



# VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous)

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

Thindal, Erode – 638 012

## Newsletter

### INTERNAL QUALITY ASSURANCE CELL (IQAC)

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#### MESSAGE FROM THE PRINCIPAL

The institution's main focus on impacting technological education is to equip students with a strong foundation of knowledge, wisdom, experience, and training in academic and to face the highly competitive global industrial market. VCET aims to deliver professional education with a strong emphasis on fostering creativity and innovation. The conducive environment in VCET for knowledge assimilation, generation, and dissemination, along with a strong sense of social responsibility, human values, and commitment to society, has established itself as one of the top technical institutes in this region. I am happy to observe that our faculty members are currently revamping the traditional education strategy by organizing conferences, training programs, and workshops, among other digital initiatives, to ensure sustainable learning and knowledge dissemination. I am also delighted to note that till now 390 of our students got placement in top notch companies like Data Patterns, Daxfo Technology and Xenovex Technologies. Experiential learning and outcome-based education (OBE) are given particular attention. The focus of the academic activities is on assisting the students in developing excellent theoretical knowledge and practical application skills. In order to ensure that students acquire critical thinking abilities, analytical frameworks, entrepreneurial skills, interpersonal and communication skills, VCET continuously reviews our setup in order to update and improve. I am glad with the overwhelming response and fervent involvement of our faculty and students in various associations connected to every department and other extension activities which nurture the students' community.



##### Academic Conclaves in VCET

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

#### DEPARTMENT OF BIOMEDICAL ENGINEERING

##### Programs organized :

On behalf of Kaizen Club, Dr.S.K.Manikandan and N.N.Baalakumar organized various events including Self Introduction, Taboo, Mock Interview, Describe the Word, Debate, Vocabulary Quiz, One to One Conversation, Listening Exercise, Public Speaking, Role Play, Story Creation.

Ms.P.Georgia Chris Selwyna organized a Value Added Course on 'LabVIEW, DAQ, Biomedical Sensors Interface using Graphical System Design' from 05.02.2024 to 09.02.2024.

Mr.R.Sathyanarayan, Senior Embedded Engineer, VI Solutions, Bengaluru was the Chief Guest.

Ms.R.Leelavathi, Mr.R.Saravanakumar organized a field visit for second years on the topic 'Exposure visit to the Incubation Unit' to Maaruthi Medical Centre and Hospital ,Erode on 15.3.2024

##### Association Activities :

Dr.S.Mangai and Ms.S.Maheswari organized an INSA sponsored National Technical Seminar on 'Oxidative Stress Markers and their Impact on the Metabolic Profile in Patients with Polycystic Ovary Syndrome on 31.01.2024. Dr.E.S.Usha, MD., DGO., Fellow in Fetal Medicine, Erode and Dr.Shruthi Rajendran, MS (OG), FRM., DRM, Lotus Hospital, Poondurai Main Road, Kollampalayam, Erode were the speakers of the occasion.

IEEE, EMBS-WIE in association with BIONIKX organized a Workshop on 'IEEE Xplore Digital Library Training Program' on 23.01.2024. Mr.T.S.Nandha Lal, Senior Training Manager, EBSCO Information Services & IEEE was the resource person and the Chief Guest.

On International Women's Day 2024, in association with Women Empowerment Cell and IIC/EDC cell organized a Guest Lecture on 'Health and Wellbeing of Adolescent and Reproductive Women' on 08.03.2024. Dr. Kaytri S, MBBS., M.S (OG), Consultant Obstetrician And Gynecologist & Dr. Anisha Kumarasamy Manickam, MBBS., M.D. (Physician), Chief Medical Officer, Kaligarayan Medical Center and Hospital (Unit of Vilva Hospitals), Erode were the resource persons.

IEEE, EMBS-WIE organized a Workshop on 'Poster and Certificate Designing' on 22.03.2024 and 23.03.2024. Mrs.S.Maheswari, Assistant Professor, Department of Biomedical Engineering, gave a practical training to the students.

IEEE, EMBS-WIE organized a Workshop on 'Online Poster Making Contest' on 23.03.2024. Mr.R.Rajaram, Assistant Professor, Department of Biomedical Engineering, gave a practical training to the students.

IEEE, EMBS-WIE organized a Quiz competition 'Knowledge Knockout' on 29.03.2024. Mrs.S.Maheswari, Assistant Professor, Department of Biomedical Engineering, conducted the quiz.

##### Placement Activities :

- Hemanandhini J got placement in Omega Healthcare Services, Mrudaan Medical Technologies, and Episource.
- Shajna A got placement in Episource, Cotiviti India Pvt. Ltd., Coimbatore.
- Subarna Dhanavanthni S got placement in Omega Healthcare Services and Episource.
- Deepika U got placement in KGiSL Institute of Technology, Coimbatore and Cotiviti.
- Sainhandhini C K got placement in Omega Healthcare Services and Episource.
- Kavya S, Sandhiya S, Sowmiya S, Sowshiga K.R., Sugeetha M.A and Swetha D got placement in Omega Healthcare Services, Bengaluru.

- Bhavadharani B got placement in Mrudaan Medical Technologies, Chennai.
- Supritha S got placement in Episource Pvt. Ltd., Coimbatore.
- Poovarasani I and Praveen P got placement in Appasamy Associates, Chennai.
- Girubhadharan D and Nivetha S B got placement in Emsensing Technologies, Chennai.
- Sabarika B.D. got placement in Endocare Private Limited, Chennai.
- Justin Shyju got placement in Fusion Sante Solutions, Electrotech Corporation and ICU Works.
- Jagan S got placement in Gesco Health Care, Chennai.
- Naveenkumar G got placement in Molbio Diagnostics Private Limited, AMTZ.
- Suvishesh E and Amarnath SA got placement in Nat Steel Equipments, Chennai.
- Arputha S S, Subhasri V got placement in Phoenix Medical Systems, Chennai.
- Prachitha S got placement in Nice Neotech Medical Systems Pvt. Ltd, Chennai.
- Shibichandru S.K got placement in S & T Engineers Private Limited, Coimbatore.
- Praveen K and Kavin Kumar T got placement in S3 Medical Systems, Hyderabad.
- Mercy I got placement in Scan Care and Udhayam Medicare Systems, Coimbatore.
- Dharshini G got placement in Senthil Multispecialty Medical Center, Erode.
- Yaswanth S and Laksman Pranav S got placement in Suntec Medical Systems, Vijayawada.
- Shobika T and Thamarai Selvan K got placement in vTitan, Chennai.

#### Students Activities:

- 47 students attended Value Added course on 'LabVIEW, DAQ, Biomedical Sensors Interface using Graphical System Design' in association with VI Solutions, Bengaluru from 05.02.2024 to 09.02.2024.
- Aisvarya R, Aruna R and Bhavadharani B presented a paper in the 8th International Conference on Engineering Technology and Science (ICETS 24) at Muthayammal College of Engineering, Rasipuram on the topic 'Low Cost Skin Sensory Hearing Assisted Device for Profoundly Deaf Individual' on 20.03.2024.
- Arputha S S, Nandhini S, Nandhini S presented a paper in the International Conference on Innovations in Life Sciences (ICILS'24) on 'Biosynthesis of Silver Nanoparticles from Regional Groundnut Plant Roots and Its Biomedical Applications' at SRM Institute of Science and Technology, Chengalpattu.
- Ram Chandar S K, Santhi J, Sowshiga K R and Yashini K presented a paper in the International Conference on Innovations in Life Sciences (ICILS'24) on 'Biogenic Synthesis of Pectin Based Nano Microencapsulation and Study of its Anti-microbial, Anti-cancer Activity' at SRM Institute of Science and Technology, Chengalpattu.
- Dhivyabharathi S, presented a paper in the International Conference on Recent Trends in Computing and Communication Engineering (ICRTCCE-2024) on 'Computer Aided Diagnosis of Glaucoma Detection Using Fundus Images', organised by the Department of Wireless Communication, SIMATS school of Engineering, Chennai on 23.03.2024.
- Aruna R and Sowmya S underwent internship training at Infinity Biomedicals, Coimbatore from 02.01.2024 to 31.01.2024.
- Priya Dharshini K underwent hospital training at Care 24 Medical Centre and Hospital, Erode from 02.01.2024 to 30.03.2024.
- Gokul R underwent internship training at Ultraserve Systems, Chennai from 06.03.2024 to 22.03.2024.

## DEPARTMENT OF CIVIL ENGINEERING



#### Association Activities:

A guest lecture on the topic 'Strong, Durable, Sustainable and Greener Concrete Construction' was conducted on 29.02.2024. Mr.S.Seenivasan, Deputy Manager (Techno-Sales and Marketing), M/s JSW Cement Limited, Coimbatore was the Chief Guest and shared about the role of sustainable materials in architecture, building and construction sector.

