PP. Kaviya Maruthsalam, an esteemed expert in the field, who provided insightful information on networking tactics, personal branding strategies, and how to create a professional LinkedIn profile.
- On 23.12 2024, a joyful Merry Moments Carnival was held at Vellalar High School for Girls, Thindal. The purpose of the event, which was a part of the Christmas festivities, was to make the school children happy and cheerful. Club Advisor Rtr.IPP.P.S.Manoj Kumar attended the event.
- In order to share the spirit of kindness and caring throughout the holiday season, our club, in partnership with Rotary International District 3203, arranged a Mega Food Donation event on 24.12. 2024, by donating meals to impoverished communities.
- On 25.12.2024, our club had a heart warming Christmas celebration in Periyar Nagar Park in Erode. By giving out gifts in celebration of the holiday season, the event aimed to make the kids and their families happy and cheery while also fostering lifelong memories. Rtr. IPS.M.J. Poovendran graced the ceremony with his presence.

Women Empowerment Cell

- International Women's Day Recognition Award program was organized by Women Empowerment Cell in association with Department of BME on 10.10.2024. Faculty participants were awarded prizes for various events conducted during International Women's Day celebration on 08.03.2024. Dr.S.Jabeen Begum, Professor & Head, Computer Science and Engineering, VCET was the Chief Guest and gave a talk on 'Handling Time Well is the Key to a Healthy Work-Life Balance'.
- On behalf of International Girl Child Day Celebration, a motivational talk was organized by Women Empowerment Cell in association with Department of BME on 17.10.2024. Jc. S.Logeswari, Zone Trainer, JCI India, Zone-17 was the Chief Guest and gave a talk on the topic 'Be a Queen'.

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

DEPARTMENT OF BIOMEDICAL ENGINEERING

- Forty three programmes were attended by faculty members in the Department of Biomedical Engineering.
- Mr.S.Govindaraj, Ms.S.Maheswari and Dr.M.Ponni Bala have presented a paper in the 5th International Conference on 'Data Intelligence and Cognitive Informatics' on the topic 'IoT Based Automated Rehabilitation using 3D Printed Hand and Health Monitoring for Paralyzed Patients' at SCAD College of Engineering and Technology, Tirunelveli from 18.11.2024 to 20.11.2024
- Dr.M.Ponni Bala presented a paper in the 5th International Conference on 'Data Intelligence and Cognitive Informatics' (ICDICI-2024) on the topic 'Enhancing Urban Subway Safety System: An IOT-Based Floodwater Management System' at SCAD College of Engineering and Technology, Tirunelveli from 18.11.2024 to 20.11.2024. she has also presented another paper in the IEEE International Conference on 'Augmented Reality, Intelligent Systems, and Industrial Automation' (ARIIA-2024) on the topic 'Quantum Machine Learning: Enhancing Algorithms through Quantum Neural Networks and Data Analysis' at Manipal Institute of Technology, Manipal from 20.12.2024 to 21.12.2024.
- Ms.S.Maheswari presented a paper in the International Conference on 'Sustainable Communication Networks and Application' (ICSCNA-2024) on the topic 'Analysis and Detection of Preeclampsia using Machine Learning Techniques' at Bharath Niketan Engineering College, Theni from 11.12.2024 to 13.12.2024.

NPTEL:
- Dr.N.Jeyashanthi, Dr.P.Ravikumar and Ms.M Sharmila have secured the Elite + Gold tag in the SWAYAM-NPTEL online course 'Electronic Systems for Cancer Diagnosis' Dr.J.Rajalakshmi, Ms.D.Sasipreetha and Ms.R.Leelavathi have secured the Elite + Silver tag for the same course.
- Ms.R.Indhumathi has secured the Elite+ Silver tag for the SWAYAM-NPTEL online course 'Joy of Computing using Python' and Dr.S.K.Manikandan has secured the Elite tag and Mr.K.Rajaram has successfully completed the same course.
- Mr.R.Saravanakumar and Mr.K.Giri have secured the Elite tags for the SWAYAM-NPTEL online courses 'Introduction To Internet of Things' and 'Accreditation and Outcome Based Learning' respectively and Ms.C.Radhika has successfully completed the course 'Deep Learning'.
- Mr.R.Saravanakumar and Ms.S.Maheswari awarded as Top Performing Mentor for 'Introduction to Internet of Things' SWAYAM- NPTEL course.
- Dr.N.Jeyashanthi, Dr.M.Ponni Bala, Dr.J.Rajalakshmi, Ms.P.Georgia Chris Selwyna, Ms.S.Yamunadevi, Ms.R.Leelavathi, Ms.D.Sasipreetha, Ms.R.Indhumathi awarded as Top Performing Mentor for 'Electronic Systems for Cancer Diagnosis' SWAYAM- NPTEL online course.