The Civil Engineering association RACE organized an intra-departmental function on 22.03.2024. Various events such as Paper presentation, CADD contest and Technical quiz were conducted and 112 students were benefitted.

Alumni meet was conducted on 18.02.2024. 42 alumni from various Civil Engineering batches reunited and remembered their colorful memories of their college days and also shared their working experience among the students.

#### Students Activities :

Vidhya Bharathi S (20CER030), a final-year student had successfully qualified and ranked 14,343 out of 85,869 appeared candidates in the GATE-2024 examination conducted by IISc Bangalore.

Yuvaraj S and Vishnumoorthy P of third year Civil Engineering presented their project in the PALS innoWAH! 2023-24 Pre-Finals an event conducted by PALS, at KSR College of Engineering, Tiruchengode on 02.03.2024 and also in the PALS innoWAH! 2023-24 Finals at IIT Madras on 23.03.2024 and won the first prize.

A technical visit was arranged for second year students to the proposed construction of Physiotherapy building at Velalar CBSE Campus, Thindal, Erode on 02.03.2024.

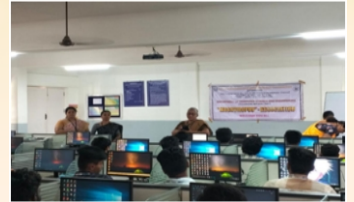
#### Students Participation :

- Sentamil Selvan S, Vimalnath M G, Vishnumoorthy P and Gokulkannan N participated in the National Level Cube contest conducted at PSG College of Technology, Coimbatore on 31.01.2024.
- Dhanushiya N, Mythili L, Sharanya A S, Keerthana V, Sathyashree G and Vaishnavi M presented their technical paper and also participated in technical quiz in the symposium at KSR Educational Institutions, Tiruchengode on 16.02.2024.
- Shafrin A, Apsha Sajna K, Monica S, Vaishnavi S, Lekha M S and Sruthika S presented a paper in the symposium conducted at Sri Krishna College Of Engineering And Technology, Coimbatore on 27.02.2024.
- Dhakshinya A, Nandhini S S, Boobalan D, Jeevanantham G, Sajith D, Tamilselvan G, Kirthik Roshan A and Sudhakaran S participated in the Workshop on 'Total Station' organized by Sri Krishna College of Engineering and Technology on 28.02.2024.
- Sathyashree G presented a paper and also participated in technical events conducted by Kongu Engineering College, Perundurai on 16.03.2024.

# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## Association Activities:

- The Association of CSE 'MAGNUMOPUS' organized a 'Poster Design Contest' on 11.03.2024.
- The Association also organized hands on training on 'Full Stack Development' on 18.03.2024 & 19.03.2024.
- 'MAGNUMOPUS' conducted an intra-department meet on 03.04.2024.
- Mrs Vidhya R, Mrs Vishalakshi R, Dr Gokulraj S and Dr Russia S conducted mock interview as part of intra-department meet.
- The technical quiz 'Techie Tangram' which emphasized on the concepts in programming languages, networks, and data structures helped to prepare third year students for their placements. The event was held on 29.01.2024, conducted by Lamin Muhammed M (Tech Champ).
- The technical event 'Ice Breaking 2k24' and 'LinkedIn Optimization' primarily centered around domain-specific tests to gauge participants' level of knowledge in their respective fields. Additionally, LinkedIn optimization sessions were provided to enhance their personal growth and augment their resumes. The event was held on 11.03.2024. The event was conducted by Kaarthika M (Pymentor).
- An online technical event 'Tech Talk Thursday' mainly conducted to know the recent emerging computer technology such as Email automation, Block chain Technology, Telebot automation, Cloud and devops, etc. The event was honored by the Core Team Members on every Thursday.



## Placement Activities:

- Five Students got placement in [24]7.ai.
- Six Students got placement in Tech Mahindra BPO.
- Sowbharanika S got placement in Data Prive Pvt Ltd.
- Priyadarshini K & Vikram Bharathi E V got placement in Xenovex Technologies Pvt Ltd.
- Vighnesh Raaghav G got placement in Rapid Data in the off campus interview held at Erode Sengunthar Engineering College, Thudupathi.
- Sadhana S got placement in Quadruple Entreprise.
- Sudharsan M P got placement in Rigel Soft Technology Pvt Ltd.
- Subash S got placement in Maxval IP Services.
- Vanathi D got placement in Skyraan Technologies.
- Sruthi K I got placement in Daxfo.
- Abitha Lakshmi S got placement in TPF Software through off campus interview held at Nandha Engineering College, Erode.
- Organized an Alumni Interaction Meet with third year students on the topic 'Innovative Product Development Strategies For Startup Process' by Dr.T.Rajasekaran [2004-2008 Batch], Assistant Professor [SI.G], Department of CSE, KPR Institute of Engineering and Technology, Coimbatore

## Students Activities:

- 20 Students of second year students have completed their internships at various companies.

# DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

## Programs organized:

Grant received on 28.12.23 from CSIR for the conduct one day National Level Seminar on 'Vehicle to Grid (V2g) Technology for Sustainable Energy Future' at Velalar college of Engineering and Technology on 08.01.2024.

## Placement Activities:

- 8 students got placement in GK Power Expertise Ltd.
- 1 student got placement in Data Patterns.

## Students Activities:

- Vijayan M, Jayashri V, Janani K and Sukashini T presented a paper titled 'Hybrid Cycle', at Kongu Engineering College, Erode on 09.02.2024.
- Sabarinathan M and Rohith R presented a project titled 'Health Monitoring System by Using Lora and IoT', at Kongu Engineering College, Erode on 09.02.2024.
- Bala Suriyan V, Chitrrarasu J and Athissh Pranav K S attended in-plant training at Electric Loco Shed, Erode from 24.02.2024 to 27.02.2024.
- Jeevitha V, Vedhikapraveena K, Sabarinathan M and Rohith R presented a project titled 'Health Monitoring System by using Lora and IoT', at Bannari Amman Institute of Technology, Satyamangalam on 01.03.2024.
- Prakashraaj V D, Bala Suriyan V, Athissh Pranav K S, Gokul P M and Chitrrarasu J attended a seminar titled 'Introduction to IOT: ESP32', at PSG Institute of Technology and Applied Research, Coimbatore on 16.03.2024.
- Jayashri V and Kalaivani S attended a seminar titled 'Matlab For Engineers', at Sri Ramakrishna College of Engineering and Technology, Coimbatore on 16.03.2024.
- Janani K and Srimathi P presented a paper titled 'Automatic Solar Energy Tracking System' at Karpagam Institute of Technology, Coimbatore on 21.03.2024.
- Third year students attended in-plant training at Sakthi Sugars Limited, Sakthinagar from 20.01.2024 to 24.01.2024.

# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

## Programs organized:

- A seminar on 'Importance of Embedded System' was conducted on 15.03.2024 for second year ECE students.
- A seminar on 'Career opportunities in Embedded System for Automobile Industry' was conducted on 18.03.2024 for third year ECE students.
- Hands on training on 'IOT Open Source Hardware Platform' was conducted on 12.01.2024 for VCET faculty members.
- Paper Presentation session at the intra departmental level was conducted on 10.02.2024 for third year ECE students.
- Technical & Non-Technical events at the intra department level were conducted on 23.03.2024 for third year ECE students.

## Placement Activities:

- 116 students of final year ECE attended campus drive conducted by M/s Mrudaan Medical Technology, Chennai on 04.01.2024 and Deepthi K M, Hariharan D S, Pavithra N got placement in it.

- 116 students of final year ECE attended campus drive conducted by M/s [24]7.ai on 22.01.2024 and 6 students Elakkiya P, Karthika Sriee B, Kirthanana N V, Pavithra N, Surekha S and Tharani S got placement in it.
- 50 students of final year ECE attended campus drive conducted by M/s Mitsuba, Chennai on 31.01.2024 and 24 students Abinaya R, Anubama R, Bavanthi R, Deepika C, Deepika R, Indra P, Kavinila K, Kiruthika V, Kowsalya K K, Lavanya K, Madhusri R, Mirudhulla R, Mowmithra S, Nivetha K, Priyadharshini M, Priyadharshini P, Priyanka T, Sarmila K, Savitha K, Sonraksha M, Soundharya S, Srimathi R, Srinivya T, Surekha S, Swathi P, Swathi S and Varunapriya R got placement in it.
- 83 students of final year ECE attended M/s Suresoft, Pondicherry on campus placement drive 02.02.24 and Prasanth M got placement in the final round.
- 89 students of final year ECE attended M/s LECS on campus drive on 15.02.24.
- 60 students of final ECE attended M/s Zoho off campus drive on 17.02.24 and 2 students shortlisted for the final round.
- 52 students of final ECE attended M/s Macbro on campus drive conducted on 27.02.24 and 8 students Dhanush S, Gokul S, Madhanprasanth S, Mouli C, Moulie S B, Nakkeeran V, Prem Kumar E and Yukesh V got placement in it.
- 60 students of final year ECE attended M/s Data Prive on campus drive on 28.02.24 and 1 student Logesh S.R got placement in it.
- 60 students of final year ECE attended M/s Rapid Data Technology off campus drive on 06.03.2024 and Gowtham R got selected in it.
- 61 students of final year ECE attended M/s Jasmin Infotech off campus drive on 13.03.2024.
- 27 students of final year ECE attended M/s TRF Software off campus drive on 14.03.2024.
- 33 students of final year ECE attended M/s GK Power Expertise on campus drive on 18.03.2024 and Boobalan S, Bothinath P, Dhanaprakash T, Gowtham G, Kishore B, Kumaraguru P, Madhanprasanth S, Manoj K S, Mohamed Rasath S, Mouli C, Nakkeeran V, Nandhasri S, Prem Kumar E, Rohan R B and Srihariharan G got placement in it.
- 63 students of final year ECE attended M/s KIML on campus drive on 21.03.2024 and Dharaninathan N A, Gokulapriya T, Gokulavani A, Harini V S, Mathumitha B, Mirudhulla R, Nakkeeran V, Pravin Kumar M, Preethi G, Sonraksha M, Srimathi R and Tamilarasi M got selected in it.
- 63 students of final year ECE attended M/s VPG Sensors on campus drive on 21.03.2024 and Abinaya R, Boobalan S, Gowtham G, Hariharan S, Hariprasanth M, Kalaivanan J, Kesavinodhini N D, Kowsalya K K, Madhanprasanth S, Maneesha P, Manoj K S, Mohamed Rasath S, Nirmal I, Rohan R B, Sabarishwaran K, Sarmila K, Savitha K, Sharmila M, Sneka S, Srihariharan G, Srinivya T, Sunmathi V R, Thiyagarajan K and Vetrivel E M got placement in it.
- 20 students of final year ECE attended M/s Conserve Solutions on campus drive on 22.03.2024.
- 24 students of final year ECE attended M/s Data Patterns on campus drive on 15.03.2024 and Arun Pravin M N, Dhanush S, Gowtham M and Moulie S B got placement in it.



#### Students Activities:

- 27 students of final year ECE presented papers in the 3rd National Conference on Recent Advances in Communicative Electronics conducted by SRM TRP Engineering College, Tiruchirappalli under different titles on 14.03.2024 & 15.03.2024.
- 59 students of final year ECE presented papers in the 8th International Conference on Engineering Technology and Science (ICETS'24) conducted by Muthayammal College of Engineering, Rasipuram under different titles on 14.03.2024 & 15.03.2024.
- Mirudhula G and Sangeetha D of third year ECE presented a paper titled 'OLED Technology' organized by Bannari Amman Institute of Technology, Sathyamangalam on 15.02.2024.
- Dhanush Adithya P, Hari Prakash R and Ajith S of second year ECE presented a paper titled 'Cloud Computing' and won the third prize organized by Kongu Engineering College, Perundurai on 05.03.2024.
- Kavinila S, Pavithra S P, Karthika R and Ponkavya A of second year ECE presented their papers under different titles organized by Kongu Engineering College, Perundurai on 07.03.2024.
- Gowtham A, Dharani S K, Dinesh K, Harish S, Dhanesh V, Dhanush Adithya P, Suryaprakash K and Nithish M B of second year ECE presented their papers under different titles organized by Coimbatore Institute of Technology, Coimbatore on 08.03.2024.
- Sashini A, Sowmithra Devi V K, Varsha D, Vaishnavi A, Sowmya G and Sasirekha N of second year ECE presented their papers under different titles organized by Government College of Engineering, Erode on 12.03.2024.
- Sheeba Mercy D, Varsha J, Sowndhariya K D, Sanjani K, Nithyashree H, Pavithra S and Madhimalar A of second year ECE presented their papers under different titles organized by PSG Institute of Technology, Coimbatore on 15.03.2024.
- Ragul V, Sanjay V, Subhika S, Shanmugapriya A, Ashwin G, Prabhakaran, Boomika P, Charumathi C, Deva Pervin Metha of second and third year ECE presented their papers under different titles organized by PSG Institute of Technology, Coimbatore on 15.03.2024.
- Amrutha A of third year ECE presented a paper titled 'DNS' and won the third prize organized by Karpagam Institute of Technology, Coimbatore on 21.03.2024 & 22.03.2024.
- Sashini A, Varsha D and Vaishnavi A of second year ECE presented their project on 'Agribot' and awarded the 1st prize organized by Government College of Engineering, Erode on 12.03.2024.
- Narendhiran G and Mukesh P of third year ECE presented their project on 'Smart Helmet using IOT' and secured the 2nd prize organized by Kongu Engineering College, Perundurai on 16.03.2024.
- Maithili Shri B, Malar S and Mowlika V of third year ECE presented their project on 'Smart ID Card Working for Women Safety' and awarded with the 1st prize organized by KPR Institute of Engineering and Technology, Coimbatore on 27.03.2024 & 28.03.2024.
- Karthikeyan K, Meghanath S and Mohammed Anaz A of third year ECE presented their project on 'Underground Cable Fault Detector' and awarded with the 2nd prize organized by Hindusthan College of Engineering and Technology, Coimbatore on 27.03.2024.
- Tharun Pranav K S, Thirumurugan B, Vigneashwaran R, Rohan M and Sathishkumar J K of third year ECE presented their idea in Socio-Tech Hackathon – 2024 under the title of 'Ambulance Alerting Traffic System' organized by KPR College of Arts Science and Research, Coimbatore on 29.01.2024 & 30.01.2024.
- Rahul M, Sanjay M, Thirukailash S, Sowmiya S and Ushamalini B of third year ECE presented their idea in Socio-Tech Hackathon - 2024 under the title of 'Strategy for Electrical Vehicle Charging Infrastructure' organized by KPR College of Arts Science and Research, Coimbatore on 29.01.2024 & 30.01.2024.
- Sinduja K, Sunmathi V R, Vigneashwaran R of final year ECE presented their idea in HackHERthon'24 under the title of 'Bio-Ethanol Production From Waste' and awarded with the 2nd prize organized by AIC RAISE, Coimbatore on 08.03.2024.
- Kathirvel E and Karthikeyan G of third year ECE presented their idea in Idea Hackathon under the title 'Start Up' organized by Study World College of Engineering, Coimbatore on 12.03.2024.

# DEPARTMENT OF MECHANICAL ENGINEERING

## Association Activities:

A one-day hands on workshop on 'Manufacturing Technology-GD&T' was organized on 10.01.2024. Mr.S.Senniappan B.E., CEO-Mech Tech Engg Centre, Coimbatore was the resource person. He explained the importance of geometric dimensioning and tolerancing to the third year students.

The Association conducted a workshop on 'Electrical Vehicle Design' on 31.01.2024, for the third year students. Mr. P. Gokulraj, Senior Design Engineer at SAN Engineering Solutions, Perundurai provided training on CREO software to the students. The students enthusiastically participated and gained insights into CAD basics, emerging trends in EV Design, and the significance of EVs in the future.

It conducted a workshop on 'Design Thinking' for the second year students on 19.03.2024. Mr.Emmanuel Robin, Founder of Svasti Vector Solutions Pvt Ltd in Tiruchy, provided specialized training on generating creative design ideas. He led engaging team-based design thinking exercises with the aid of various tools. The students actively participated, showcasing their innovative ideas during presentations. At the end, Mr. Robin recognized the best-performing team for their outstanding work.

The Association conducted a workshop for the second year Mechanical Engineering students on 'CAD Software' on 22.03.2024. Er. M. Harry Andrews, a CAD Engineer at C-Cube Technologies, Erode, provided training. A demonstration of CAD software, emphasizing its pivotal role and significance in industrial design processes was also shown to the benefit of students.

An intra-departmental paper presentation event was held on 23.04.2024. Both second and third year students enthusiastically participated in it and also presented their innovative ideas and projects.

A National Level Technical Symposium took place on 05.04.2024, featuring a range of technical events. Mr. Vasanth Nagarajan, Co-Founder & CTO of Pinesphere Solutions Pvt Ltd, Coimbatore, graced the occasion as the Chief Guest. Students from diverse institutions engaged in activities such as Paper Presentation, Technical Quiz, Connexions, CAD Modelling, showcasing their talents and honing their skills in their respective domains.

## Placement Activities:

- 38 final year students of batch 2020-24 attended campus recruitment drive conducted by Leewon Precision, Chennai and 32 students got placement in it.
- 3 final year students of batch 2020-2024 attended campus recruitment drive conducted by VPG Sensors and 3 students got placement in it.
- 49 final year students of batch 2020-2024 attended campus drive conducted by Delphi - TVS and 48 students got placement in it.
- 20 final year students of batch 2020-2024 attended campus drive conducted by URC Constructions and 6 students got placement in it.
- 32 final year students of batch 2020-2024 attended campus drive conducted by Focus Edumatics and 5 students got placement in it.
- 15 final year students of batch 2020-2024 attended campus recruitment drive conducted by Infosys and 3 students got placement in it.