DEPARTMENT OF CIVIL ENGINEERING

- A total of eight programmes were attended by seven faculty members in the Department of Civil Engineering.
- Dr.C.Karthik, Mr.S.Suresh and Mr.S.C.Sarath Kumar have successfully completed the SWAYAM-NPTEL online course on 'Bridge Engineering' with Elite tag.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

- Fourteen programmes were attended by faculty members in the Department of Computer Science and Engineering.
- Ms.M.Thilagarani and Ms.S.Nithya have presented a paper titled 'Concrete Quality Analysis using NLP and Machine Learning Algorithm Model Design', in the 6th International Conference on 'Recent Advancements in Materials and Manufacturing' (ICRAMM 2024) in Velalar College of Engineering and Technology on 30.12.2024 & 31.12.2024.
- Ms.C.Kotteeswari has presented a paper titled 'Enhanced Fraud Detection In Digital Payments Using Generative AI' in the International Conference on 'Recent Advances In Science, Engineering And Management' on 30.11.2024 in Trinity Academy Of Engineering, Pune.
- Ms.Vidhya R has presented a paper titled 'Comprehensive Machine Learning Framework For Predicting And Classifying Heart Disease: Leveraging Advanced Algorithms For Early Detection, Risk Assessment, And Personalized Treatment Strategies', in the International Conference on 'Engineering And Technology' in Zigma Medicare India (Opc) Private Limited, Coimbatore from 26.11.2024 to 27.11.2024
- Mr.Manicka Senthamarai N has presented a paper titled 'Intelligent Irrigation System with Smart Sensor Using IoT for Agricultural Field', in the 2nd International Conference on 'A Computer Vision and Internet of Things' in Karunya Deemed University, Coimbatore from 10.12.2024 to 11.12.2024.
- Dr.S.Russia acted as a resource person in the online six day Faculty Development Program on the 'Introduction to Machine Learning (AMT 305) and Python & Machine Learning Lab (AML311)', held on 11.12.2024 at Mar Baselios Christian College of Engineering and Technology, Kerala.
- Dr.V.Kavitha acted as a reviewer in the online 3rd International Conference on 'Signals, Machines & Automation' (SIGMA) 2024 held on 22.12.2024 at Nethaji Subhas University of Technology, New Delhi.
- Nivetha I acted as a resource person in the online five day Faculty Development Program on the 'Problem Solving and Advancement in Python Programming' held on 03.12.2024 at Sree Narayana Institute of Technology.
- Ms.M.Nanthini and Ms.S.Dhivya have completed the SWAYAM-NPTEL course on 'Accreditation and Outcome Based Learning' with Elite + Silver certification during October 2024.
- Ms.M.Mohanasundari and Ms.C.Kotteeswari have completed the SWAYAM-NPTEL course on 'Machine Learning' with Elite certification during October 2024.
- Ms.M.Thilagarani and Ms.S.Nithya acted as Mentor for the SWAYAM-NPTEL online course 'Introduction to Internet of Things'.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

- Fifteen programmes were attended by faculty members in the Department of Electronics and Communication Engineering.
- Dr.S.Rajan, Dr.M.Parimala Devi, Dr.K.Senthil Prakash, Mr.K.S.Murugesan, Mr.G.Boopathi Raja, Mr.S.Nachimuthu, Mr.K.K.Pradeep and Mr.B.Dinesh Kumar have completed the SWAYAM-NPTEL online certification course 'Machine Learning and Deep Learning - Fundamentals and Applications' and awarded 'Elite' tag during July-October 2024.
- Ms.S.Yamuna and Mr.S.Ashwanth have completed the SWAYAM-NPTEL online certification course 'Educational Leadership' and awarded 'Elite+Gold' tag during July-October 2024.
- Ms.M.Ruba has completed the SWAYAM-NPTEL online certification course 'Accreditation and Outcome based Learning' and awarded 'Elite+Silver' tag during July-October 2024.

DEPARTMENT OF MECHANICAL ENGINEERING

- Seven programmes were attended by faculty members in the Department of Mechanical Engineering.
- Dr. R. Kumaravelan presented a paper titled 'Miniaturized Electromagnetic Structures using WBAN Application' in the 2nd International Conference on 'Emerging Research in Computational Science ICERCS'24' conducted by Karpagam Academy of Higher Education, Coimbatore from 12.1.2024 to 14.12.2024.
- Dr. R. Prakash and Dr. R. Kumaravelan presented a paper titled 'Experimental Study of Thermal Energy Storage Unit Integrated with Phase Change Materials in Solar Water Heater', Dr. D. Senthil Kumar, K. Ramakrishnan, T.C.R, Dinesh, A.T. Navin Prasad & V. Mohankumar on the topic 'Optimization of Electric Discharge Machining Process Parameters of Aluminium Metal Matrix Composites', A.T. Navin Prasad, Dr. D. Senthil Kumar, K. Ramakrishnan, T.C.R, Dinesh, Dr. R. Kumaravelan & M. Gopi on the topic 'Performance and Economic Study on Solar Still with V shaped Jute Cloth under different Water Levels and Dropwise Water Feed' and V. Mohan Kumar, Dr.S.Velumani, Dr. D. Senthil Kumar, A.T. Navin Prasad, Dr. R. Kumaravelan & D. Kesavan on the topic 'Mechanical Properties of Banana/Flax Hybrid Fiber Reinforced Epoxy Resin with Tea Waste Powder Filler Composites' in the International Conference on 'Recent Advances in Materials and Manufacturing - ICRAMM 2024' conducted by VCET from 30.12.2024 to 31.12.2024.
- Dr.D.Senthilkumar has completed the SWAYAM-NPTEL online course 'Product and Brand Management' with Elite + Silver Grade and Dr.R.Prakash and K.Ramakrishnan have completed the same course with Elite Grade.
- M.Gopi has successfully completed the SWAYAM-NPTEL online course 'Work System Design'.
- Dr. R. Prakash and Mr. M. Gopi have been recognized and appreciated for their roles as mentors for SWAYAM-NPTEL Online Certification Course 'Work System Design' and Dr. D. Senthilkumar, Mr. V. MohanKumar, and Mr. A.T. Navin Prasad for the course 'Product and Brand Management' during Jul–Dec 2024.

DEPARTMENT OF MEDICAL ELECTRONICS

- Mr. S. Surender has successfully completed the SWAYAM-NPTEL online course titled 'Machine Learning and Deep Learning - Fundamentals and Applications' and earned Elite certification, offered by IIT Guwahati.
- Over eight faculty members have actively participated in various Faculty Development Programs (FDPs), including AICTE Training and Learning (ATAL) FDPs and FDPs sponsored by the E & ICT Academy. These programs, hosted by different institutions, encompassed a diverse range of topics such as Armor Guard: Revolutionizing Motorcycle Safety with Smart Helmets, Design Thinking Approach and Innovative Practices in Biomedical Additive Manufacturing, Advancing Healthcare with Robotics: Rehabilitation Therapy and Sports Medicine, and Microsoft Azure AI Engineer.

DEPARTMENT OF INFORMATION TECHNOLOGY

- Ten programmes were attended by faculty members in the Department of Information Technology.
- Mr.A.Logeshwaran has completed the SWAYAM-NPTEL online certification course 'Software Conceptual Design' and awarded 'Elite + Silver' tag during July-October 2024.
- Dr.R.Menaka has completed the SWAYAM-NPTEL online certification course 'Introduction to Industry 4.0 and Industrial Internet of Things' and awarded 'Elite + Silver' with Topper of 5% and Ms.E.Sudha has successfully completed the same course during July-October 2024.
- Ms.R.Sangeetha has completed the SWAYAM-NPTEL online certification course 'Accreditation and Outcome Based Learning' and awarded 'Elite + Gold' with Topper of 5% during July-October 2024. Ms.P.Malar has completed the same course with 'Elite+Silver' tag and Ms.S.Chitra and Ms.S.Mekala completed the same course with 'Elite' tag.
- Dr. R.Menaka attended the International Conference on 'I-SMAC IoT in Social Mobile Analytics and Cloud' and presented a paper on the topic 'Vaccine Distribution using Cloud-based Reinforcement Learning for Logistics Management' conducted by Purwanchal Campus, Institute of Engineering, Tribhuvan University, Nepal on 03.10.2024.
- Mr. P.Prakash attended the 3rd International Conference on 'Optimization Techniques in the Field of Engineering' (ICOFE-2024) and presented a paper on the topic 'Identification of Black Gram Plant Leaf Diseases using Deep Learning Models' conducted by K.S.R College of Engineering, Namakkal on 22.10.2024.
- Mr. A.Logeswaran attended the First IEEE International Conference for 'Women in Computing' (INCOWOCO 2024) and presented a paper on the topic 'Attention-Based RNN for Alzheimer's Diagnosis: A Multi-Modal Approach with Enhanced Feature Retention Algorithm' conducted by Teerthanker Symbiosis Institute of Computer Studies and Research (SICSR), Symbiosis International (Deemed University), Pune, Maharashtra on 14.11.2024.
- Dr. K. Ganesh Kumar attended the 13th International Conference on 'System Modeling & Advancement in Research Trends' and presented a paper on 'Diabetic Retinopathy Severity Detection Using InceptionV3 and ResNet50 Architectures', Mr. C. Saravanan on the topic 'E-class Engagement and Behaviour Tracking using Machine Learning for Virtual Education', Ms. V. Leela on the topic 'Animal Intrusion Detection System in Agriculture using Deep Learning', Mr. K. Gopalakrishnan on the topics 'Anomaly Detection in Surveillance Camera' and 'Stress Detection in Working Professionals' and Ms. N.V.Keerthana on the topic 'A Comprehensive Analysis of Minutiae Point Extraction in Biometric Finger Print' conducted by College of Computing Sciences & Information Technology, Teerthanker Mahaveer University, Moradabad, UP on 06.12.2024 and 17.12.2024.