## Students Activities:

- Final year students Arnesh S, Pranesh Kumar A, Navin P and 4 others attended 'Electric Two-Wheeler Design Competition' conducted by SAEISS and secured the Best Maneuverability Award (3rd prize) at Rajalakshmi Engineering College, Chennai on 17.02.2024 and 18.02.2024.
- Third year students Jaya Shree S and Shri Harshan M presented a paper titled 'Prominence of AIOT in Manufacturing' at Karpagam Academy of Higher Education on 09.02.2024.
- Third year student Mohan Prasath M has participated in the event CAD Modelling and won the 1st prize in TECHNOVANZA 2K24 conducted by Shree Venkateshwara Hi-Tech Engineering College, Erode on 22.03.2024.
- Third year students Santhosh S, Santhosh K, Navin Ram C.S and 4 others attended 'Bicycle Design Challenge' conducted by SAEISS at Knowledge Institute of Technology, Salem, on 24.02.2024 and 25.02.2024.
- Second year students Deepan P, Karthikeyan N, Arthi Sri S and Ajaykumar M attended a project presentation titled, 'Smart Vehicle' at Nandha Engineering College on 4.04.2024.
- 50 students attended Quiz, workshops and other technical competitions conducted by various institutions.



# DEPARTMENT OF MEDICAL ELECTRONICS

## Programs organized:

'Building the Future: Emerging Trends in Biomedical Engineering Careers', a webinar was organized on 24.01.2024. Mr.Jills Daniel, Director-Academics, Quadlync AIBC Pvt. Ltd. Cochin, Kerala gave a comprehensive exploration of the emerging trends in Biomedical Engineering career.

'Entrepreneurship Challenges and Opportunities', a seminar for MDE students was conducted on 27.02.2024. Dr.T.Vetrivel, Proressor and Head, Department of MBA, VCET, Erode shared his expertise during the event, discussing the various obstacles and prospects that entrepreneurs encounter.

Women's Day was celebrated on 08.03.2024, from 8:30 am to 10:30 am. As part of the celebration, distribution of pamphlets was aimed to reach out to 1500 individuals, spreading the message of equality and empowerment.

## Students Activities:

Akshara M, Bharanika S and Mohan Prakash Y of third year attended a workshop on 'T2P- Biomass to Value Added Products', a sustainable approach program at IIT, Madras on 01.02.2024.

Bharanika S of third year participated in project presentation at Karpagam Academy of Higher education, on 09.02.2024.

Mohan Prakash Y of third year participated in project presentation at KSR College of Engineering on 15.02.2024.

Bharanika S of third year participated in project presentation at Kongu Engineering College -TBI, on 17.02.2024.

Akshara M and Bharanika S of third year participated and won the second prize in paper presentation at Vivekananda College of Engineering on 29.02.2024.

Akshara M of third year presented a paper at Dr. N. G. P Institute of Technology, Coimbatore on 04.03.2024.

Bharanika S and Tharun V of third year participated in project presentation at Amrita Vishwa Vidyapeetham, Chennai and won the first place with 1 Lakh cash prize, on 06.03.2024 – 07.03.2024.

Dharani P, Praveena S, Saranya M and Shalini S of third year participated in PALS InnoWAH and won the first prize at IIT Madras on 27.03.2024.

Bhuvana D, Pavithra A. L, Sasireka S, Sridevi V and Varsha S. S of second year presented paper at Coimbatore Institute of Technology, Coimbatore on 22.03.2024.

Asmitha Fathima M of second year MDE attended a workshop on 'Rudiments of Biomedical Equipment' at Nandha Engineering College, Erode on 26.03.2024.



# DEPARTMENT OF INFORMATION TECHNOLOGY

## Association Activities:

- A seminar titled 'Blockchain Technology-The Future' was conducted on 20.01.2024 for the benefit of all students.
- A session 'Image Processing using Yolo Algorithm' was conducted on 20.01.2024 for the benefit of second year students.
- A workshop titled 'Power BI – Bring Your Data to Life' was conducted on 03.02.2024 for the benefit of third year students.
- A competition 'Think Outside the Box-Exploring the Ideas' was conducted on 03.02.2024 for the benefit of second year students.
- A talent test 'Up Skill Your Skills' was conducted on 10.02.2024 for the benefit of third year students.
- A competition 'The Puzzle Whizzes - A Puzzle Solving Competition' was conducted on 02.03.2024 for the benefit of second year students.
- A seminar 'Navigating Challenges in College and Beyond' was conducted on 02.03.2024 for the benefit of second year students.
- A guest lecture 'Let the Job find you' was conducted on 09.03.2024 for the benefit of second year students.
- A session 'Cloud Computing Excellence: Unleashing the Power of AWS' was conducted on 09.03.2024 for the benefit of all students.
- A session 'Journey of CTF' was conducted on 09.03.2024 for the benefit of second year students.
- A session 'Beyond Expectations: Crafting Futures Together' was conducted on 23.03.2024 for the benefit of all students.
- A session 'Journey with Oracle' was conducted on 23.03.2024 for the benefit of second year students.



## Placement Activities:

- 16 students of final year IT got placement offer in TECHM BPO.
- 1 student of final year IT got placement offer in TPF.
- 1 student of final year IT got placement offer in InternSup.

## Students Activities:

- 4 students of third year IT attended a workshop on 'Unlock AI Potential: Get Hands on with INTEL' conducted by Sona College of Technology on 08.02.2024.
- 4 students of third year IT attended a workshop on 'Machine Learning' conducted by Coimbatore Institute of Technology on 01.03.2024.
- 1 student of second year IT attended a workshop on 'UI/UX workshop' conducted by Kongu Engineering College on 08.03.2024.
- 1 student of second year IT attended a workshop on 'Ethical Hacking' conducted by Kongu Engineering College on 15.03.2024.
- 3 students of second year IT attended a workshop on 'Drone Technology' conducted by Kongu Engineering College on 16.03.2024.
- 1 student of second year IT attended a workshop on 'Smart 5G Antenna' conducted by Kongu Engineering College on 16.03.2024.
- 1 student of second year IT attended a workshop on 'AIML - Diving into Deep' conducted by PSG College of Technology on 16.03.2024.
- 1 student of second year IT attended a workshop on 'Full Stack' conducted by PSG College of Technology on 16.03.2024.
- 2 student of second year IT attended a workshop on 'Realtime IoT Project with Raspberry Pi4' conducted by Kongu Engineering College on 23.03.2024.
- 2 students of third year IT attended a seminar on 'Industrial Applications of Generative AI' conducted by Excel Engineering College on 08.02.2024.
- 1 student of second year IT participated in a quiz 'CYNOSURE'24' conducted by Kongu Engineering College on 24.01.2024.
- 2 student of second year IT presented a paper on 'Internet of Things-CYNOSURE'24' conducted by Kongu Engineering College on 24.01.2024.
- 1 student of third year IT presented a paper on 'Artificial Intelligence' conducted by KSR Educational Institutions on 16.02.2024.
- 1 student of second year IT presented a paper on 'Data Analytics Application' conducted by Hindustan Institute of Technology on 26.03.2024.
- 5 students of third year IT presented a project on 'Socio-Tech Hackathon-2024' conducted by KPR College of Arts Science and Research on 29.01.2024 & 30.01.2024.
- 4 students of third year IT presented a project on 'Ethical Hacking- PeCan + Capture the Flag' conducted by IIT Madras Research Park on 05.03.2024 & 06.03.2024.
- 1 student of third year IT completed and certified in the course 'Front End Development-HTML' conducted by Great Learning on February 2024.
- 6 students of third year IT participated in 'Code Contest- Web Wizardz' conducted by Bannari Amman Institute of Technology on 15.02.2024.
- 3 students of third year IT participated in 'Web Designing - Technova - 2K24' conducted by Knowledge Institute of Technology on 26.02.2024.
- 1 student of second year IT participated in 'Web Designing' conducted by Sri Shakthi Institute of Engineering and Technology on 23.03.2024.
- 1 student of third year IT participated in 'District Level Bootcamp-Volunteer' conducted by EDII, Government of TN, Erode on 06.02.2024 & 07.02.2024.
- 1 student of third year IT participated in 'Photography - A National Level Techno Cultural Fest' conducted by KSR Educational Institutions on 16.02.2024.
- 3 students of third year IT participated in 'Photography - Technova -2K24' conducted by Knowledge Institute of Technology on 26.02.2024.

# DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

## Association Activities:

- The Association of the Department of Artificial Intelligence & Data Science ASPYRA organized an event 'External Evaluation – Scrutinizing Students Team for Hackathon Competition' on 13.02.2024. Mr.K.Manoj Kumar, Expert Mentor, Boston Institute of Analysis, Coimbatore was the jury of the event. Second year and third year students benefited from this program.
- ASPYRA organized a seminar on 'Design Thinking, Critical Thinking, Innovation Design' on 08.03.2024. Mr.Emmanuel Robin Joseph, Founder of Svasti Vector Solutions, Tiruchirappalli was the chief guest of this function. Second year students benefited from this program.
- The Association organized '20th National Level Students' Technical Symposium' on 05.04.2024, Dr.P.Vishnu Raja, Professor, Department of AI&DS, Builders Engineering College, Nathakadaiyur was the jury of paper presentation event. Second year students and students from various other colleges participated the event.
- 8 students of AIDS participated in the paper presentation event on 03.04.2024 held at Sri Krishna Arts and Science College, Coimbatore.
- 2 students of AIDS Ms.P.Nithya Sri and Ms.A.Sutheshna participated in the paper presentation event held at Kongu Engineering College, Perundurai on 03.05.2024 and won the second place.
- Our student Ms.S.Priya won the first prize in paper presentation under the title 'Issues in AI' held at Kongu Engineering College, Perundurai on 15.03.2024.



## DEPARTMENT OF MANAGEMENT STUDIES

### Association Activities:

A seminar on the topic 'Self Growth and Development' was organized on 10.01.2024. Shri.G.Jawahar, I.P.S, Superintendent of Police (SP), Erode District, Tamilnadu was the resource person.

A seminar on the topic 'Navigating the Startup Journey for Entrepreneurs and Enablers' was organized on 14.02.2024. Mr. Nithin Alexander, Founder and CEO, Xander Media, Chennai was the resource person.

A mentoring event on the topic 'The Role of Expert Guidance in the Success of Startups' was organized on 16.02.2024. Mr.K.Sankaralingam, Proprietor – Greenscart, Founder & CEO Grets Food Manufacturer Pvt. Ltd, EDII Trainer Mentor & Jury Business Development Guide was the resource person.

Intra department meet was organized on 29.02.2024. Business Quiz, Business Plan, Ad-Zap, Best Manager and Talent Show were conducted for the benefit of the students.

A workshop on the topic 'GST Registration and Compliance Procedures' was conducted on 08.03.2024. Sri.C.A. J.Ashok, Chartered Accountant & EDP Trainer, Ashok and Associates, Erode was the resource person.

A workshop on the topic 'Tally Prime with GST and its Applications in Indian Business' was conducted on 20.03.2024. Shri.Mahesh David Kumar. N, Technical Head & Tutor C Cube Technologies, Erode was the resource person.

A workshop on the topic 'From Vision to Venture: An Entrepreneurship Workshop' was conducted on 22.03.2024. Mr. Gowtham Krishnamoorthy, Founder & CEO, Nutz Technovation Pvt. Ltd, Organic Growth Consultant, Trainer, Brand Strategist, President, South Erode Circle – Startup TN was the resource person.

### Placement Activities:

- 18 students got placement in Karur Vysya Bank.
- 01 student got placement in Pallava Group of Companies.
- 04 students got placement in Reliance Retail Pvt Ltd.

### Students Activities:

6 students participated in the National Level Technical Symposium – 'TECHNOVANZA 2K24' held at Shree Venkateshwara Hi – Tech Engineering College, Gobi on 22.03.2024.

6 students participated in the management event on 'DHRUVA 2024' held by Karapagam College of Engineering, Coimbatore on 15.03.2024 & 16.03.2024.

2 students participated in the International Level Technical Symposium on 'Recent Trends in Management Science' held at Vellalar College for Women on 21.02.2024.

7 students participated in the National Level Intercollegiate Meet on 'HITROUPE 24' at Hindusthan Institute of Technology, Coimbatore on 14.03.2024.

Ms. K. V Mahamithra published a chapter entitled 'Social Media Marketing and its Impacts' in the book 'Digitalization in the Marketing and International Trade' by Beyond Line Publisher, Bangalore during January 2024, ISBN: 978-93-95659-60-4, Pg No: 124 to 132.

Ms. N. Nikitha, & Ms. D. Sree Janani published a chapter entitled 'Government Initiative for Digital Agriculture' and Mr. Pranav Kiruthik, & Mr. C.Vishok published a chapter titled 'E-Market for Agricultural Commodities' in the book 'Digitalization of Commodity Trading, Marketing and Agricultural Sector' by Forschung Publications, Chennai during January 2024, ISBN: 978-93-91772-80-2.

An Outbound Training to Turning Point Venture, Coimbatore was organized on 23.02.2024. 49 students of first year MBA participated in the Outbound Training. They learned and got training on a lot of management skills for their professional career.



## DEPARTMENT OF SCIENCE AND HUMANITIES

## DEPARTMENT OF MATHEMATICS

### Programs organized:

Mathematics Colloquium of the Department of Mathematics conducted a 'Math Quiz' competition for the first year B.E/B.Tech students on 25.03.2024. Ms.R.Thilagavathi, AP / Mathematics was the coordinator of the programme. Ms.T.Saranya was the in-charge for conducting the Quiz competition. 68 students from all branches of I B.E./B.Tech. took part in the competition.

Science club 'PHENMACH' conducted paper presentation on a broad spectrum of topics for the first year B.E/B.Tech students on 20.03.2024 and 21.03.2024. 291 first year students delivered their presentations and 37 students received prizes.

### DEPARTMENT OF ENGLISH

#### Programs organized:

The Department of English, VCET organized an International Conference titled 'Modernization in English Language and Literature' in collaboration with Sri Vidya Mandir Arts and Science College, Katteri from 15.03.2024 to 16.03.2024.



## CLUB ACTIVITIES

### English Literary Association

- English Literary Association conducted the event 'English Winglish' for the third year students on 20.01.2024 to enhance the Listening, Speaking, Reading and Writing skills.
- 'ADZAP' was conducted for the third year students on 03.02.2024 to enhance the time management skill, marketing skills and team spirit of students.
- 'LUMINOUS UTOPIA' was conducted for the third year students on 06.02.2024 to encourage the Startup ideas and entrepreneurial skills.
- Core meet of the ELA core members was conducted on 07.03.2024 and 18.03.2024 to review the performance and upcoming activities of the club.

- 'Gravitas-1.0' was conducted for the first year students on 19.03.2024 to improve the LSRW skills.
- 'GRAVITAS – 2.0' was conducted for the first year students on 22.03.2024 to develop their creativity, critical thinking, analytical and problem solving skills.
- ELA conducted an invited talk on 'Professional Skill Development' for the first year students on 28.03.2024. The guest speaker, our alumnus, Mr. Karthik Nanneyampamula shared his valuable insights on soft skills which play a crucial role in the work environment and offered guidance on initiating programming language learning.

#### **Youth Red Cross**

12 VCET Youth Red Cross volunteers conducted drug abuse awareness campaign at the college campus for the students on 05.01.24. This campaign included situations of addiction, impact of addiction of drug among youngsters and abuses of drug.

Erode Forest Department organized women's day celebration at SIPCOT Premises, Perundurai by planting one lakh samplings on 08.03.24 27 VCET Youth Red Cross volunteers participated in the mega plant sampling programme as part of their social activities.

Deworming Camp was conducted on 14.03.2024 for all the UG I, II and III year students. This camp was conducted by the Department of Public Health and Preventive Medicine. 2000 students were benefitted by this camp. Dr. K.R. Valluvan, Controller of Examinations inaugurated this camp in the presence of Dr. M. Eswaramurthi.

#### **JCI Club**

JCI Club conducted the installation of new team for the academic year 2023 - 24 on 3.1.24. In this JFS Ashok R Bhat, Zone President and Jc P. Venkatraman, Zone Director, Jc Anitha, President, JCI Erode Excell, Dr.M.Jayaraman, Principal, Dr.M.Eswaramurthi, HoD/S&H, Mr.R.Balasubramanian, JCI Faculty Coordinator also participated in this event.

JCI Club Organized a special motivational lecture on 'Sculpt Yourself' an educational awareness for the first year students on 13.03.2024. In this programme Dr.M. Jayaraman, Principal, Dr. M.Eswaramurthi, HOD/S&H, Mr.R.Balasubramanian, AP/Chemistry and JCI Club Coordinator and 105 JCI members participated. JFM.N.Rajarajeswari, M.E., M.B.A., Zone trainer delivered the motivational lecture. Jc. S.P.Prabhakaran, Vice President JCI Excell Erode participated in the programme along with his JCI team.

#### **Green Club**

On March 23, 2024, the Green Club of VCET organized World Forest Day celebration at VCET campus. The event aimed to raise awareness about the importance of forests and their conservation. As part of the celebration, poster making competition was held for students, encouraging them to creatively express their thoughts and ideas about forest conservation. The event was a huge success, with enthusiastic participation from students and a great display of creativity and talent.

On March 23, 2024, the Green Club of VCET organized World Water Day celebration to raise awareness about the significance of water conservation. The event, held in the Seminar Hall, featured an awareness program that highlighted the importance of water in our lives, the challenges of water scarcity, and the need for sustainable water management practices. Through engaging discussion, the event aimed to educate and inspire students and staff to take action in protecting this vital resource for future generations.

On March 25, 2024, Green Club organized a community service event at Bannari Amman Temple, where volunteers participated in the traditional Hundail bundling activity. The Green Club volunteers worked diligently to help the temple authorities complete the process, demonstrating their commitment to preserve cultural heritage and community service.

On April 12, 2024, Green Club launched an initiative to ban plastic use on the VCET campus, aiming to raise awareness among the students about the harmful effects of plastic pollution. The event focused on promoting sustainable practices, encouraging students to adopt eco-friendly alternatives, and inspiring a plastic-free lifestyle. Through interactive activities, awareness campaigns, and advocacy, the Green Club inspired students to take small steps towards a significant impact on the environment, fostering a culture of sustainability and environmental stewardship.

#### **Electoral Literacy Club**

Electoral Literacy Club has been implementing various activities about electoral process among public for their participation in the electoral registration and voting. As part of that, singing competition was conducted for creating voter awareness on 04.01.2024.

#### **Entrepreneurship Development Cell**

EDC organized a workshop titled 'Banking Awareness for Future Entrepreneurs' on 10.04.2024. Mr.J.Parameswaran, Divisional Manager, Canara Bank, Erode was the resource person.

Organized a workshop titled 'From Vision to Venture: An Entrepreneurship Workshop' on 22.03.2024. Mr.Gowtham Krishnamoorthy, Founder & CEO, Nutz Technovation Pvt Ltd, Organic Growth Consultant, Trainer, Brand Strategist, President-South Erode circle-Startup TN, was the resource person.

Organized a seminar titled 'Innovative Ideas in Cyber Security System' on 28.02.2024 Mr.P.Anand, Regional Manager (pre-sales), Zoho Corp Pvt Ltd., Chennai was the resource person.





National Science Day was celebrated on 28.02.2024. Mr.Arunraaj Manickaraj, Associate Vice President, AIC Raise, Coimbatore was the chief guest.

Organized a workshop titled 'Entrepreneurship Challenges and Opportunities' on 27.02.2024. Dr.T.Vetrivel, Professor & Head / MBA, addressed the audience.

Organised an investor talk titled 'Bridging Vision with Investments - A Journey Through Startup Innovation' on 22.02.2024. Mr.P.Jayaprakash, Sri Jayam (Group of Companies), Erode was the resource person.

Organized a mentoring event titled 'The Role of Expert Guidance in the Success of Startups' on 16.02.2024. Mr.K.Sankaralingam, Proprietor-Greenscart,, Founder & CEO-Grcts Food Manufacture Pvt. Ltd, EDII Trainer, was the mentor.

Organized a seminar titled 'Navigating the Startup Journey for Entrepreneurs and Enablers' on 14.02.2024 (F.N.). Mr. Nithin Alexander, Founder and CEO, Xander Media, Chennai was the resource person.

Organized a seminar titled 'Innovate to Elevate-Insights into Startup Success' on 14.02.2024 (A.N). Mr. Nithin Alexander, Founder and CEO, Xander Media, Chennai was the resource person.

Organized an expert talk titled 'Entrepreneur Unleashed - A Journey from Ideas to Impact' on 07.02.2024. Mr.S.Logesh Kumar, Administrative Officer, VET Institute of Arts and Science, Thindal, Erode was the resource person.

Organized an entrepreneurship outreach program on 06.02.2024 for school students. Mr.Thimmarayan, PA to CEO (HSS), Erode was the resource person.

Organized a motivational session titled 'Successful Entrepreneur' on 03.02.2024. Dr.C.Sengottuvel, Assistant Professor, PG & Research Development of Commerce, Salem Sowdeswari College (Govt. Aided), Salem was the resource person.

Organized an orientation programme for 'Naan Mudhalvan AU - Niral Thiruvizha (Hackathon)' on 01.02.2024. Ms.P.Sathya, District Coordinator, EDII-TN, Tiruppur was the resource person.



### **Fine Arts Club**

In view of Pongal, Mehendi competition was conducted on 10.01.2024.

Solo dance, Classical & Semi-classical dance competitions were held on 27.03.2024.

Solo singing competition was held on 28.03.2024.



### **Rotaract Club**

In collaboration with the Mannar College, Thiruparankundram and Thirunagar Pakkam, an NGO, the Rotaract volunteers diligently collected and delivered flood relief supplies to Thoothukudi on 04.01.2024. Editor of RID-3203, Rtr. IPP. P. Navin Bharathi, assisted with the distribution.

A motivational session was held on 10.01.2024. Mr. S. Jawahar I.P.S. Superintendent of Police, Erode, headed up the event and inspired the youth.

On 12.01.2024, the women's bike rally 'Siragai Viri', which was dedicated to social consciousness, took place along the scenic Tirupur Road in the buzzing neighbourhood of Uthukulli.

To increase public awareness of sustainable practices and environmental protection, on 20.01.2024, Dr. S. Rajendra Kumar, Assistant Professor in the Department of Environmental Sciences at the Centre for Sustainable Future, Amrita University, gave a thought-provoking online address as part of the 'The Connect - Save Nature' event.

Republic Day was celebrated at Panchayat Union Elementary School, Thindal on 26.01.2024.

The underprivileged in and around Erode GH and PS Park were given food on 31.01.2024, under the direction of Rtr. IPP. P. Navin Bharathi, Editor, RID-3203.

A campaign led by Rtr. P. S. Manoj Kumar was intended to clean and place nails in the areas between Kavandapadi to Bhavani Road on 04.02.2024.

At the ADLUX International Convention Centre in Angamaly, Kerala, on 09.02.2024, a conference named 'Koodi Magizh' offered a forum for cooperation, knowledge sharing, and developing profound relationships among Rotaract clubs within the region.

On 09.02.2024, Panchayat Union Elementary School pupils in Thindal were recognized and awarded for their academic excellence by Dr. N. Thangaraj, the faculty advisor.

District Sports Meet, named 'Umpire' was conducted at Tirupur on 18.02.2024.

A cooperative loan mela was organized on 28.02.2024 to introduce cooperative loans to first year students.

In collaboration with Aravind Eye Hospital, Coimbatore, the club successfully organized the 7th Mega Eye Camp and Pulse Polio campaign at Mottayappar Aided Middle School in Vallipurathampalayam on 03.03.2024.

A proactive leprosy awareness event was arranged by the club in cooperation with Mr. Saravanan, Chennimalai Zone supervisor of the leprosy department.

As part of Women's Day celebration, rangoli competition was held on 08.03.2024, with the theme 'Ulaga Magalir 2024'.

The highly anticipated District Conference of District 3203, called EXCLAMATORY, was organized by the Rotaract Club of VCET. It was conducted for the promotion of harmony, creativity, and fruitful partnerships among Rotaract clubs in District 3203.

On 31.03.2024, tree planting event took place in and around the college premises.



# Faculty Achievements

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

## DEPARTMENT OF BIOMEDICAL ENGINEERING

Seventeen programmes were attended by faculty members in the Department of Biomedical Engineering.

Mr.K.Rajaram and Mr.N.N.Baalakumar attended a conference on 'Delegate' at Indian Association of Gastrointestinal Endosurgeons from 01.02.2024 to 04.02.2024.

Ms.R.Indhumathi presented a paper in the 8th International Conference on Engineering, Technology and Science (ICETS 24) at Muthayammal College of Engineering, Rasipuram on the topic 'Low Cost Skin Sensory Hearing Assisted Device for Profoundly Deaf Individual' on 20.03.2024.

Ms.P.Georgia Chris Selwyna presented a paper in an International Conference on Innovations in Life Sciences (ICILS'24) on 'Biosynthesis of Silver Nanoparticles from Regional Groundnut Plant Roots and Its Biomedical Applications' & 'Biogenic Synthesis of Pectin Based Nano Microencapsulation and Study of its Anti-microbial, Anti-cancer Activity' at SRM Institute of Science and Technology, Chengalpattu.

Dr.M.Ponni Bala, Dr.S.Mangai, Dr.J.Rajalakshmi, Ms.S.Maheswari attended the Second International Conference on Innovations in Robotics, Intelligent Automation and Control (ICIRIAC 2024) on the topic 'IoT-based Intelligent Crop Protection and Surveillance System from Climatic Changes and Wild Animals' at Sri Krishna College of Engineering and Technology.