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

- Eight programmes were attended by faculty members in the Department of Artificial Intelligence and Data Science.
- Mrs.Sathyapriya M and Mr. Prabhu Ranjith P completed the SWAYAM-NPTEL online course 'Introduction to Industry 4.0 and Industrial Internet of Things' with 'Elite' certifications.
- Mrs.Harina A S completed the SWAYAM-NPTEL online course 'Accreditation and Outcome Based Learning' with 'Elite + Gold' (Topper 5%) certification and Ms.Aiswarya A with 'Elite + Silver' certification in the exams held in Aug-Oct 2024.
- Mr.Manoj Praveen V has successfully completed the SWAYAM-NPTEL online course 'Stress Management' during July-Oct 2024.

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

- Fifteen programmes were attended by faculty members in the Department of Artificial Intelligence and Machine Learning.
- Dr.V.Latha Jothi has secured the 'Elite + Gold' certification in the SWAYAM-NPTEL online course 'Introduction to Graph Algorithms'. She has also secured 'Elite' certification in course 'Computer Graphics'.
- D.Yamunathangam has secured 'Elite' certification in the SWAYAM-NPTEL online course 'Business Fundamentals for Entrepreneurs-Internal Operation', G.Gowthami for the course 'Python for Data Science' and S.Soorya for the course 'Accreditation and Outcome Based Learning'.

DEPARTMENT OF MANAGEMENT STUDIES

- Thirteen programmes were attended by faculty members in the Department of Management Studies.
- Dr.T.Vetrivel has presented a paper in the National Conference on 'Innovative Entrepreneurs' organized by Tech Mindsparc Innovations, Chennai on 20.11.2024. He has presented another paper on the topic 'Automation in Logistics Management' in the International Conference on 'The Role of Technology and Management in Fulfilling the Sustainable Development Goals for a Green Future' organized by Erode Sengunthar Engineering College, Perundurai on 29.11.2024.
- Dr.T.Vetrivel and Dr.S.Kumar have presented two papers on the topics 'Customer Centric Insurance: Leveraging Digital Platforms to improve User Engagements' and 'Digital Marketing Strategies for Insurance Industries' and Ms.L.Rasiga Priya on the topic 'AI – Powered Spixil Chatbots and Virtual Assistance: Enhancing Customer Engagement in Insurance' in the National Seminar on 'Innovation and Digitalization of the Insurance Industry in India: A New Era' organized by School of Commerce, Rathinam College of Arts and Science, Coimbatore in association with Insurance Institute of India, Mumbai on 23.12.2024.
- Dr.K.T.Kalaiselvi has presented a paper on 'Management 5.0: Enhancing Employee Well-being with Innovative Strategies' and Dr.A.Kannammal on 'Sustainable Finance –Driving the transition from low carbon Economy in Tamil Nadu through Industry 5.0' at the International Conference on 'Leveraging Cutting Edge Technologies for Sustainable Practices: Industry 5.0' at Bharati Vidyapeeth's Institute of Management Studies and Research, Navi Mumbai on 6th and 7th December 2024.
- Dr.N.Balachandran and Dr.K.T.Kalaiselvi have secured 'Elite+Gold' grade in the SWAYAM-NPTEL online course 'HR Analytics', Dr.T.Vetrivel, Dr.A.Kannammal and Dr.T.Mohanapriya have secured 'Elite+Silver' grade in the same course conducted during July – October 2024.
- Dr.D.Muthukrishnaveni has secured 70% in the SWAYAM-NPTEL online course 'Organisational Behaviour' during July – October 2024.
- Dr.S.Kumar has secured 60% in the SWAYAM-NPTEL online course 'Product and Brand Management' during July – October 2024.

DEPARTMENT OF SCIENCE AND HUMANITIES

DEPARTMENT OF MATHEMATICS

- Nine programmes were attended by faculty members in the Department of Mathematics.
- D. ShanmugaVadivu has presented a paper entitled 'Star Edge Coloring of Family of Ladder Graphs' in the National Conference on 'Graph Theory and Allied Topics' in the University of Mysore, Mysuru held on 23.10.2024 and 24.10.2024.
- K.Vetri has presented a paper entitled 'Edge Detection of Images based on the Extraction of Fuzzy Local Binary Pattern' in the International Conference on 'Advanced Mathematical Modelling, Simulation and Nonlinear Systems' in Erode Sengunthar Engineering College on 07.11.2024 and 08.11.2024.
- Dr.M. Eswaramurthi has delivered a lecture on 'Life and Contribution of Ramanujan towards Mathematics' for National Mathematics Day on Commemoration of the great Mathematician Srinivasa Ramanujan at VET Institute of Arts and Science College on 26.12.2024.
- Dr.C.S.Gowri secured 'Elite + Sliver' tag and S. Ramya and A. Ramya secured 'Elite' tag and R.Chitra has successfully completed the SWAYAM-NPTEL online certification course 'Mathematical Modeling and its Applications' conducted during Jul-Dec 2024.
- V. Kalaivani secured 'Elite + Sliver' tag in the SWAYAM-NPTEL online certification course 'Accreditation and Outcome Based Learning' conducted during Jul-Dec 2024.

DEPARTMENT OF PHYSICS

- Dr.N.Thangarj has secured 'Elite' certification in the SWAYAM-NPTEL online certification course 'Solid State Physics' during November 2024 and the course was also recoginsed by AICTE as a Faculty Development Programme. Dr.S.Ranjitha has successfully completed the same course and FDP.

DEPARTMENT OF CHEMISTRY

One programme was attended by faculty members in the Department of Chemistry.

DEPARTMENT OF ENGLISH

- Four programmes were attended by faculty members in the Department of English.
- Dr. S. Hemalatha has presented a paper on 03.10.2024 in the title 'AI - Driven Adaptive Language Learning', Ms. T. Sasikala, Dr. B. S. Gomathi and Ms. S. K. Aashika on the topic 'English for the Indian Diaspora' in the International Conference on 'Approaches to English Language Teaching and Learning Skills' (AELTLS) conducted by Dr.M.G.R. Education and Research Institute, Deemed to be University.
- Ms. V.Suguna has secured 'Elite + Gold' certification in the SWAYAM-NPTEL online course 'Technical English for Engineers' during July-October, 2024.
- Ms. M. Bharathi has completed the SWAYAM-NPTEL online certification course 'Soft Skills' with 'Elite + Silver' certification and Dr.S. Hemalatha with 'Elite' certification and Dr. B.S Gomathi, Ms. S.Tamilselvi and Ms. T. Sasikala have successfully completed the course during July-October, 2024.

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

DEPARTMENT OF BIOMEDICAL ENGINEERING

- Ms.C.Malavika, Dr.N.Jeyashanthi, Multi-Tissue Classification in Colon Adenocarcinoma WSI using ML Technique: A Comparative Study, Gradiva Review Journal, Vol.10 , Issue 12, ISSN 0363-8057, Pg. no.186-206, December 2024.
- Ms.R.Indhumathi, Advancements in Hazardous Waste Treatment Technologies: Environmental Impacts, Remediation Efficiencies and Regulatory Frameworks, Environmental Research and Hazard, Vol. 01, Issue 01, Pg.no.: 1-8, December 2024.
- Mr.S. Govindaraj, A Comparative Review of Deep Fake Detection Algorithms with Machine Learning, Afr. J. Biomed. Res., Vol. 27(4s), ISSN: 1119-5096, Pg. no. 11270-11277, December 2024.
- Ms.S.Maheswari published a utility patent titled 'Deep Learning-Driven Real-Time Medical Imaging Analysis System For Early Detection of Lung Cancer using Chest X-Rays and Computer Vision' on 13.09.2024.
- Dr.S.K.Manikandan published a utility patent titled 'Mobile Phone Enhanced Cooling System' on 07.10.2024.
- Ms.R.Indhumathi published a utility patent titled 'IoT-Driven Energy Management System for Hybrid Electric Vehicles with Machine Learning Optimization' on 07.10.2024.
- Ms. R.Leelavathi published a utility patent titled 'The Impact of AI in Human Resource Management on Faculty Recruitment, Academic Performance and Improvement in Higher Education' on 22.11.2024.
- Ms.P.Georgia Chris Selwyna published a utility patent titled 'Machine Learning driven Analysis of Anti-Leukemic properties of strontium ferrate (SrFeO3) Nanoparticles synthesized via Sol-Gel Process' on 06.12.2024.
- Ms.R.Indhumathi, 'Application of Artificial Intelligence and Machine Learning in Forecasting Renewable Energy Output and Smart Grid Operations' in the book titled 'Renewable Energy Systems with Advanced Smart Grid Technologies' by RADemics Research Institute with ISBN: 978-81-979336-1-5 indexed in Google Scholar published on 31.12.2024.
- Mr.K.Rajaram, Smart Water Quality Monitoring using IoT Technology (A Comprehensive Guide) by Science & Tech, ISBN: 978-93-341-7103-7, November 2024.