Dr.S.Mangai, Dr.M.Ponni Bala, Dr.J.Rajalakshmi, Ms.S.Maheswari presented a paper on the topic 'Innovations in Robotics' at Sri Krishna College of Engineering, Coimbatore on 28.02.2024.

Dr.J.Rajalakshmi presented a paper in the International Conference on Newer Engineering Concepts and Technology on the topic 'Detection and Classification of Oral Potentially Malignant Disorders and Oral Health Monitoring' & 'Multifaceted Analysis of Mental and Physical Stress Through Data Transmission in an IoT-Based System' at Ramakrishnan College of Technology, Coimbatore on 28.03.2024.

Dr. M. Ponni Bala presented a paper in the International Conference on Recent Trends in Computing and Communication Engineering on 'Computer Aided Diagnosis of Glaucoma Detection using Fundus Images' at SIMATS school of Engineering, Chennai on 23.03.2024.

Dr.S.Sudha gave a talk in the SERB sponsored seminar on the topic 'AI in Precision Agriculture' and 'Deep Learning in Precision Agriculture' at Sri Krishna College of Technology 22.02.2024 and 07.03.2024.

Dr.S.Mangai and Mr.K.Rajaram acted as Technical Committee Members, and Ms.S.Maheswari as reviewer for the 2nd International Conference on 'Artificial Intelligence and Machine Learning Applications' at K.S.Rangasamy College of Technology from 15.03.2024 to 16.03.2024.

Dr.S.K.Manikandan presented a paper on the topic 'A Node MCU Enabled Comprehensive Remote Healthcare Evaluation System for Elder People Care and Support' in the International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICES) by IEEE, DOI: 10.1109/ICES60034.2023.10465569, March 2024.

## DEPARTMENT OF CIVIL ENGINEERING

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

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Eleven programmes were attended by faculty members in the Department of Computer Science and Engineering.

- The following faculty members presented their papers in the International Conference on 'Research Trends in AI and IoT for Infrastructure and Industry' (AIIII 2024), held from 06.03.2024 to 08.03.2024, organized by Centre for Research Anna University, Chennai:
  - Dr. S. Jabeen Begum and R. Vishalakshi, 'High Utility Data Pruning In E-Commerce Applications Using Datamining', ISBN: 978-93-91930-97-4.
  - Dr. V. LathaJothi, 'Enhanced Security with Efficient Sensitive Data Hiding for Cloud Storage', ISBN: 978-93-91930-97-4 and won the Best Paper award.
  - Dr. S. Russia, 'Internet of Things (IOT) Based Smart Environmental Monitoring for Grey Oyster Mushroom Cultivation', ISBN: 978-93-91930-97-4.
  - Dr. S. Gokulraj, 'Identification of Bird Species using Acoustic Features and Convolutional Neural Network', ISBN: 978-93-91930-97-4.
- The following faculty members presented their papers in the Fourth International Conference on 'Artificial Intelligence and Smart Computing 2024' (ICAISC'24) held from 14.03.2024 to 16.03.2024 at Bannari Amman Institute of Technology, Sathyamangalam, Tamil Nadu:
  - Dr.S.Jabeen Begum, 'Enhanced Performance Sales of E-Commerce Applications using Data Mining'.
  - Dr.V.Latha Jothi, 'Enhanced Data Integrity with Cloud Storage'.
  - Dr. S. Russia, 'Intelligent System for Monitoring and Controlling of Grey Oyster Mushroom Cultivation using IoT'.
  - Dr. S. Gokulraj, 'Image and Audio Identification of Bird Species using Spectral features and Convolutional Neural Network'.
  - Ms. Vidhya R, 'Enhanced Performance Sales of E-commerce Applications using Data Mining'.
- Dr.S.Russia presented a paper entitled 'Sustainable Precision Farming Using Machine Learning Algorithms' at the 2nd International Conference on Innovative Trends in Engineering and Sciences (ICITES'24) held on 26.03.2024 and 27.03.2024, organized by Bannari Amman Institute of Technology, Sathyamangalam.
- Ms.I.Nivetha presented a paper entitled 'Seeing Beyond Sight: Assistive Vision Devices Enhanced by Semantic Segmentation' at the National conference on Recent trends in Artificial Intelligence and Soft computing held on 24.01.2024, organized by Bannari Amman Institute of Technology.
- The following faculty members presented their papers in the 8th international conference on Engineering Technology and Science (ICETS'24) held on 20.03.2024, organized by Muthayammal College of Engineering, Rasipuram:

- o Dr. S. Russia, 'House Price Prediction using Deep Learning'.
- o Ms.S.Devisri, 'Diabetic Retinopathy Detection using Deep Learning'.
- o Ms.I.Nivetha, 'Hybrid Artificial and Intelligent System for Health Care Application based on Doctors Recommendation and Drug'.
- o Mr.A.P.Gopu, 'Enhancing Healthcare with Classification Modeling of Chronic Kidney Disease'.
- o Mr.P.Mariappan, 'Predictive Modeling for Water Borehole Drilling using Machine Learning'.
- o Mr.P.Mariappan, 'Strategic VM Placement for Enhanced Performance: Real –Time Monitoring and Resource Analysis'.
- o Ms.R.Vishalakshi and Ms.S.Dhivya, 'Multi-Level Attention Networks for Multi-Step Citywide Passenger Demands Prediction'.
- o Ms.S.Dhivya, 'Real Estate Housing Web Application with VR Tech Integration'.
- o Mr.S.Senthilnathan, 'Vlang: A Minimalist Language for Rapid Android Development'.
- o Mr.S.Senthilnathan, 'An Intelligent Fusion of Vehicle Detection and Counting for Real – Time Surveillance'.
- o Ms.R.Vishalakshi, 'An Enhanced Machine Learning Framework for Fake News Identification'.
- o Dr.V.Kavitha, 'Secure Social Media With Image and Text Moderation'.
- Ms.R.Vishalakshi presented a paper entitled 'An Automated Skin Cancer Lesion Diagnosis System Using Efficient Deep Learning' at Kamaraj International Conference on Recent Trends in Science, Engineering and Technology' (KIRSET'24) held on 16th April 2024 (ISBN: 978-81-972203-5-7), organized by Kamaraj College of Engineering and Technology , Virudhunagar.
- MsVidhya R presented a paper entitled 'Identification of Bird Species using LSTM with MFSS across a Framework' at the 10th National Conference on Emerging Trends in Engineering and Technology held on 6th April 2024, organized by Nandha College of Technology.
- Ms.M.Thilagarani presented a paper entitled 'Glaugame Detection from Retinal Fundus Images using Transfer Learning with pre trained CNN Model' and Ms.D.Yamunathangam on 'Crime Prediction and Forecasting using MLP & K-Means Clustering Algorithms' at the International Conference on Innovation in Computing and Technology held on 27.03.2024 at Velammal Institute of Technology, Chennai.
- Ms.V.Raagavarsini presented a paper entitled 'Blockchain Powered - Transparency in Organ Donation and Transplantation' at the 4th International Conference on Artificial Intelligence, 5G Communications and Network Technologies (ICA5NT 2024) held from 21.03.2024 to 22.03.2024, organized by Velammal Institute of Technology, Chennai.
- Dr.V.Kavitha presented a paper entitled 'Educational Empowerment: Guided Paths To Excellence' at the International Conference on Innovation in Computing and Technology held from 21.03.2024 to 22.03.2024, organized by Velammal Institute of Technology, Chennai.
- Dr.V.Kavitha presented a paper entitled 'Spider Monkey Optimization Algorithm for Sentimental Evaluation of Amazon Reviews' at IEEE Conference on ICCCI held from 29.01.2024 to 31.01.2024, organized by Sri Sakthi Institute of Engineering Technology, Coimbatore.
- Dr.V.LathaJothi acted as the reviewer for International Conference on Distributed Computing and Optimization Techniques (ICDCOT - 2024) organized by SJB Institute of Technology, Bengaluru on 15.03.24 and 16.03.24.
- Dr.S.Russia acted as a resource person in the DST-SERB sponsored 2nd National Level Technical Symposium on 'Innovations in Intelligent Systems and Soft Computing' and delivered the keynote address on 'Soft Computing and Intelligent Systems: Techniques and Applications' organized by Department of CSE, Muthayammal Engineering College, Rasipuram on 06.01.2024.
- Dr.S.Russia acted as a resource person for the seminar on 'Tensor Flow for Machine Learning' organized by Department of ECE, VCET on 06.02.2024.
- Dr.S.Russia acted as the reviewer for Second International Conference on 'Artificial Intelligence and Machine Learning Applications' (AIMLA) organized by K.S.Rangasamy College of Technology, Tamil Nadu, on 15.03.24 and 16.03.24.
- Ms.D.Yamunathangam acted as the resource person for the seminar organized by the Department of IT & IEI of VCET, on 1.3.24 on the topic 'Real Time Entity Based Abstract data Types and its Primitives in Python Programming Paradigms'.
- Mrs. Vidhya R acted as the resource person for the 3 days hands-on training on 'Android Application Development' organized by the Department of EEE, VCET from 18.3.24 to 20.03.24.
- Dr.V.Kavitha acted as the reviewer for the 2 days International Conference on 'International Conference in Disruptive Technologies (ICDT2024)' organized by GL Balaji Institute of Technology, Noida from 15.3.24 to 16.03.24.