DEPARTMENT OF CIVIL ENGINEERING

- Dr.C.karthik published a utility patent on 'System for Wastewater reclamation In High-Rise Structures' on 04.10.2024.
- Dr.D.Sakthivel published a utility patent on 'High-Strength Composite Materials for Bridge Construction' on 15.11.2024.
- Ms.A.Anitha published a utility patent on 'Effects of Polypropylene Fibers on Spalling Resistance and Compressive Strength of Concrete at Elevated Temperatures' on 13.12.2024.
- Mr.S.Suresh published a utility patent on 'Smart Traffic Lights: Adaptive Systems for Optimizing Traffic Flow and Reducing Congestion' on 06.12.2024.
- Mr.S.C.Sarath Kumar published a utility patent on 'Mechanical Testing of Nanostructured Materials' on 27.12.2024.
- Mr.S.Ramesh Kumar published a utility patent on 'Sustainable Geopolymer Based Material for Road Construction' on 18.10.2024.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

- Dr.S.Jabeen Begum published book chapter titled 'Image Processing Techniques and its Applications in Computer Vision and Artificial Intelligence: Chapter no:7: Texture Analysis Techniques Using Statistical Measures Structural Approaches and Machine Learning Methods', RAD Emics, ISBN 978-81-979336-6-0, 2024.
- Dr.S.Russia published book chapter titled 'Recent Advances in Science, Engineering & Technology, Chapter: "HANA" - An IOT Fusion With Deep Learning for Smart Agriculture Crop Prediction and Crop Monitoring System', CRC Press ,e -book ISBN: 9781003527442, 2024.
- Mr. A.P. Gopu published a book titled 'Data and Information Security', Charulatha Publications, 978-81-982104-5-6, November, 2024.
- Ms.V.Raagavarshini published book chapter titled 'Hybrid Algorithms for Quantum Computing and Artificial Intelligence Chapter 5: Hybrid Quantum-Classical Algorithms for Optimization problems in AI', RAD Emics, ISBN 978-81-979336-4-6, 2024.
- Ms. S. Devisri published a book titled 'Algorithmic mastery with AI-Empowering solutions through Algorithmic Thinking', Aasan International Publication, 979-8-9898612-5-5, 2024.

- Mr.S.Senthilnathan published a patent titled 'Predicting Cloudburst Events Using Machine Learning Algorithms: A Data-Driven Approach to Enhance Weather Forecasting Accuracy' on 15.11.2024.
- Mr.A.P.Gopu published a patent titled 'Machine Learning and Graph Theory for Attack Detection and Route Optimization In Rf Networks' on 22.11.2024.
- Ms.C.Kotteeswari published a patent titled 'Automated Kidney stone detection in CT scans using Machine learning and Image Processing' on 13.12.2024.
- Ms. Vidhya R has published a Design Patent on 'IoT & ML for Crop Health Monitoring and Management System' on 20.09.2024.
- Ms.M.Thilagarani published a patent titled 'Detecting and Classifying Fraudulent SMS & Email with a Robust Machine learning Approach' on 06.12.2024.
- Ms.S.Nithya published a patent titled 'IoT-Driven Soil Monitoring and Crop Management with Machine Learning (ML) for Fertilizer Recommendation' on 27.12.2024.
- Ms. Nivetha I has published a Design patent on 'Artificial Intelligence Based Smart Accident Detection Through Video Surveillance Using Computer Vision & Deep Learing Algorithms' on 04.10.2024.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

- Dr.M.Parimala Devi, Mr.G.Boopathi Raja and Ms.T.Sathya published a book titled 'Portable IoT smart devices in Healthcare and Remote Monitoring' in Wiley online library on October 2024.
- Mr.R.Gopalan and Dr.K.R.Valluvan published a paper titled 'Inrush Current Measurement in the Water Pumping Station', in International Research Journal of Multidisciplinary Scope on October 2024.
- Dr. S. Mahendrakumar published a paper titled 'Design and Fabrication of L and U Slot Wearable Antennas for Wireless Body Area Network Applications', in International Research Journal of Multidisciplinary Scope on October 2024.
- Ms.N.Divyaa published a paper titled 'Design and Implementation of a LoRa-Based Remote Health Monitoring System with Emergency Alert Capabilities', in International Conference on Circuit Power and Computing Technologies on October 2024.

- Ms. S.Yazhini published a paper titled 'Comprehensive Overview of Microfluidic Flow Sensors: Principles, Materials and Fabrication', in Microsystem Technologies on October 2024.
- Dr.S.Mahendrakumar published a patent on 'Advanced Iot And Machine Learning Solutions For Sustainable Groundwater Management Using Fuzzy-Integral N-Transform' on 16.10.2024. [202441078749]
- Dr.V.Gowrishankar, Dr.M.Nisha Angeline, Dr.M.Parimala Devi, Mr.S.Nachimuthu, Mr.G.Boopathi Raja, Mr.K. K. Pradeep, Ms.R.Hemalatha and Ms.M. Padmapriya published a patent on 'Fog Computing Enabled Smart Logistics System' on 20.12.2024. [202441098525]

DEPARTMENT OF MECHANICAL ENGINEERING
- Dr. R. Prakash, Dr. R. Kumaravelan and V. Mohankumar 'Effect of Packing Factor on Energy Performance of Solar PV/T Water Heating Collector System – An experimental Study, Recent Advances in Materials and Manufacturing – AIP Conference Proceedings, Vol.3231 (1), pp. 020007 (1-11), Nov 2024. https://doi.org/10.1063/5.0235849
- A.T. Navin Prasad, Dr. R. Kumaravelan, Dr. D. Senthil Kumar and K. Ramakrishnan 'Comprehensive Review on Single Slope Solar Still – Recent Advancements, Performance Enhancement and Economic Analysis, Recent Advances in Materials and Manufacturing – AIP Conference Proceedings, Vol.3231(1), pp. 040007 (1-12), Nov 2024. https://doi.org/10.1063/5.0235943
- Dr. R. Prakash and Dr. R. Kumaravelan have registered a copyright for 'Heat and Mass Transfer Laboratory Manual' on 22.11.2024.

DEPARTMENT OF MEDICAL ELECTRONICS
- Mr. S. Surender published a patent titled 'Cyber Security with Cloud Based Automated Payroll with GPS Tracking System Using Image Processing Technique' (Application No. 202441080961), 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 October 24, 2024.

DEPARTMENT OF INFORMATION TECHNOLOGY
- Dr. R.Menaka published a paper titled 'A Novel approach for Designing a Blockchain-Based Intrusion Detection System for Securing IoT Networks Using Machine Learning Algorithms' in Journal of Library Progress International (Scopus indexed), Vol.44 No.3, 24786-247804 with eISSN: 2320-317X , pISSN: 0970-1052 on December 2024.
- Dr. R.Menaka published a paper titled 'A Cloud-Enabled IoT Framework for Liver Disease Detection Using ML and Embedded Electronics ' in Journal of Communications on Applied Nonlinear Analysis (Scopus indexed), Vol 32,Iss No 5,PP 51-68 with ISSN: 1074-133X on December 2024.

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE
- Dr Sadesh S published a book chapter on 'Data and Information Security', ISBN: 978-81-982104-5-6 on November 2024.
- Dr Sadesh S published a book chapter on 'Computer Architecture and Organization', ISBN: 978-81-982104-2-5 on November 2024.

- Mr.Manoj Praveen V published a book on 'Artifcial Intelligence And Machine Learning', ISBN: 978-93-6260-056-1 on November 2024.
- Mr Prabhu Ranjith P published a patent on 'Machine Learning-Based Solutions for Dynamic Vehicle Routing with All-Pair Shortest Paths and Time Window Constraints' on 16.10.2024.

DEPARTMENT OF MANAGEMENT STUDIES
- Dr.T.Vetrivel published a patent on 'The Strategic Impact of Machine Learning on Employee Performance Evaluation in Human Resource Management' on 15.11.2024.
- Dr.D.Muthukrishnaveni published a patent on 'Identification of Fake Vs Original Logos using Deep Learning' on 11.10.2024.
- Dr.N.Balachandran published a patent on 'The Use of Supply Chain Management in Manufacturing Organisation to Control Inventory Levels while Providing Adequate Service to Customer' on 20.12. 2024.
- Dr S.Kumar published a patent on 'An Analysis of the Social and Economic Impact of E-Commerce' on 20.12.2024.

DEPARTMENT OF SCIENCE AND HUMANITIES
DEPARTMENT OF MATHEMATICS
- Dr.K. Rathi has registered a copyright titled 'FUZZYHEPTAGON: A Programming Approach for computations on Heptagonal Fuzzy Numbers' on 04.10.2024 with registration number L-154939/2024.
- M. Sudharani has published a patent on 'Dynamic Equation Solver For Real Time Engineering Applications' on 17.11.2024 with application number 202441088834-A.
- K.Vetri has published a patent on 'Mathematical Techniques Combined with AI for Enhanced Drug Discovery and Clinical Trials' on 20.11.2024 with application number 202441090340 A.

DEPARTMENT OF PHYSICS
- Dr.Ranjitha S published a paper on 'Synthesis and Development of Novel Sensitizer from Spirulina Pigment with Silver Doped ZnO nano Particles for Bio-Sensitized Solar Cells' , Chemical Physics, Vol 9, December 2024 (SCIE).
- Dr.Ranjitha S published a paper on 'Synthesis of Nanostructured Semiconducting Cerium Oxide Associated Titanium Dioxide as Photoanodic Material for Dye-Sensitized Solar Cells' Chemical Physics, Vol 10, December 2024 (SCIE).

DEPARTMENT OF ENGLISH
- Ms. V. Suguna has published a patent on 'Educational Technologies for Enhancing and Assessing Students Learning and Results' on 01.11.2024 with application number 202441080796.
- Ms. S. Tamilselvi published a chapter titled, 'Exploring Feminine Sensibility in Anita Desai's Novel Cry, the Peacock and Where Shall We Go This Summer?' (pp 315-322), Ms. T. Sasikala published a chapter titled, 'An Analysis of the Diaspora in Indian English Literature' (pp. 308-314) and Ms. M. Bharathi on the title, 'Harry Potter and the Hero's Journey: Exploring Mythology in J.K. Rowling's Harry Potter and the Philosopher's Stone' (pp.338-343) in the book 'Contemporary World Literature: A Global Perspective' Volume II (ISBN: 9789393376817) in Sep, 2024.

AWARDS / RECOGNITIONS

DEPARTMENT OF BIOMEDICAL ENGINEERING
- Under the Guidance of Dr.S.Mangai, Professor and Head, Department of Biomedical Engineering, Velalar College of Engineering and Technology, R. Visalakshi, Part time Research Scholar completed her PhD viva Voce Examination on 27.12.2024 in the offline mode under Anna University .She defended her thesis titled 'Machine Learning and Deep Learning Approaches for Emotional Behaviour and Epilepsy Seizure Classification using Electroencephalogram Signals'. She is Dr.S.Mangai 's 6th PhD candidate to successfully defend her thesis.

DEPARTMENT OF MECHANICAL ENGINEERING
- Dr. S. Velumani, Dr. R. Prakash, Dr.D.Senthilkumar, Mr. D. Kesavan, Mr.V.MohanKumar, Mr. M. Gopi, Mr. T.C.R. Dinesh, and Mr. A.T. Navin Prasad have been commended for their contributions as Session Chairs during the 2024 Sixth International Conference on Recent Advances in Materials and Manufacturing (ICRAAM 2024).
- Dr. R. Kumaravelan has been recognized for his significant contribution as the Organizing Chair of the 2024 Sixth International Conference on Recent Advances in Materials and Manufacturing (ICRAAM 2024).

DEPARTMENT OF MANAGEMENT STUDIES
Dr.K.T.Kalaiselvi has received a grant approval of Rs.20,000 from TNSCST, Chennai under Popularization of Science Scheme for conducting workshop titled 'Creating Awareness on Vaccination and Impact of Malnutrition among Rural and Tribal Adolescent Girls'.

DEPARTMENT OF SCIENE AND HUMANITIES
DEPARTMENT OF ENGLISH
Ms V. Suguna has been recognized as an 'NPTEL Discipline Star' in the domain of Humanities and Social Sciences' during July – December 2024.

GLIMPSES OF VARIOUS ACTIVITIES

Jc S.Logeswari, Zone Trainer, JCI India, Zone-17 addressing the students on the topic 'Be a Queen'

Teachers' Day and Engineers' Day Celebration-04.10.2024

Traffic Awareness Rally on 04.10.2024

Screening of the short movie 'Chinna Chinna Kuruvikal'

Mr.Shanmugavel Subramani, Director of Engineering YUBI, Chennai, motivating the students towards entrepreneurship and doing things in a smart way.

Energy Conservation Day highlighting the impact of global warming and climate change.

VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous)

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