#### **NPTEL:**

- Dr.V. LathaJothi completed the course 'Graph Theory' with Elite + Silver certification during Jan – Mar 2024 session.
- Ms.M.Thilagarani Completed the course 'Python for Data Science' with Elite + Silver certification during Jan – Feb 2024 session.
- Ms.S.Nithya Completed the course 'Python for Data Science' with Elite + Silver certification during Jan –Feb 2024 session.
- Ms.S.Devisri has successfully completed the course 'Effective Engineering Teaching in Practice' with Elite Certification during Jan-Feb 2024 session.
- Ms.I.Nivetha has successfully completed the course 'Software Testing with Completion' during Jan-Feb 2024 session.
- Dr.V.Kavitha has successfully completed the course 'Software Testing with Completion' during Jan-Feb 2024 session.
- Ms.S.Dhivya has successfully completed the course 'Cloud Computing and Distributed Systems' during Jan-Feb 2024 session.
- Ms.D.Yamunathangam has successfully completed the course on 'Effective Engineering Teaching in Practice' during Jan –Feb 2024.

## **DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

One programme was attended by a faculty member in the Department of Electrical and Electronics Engineering.

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Three programmes were attended by faculty members in the Department of Electronics and Communication Engineering.

- Mr. R. Gopalan organized a seminar on 'Intellectual Property Rights' on 01.02.2024.
- Ms.S.Pavithra organized a seminar on 'Tensor Flow for Machine Learning' on 06.02.2024
- Ms.S.Pavithra organized a seminar on 'Electronic Design using Open Source Hardwares with Online Simulators' on 11.03.2024.
- Mr.B.Dineshkumar organized a Value Added Course on 'Advanced Digital Applications Laboratory: Enhancing ECE Skills' 12.03.2024,14.03.24 & 15.03.2024.
- Ms.T.Sathya and Ms. V. Sakthi Priya organized a workshop on 'Paradigm in Teaching: Control Systems and Signal Processing using VLAB' on 14.03.2024.
- Mr. S.Nachimuthu, Mr. S.Ashwanth, Mr. K.K.Pradeep and Mr. B.Dineshkumar organized a Hands on Training on 'Importance of Embedded System' on 15.03.2024.
- Dr. K.Senthilprakash, Mr. P.Senthilkumar, Mr. S.Nachimuthu and Mr. S.Ashwanth organized a seminar on 'Career Opportunities in Embedded System for Automobile Industry' on 18.03.2024.
- Mr. R. Gopalan organized a seminar on 'Design Thinking and Innovation for Entrepreneurship' on 21.03.2024.
- Dr. M. Parimala Devi acted as a resource person for the 'Orientation Programme on VLSI Design' conducted at VCET on 02.04.2024.
- Dr.S.Mahendrakumar reviewed the paper on 'Performance Analysis of 3D M-Tier Heterogeneous Networks Using Adaptive Multistream Carrier Aggregation (AMCA)' in the 'International Journal of Mobile Communications' published by Inder science, Scopus, UGC-CARE (ISSN:1470-949X EISSN:1741-5217) January 2024 issue.
- .Dr.S.Mahendrakumar reviewed the paper on 'Design of Effective Non-Orthogonal Multiple Access System by Maximizing Spectral and Energy Efficiency using Hybrid Heuristic Optimization Approach' in the 'International Journal of Mobile Communications' published by Inder science, Scopus, UGC-CARE (ISSN:1470-949X EISSN:1741-5217) February 2024 issue.
- Dr.S.Rajan reviewed the papers titled 'Sakanat Oman: A Competent Mobile Application to Automate Real-Estate' and 'Design a Standalone Model of Green Hydrogen Energy System for Residential Application' in the '2024 1st International Conference on Innovative Engineering Sciences & Technological Research (ICIESTR-2024)' published by IEEE Xplore digital library, Scopus, February to March 2024.
- 4 faculty members presented their conference papers under different titles at Muthayammal College of Engineering, Rasipuram on 01.03.2024.
- Ms.T.Sathya presented a paper on 'A Robotic Steward for Marine Cleanup And Eco System Surveillance' in the 'National Conference on Recent Advances in Communication Electronics(NCRACE 2024)' conducted by SRM TRP Engineering College, Tiruchirappalli from 14.03.2024 to 15.03.2024.
- Ms. M Padmapriya presented a paper on 'Revolutionary Farming with Automated Wifi based Robotics and Smart Monitoring Systems' in the 'National Conference on Recent Advances in Communication Electronics (NCRACE 2024)' conducted by SRM TRP Engineering College, Tiruchirappalli from 14.03.2024 to 15.03.2024.
- Dr.S.Mahendrakumar presented a paper titled 'Design and Analysis of Wearable Antennas for Wireless Body Area Networks' in the 'Fourth National Conference on Innovations in Information and Communication Technologies 2024' conducted by Bannari Amman Institute of Technology, Sathyamangalam on 16.03.2024.

## DEPARTMENT OF MECHANICAL ENGINEERING

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

- G. Raja presented a paper on the title 'Enhancing Vehicle Safety in Challenging Terrain: Emergency Air Filling Systems for Reliable and Autonomous Driving' at the International Conference on Advancements in Materials, Design and Manufacturing for Sustainable during Feb 2024.
- G. Raja presented a paper on the title 'A Novel Hybridized Cryptographic Genetic Algorithm with Opportunistic Routing for Secured Data Transmission in Wireless Sensor Network' at the International Conference held at ICITIIT' 24, IIT, Kottayam during March 2024.
- Raja Gunasekaran published a chapter titled 'Applications of Friction Stir Welding' in the book 'Friction Stir Welding and Processing: Fundamentals to Advancements' published by John Wiley & Sons, Inc. March 2024 (ISBN: 978-1-394-16943-6).
- Dr. S. Velumani, Dr. R. Prakash, Mr. K. Ramakrishan, Mr. D. Senthilkumar, Mr. V. Mohankumar, Mr. A. Manojkumar, Mr. A.T. Navin Prasad, Mr.S.Karvendhan and Mr. G. Raja completed NPTEL course on 'Inspection and Quality Control in Manufacturing' during Jan- Feb 2024.

## DEPARTMENT OF MEDICAL ELECTRONICS

Three programmes were attended by faculty members in the Department of Medical Electronics.

Ms. S. B. Abitha presented and published a paper titled 'Guardians of Grids: A Novel Method for Identifying High Voltage Insulator Flaws' at IEEE and ACM collaborative international conference on Emerging Trends in Information Technology and Engineering on 22.02.2024 at Vellore Institute of Technology, Vellore.

## DEPARTMENT OF INFORMATION TECHNOLOGY

Ten programmes were attended by faculty members in the Department of Information Technology.

- Mr. K. Gopalakrishnan completed the NPTEL online certification course 'Teaching And Learning in Engineering (TALE)' with Elite tag.
- Dr. S. Viveka & Ms. V. Leela completed the NPTEL online certification course 'Design Thinking - A Primer' with Elite + Silver tag and Mr. A. Logeswaran, Ms. P. Prema and M. Gowthami with Elite tag.
- Dr. M. Kavitha, Mr. C. Saravanan and Mr. K. Gopalakrishnan attended the Hinweis Second International Conference on Advanced Research in Engineering and Technology - ARET and presented a paper title 'A Review on Lane Line Detection and Forward Collision Warning Using Artificial Intelligence', 'Customizing Music Playlists Based on User Emotional States: A Survey' and 'A Review on Speech Emotion Recognition with Machine Learning Techniques' respectively on 24.02.2024.

- Ms. P. Prema attended the International Conference on Newer Engineering Concepts and Technology (ICONNECT-2024) and presented a paper 'Deep Learning for Diabetic Retinopathy Detection: Leveraging Down Syndrome Algorithms for Enhanced Image Analysis' held at K. Ramakrishnan College of Technology on 28.03.2024.
- Ms. P. Prema attended the International Conference on Newer Engineering Concepts and Technology (ICONNECT-2024) and presented a paper 'Progressive Web APP for Library Management using MERN Stack' held at K. Ramakrishnan College of Technology on 28.03.2024
- Dr. K. Ganeshkumar acted as a resource person for the Guest Lecture conducted by Annapoorna Engineering College on 31.01.2024 and addressed the audience on the topic 'Components in IoT'.

## DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Five programmes were attended by faculty members in the Department of Artificial Intelligence and Data Science.

Dr.S.Sadash acted as a resource person in Sakthi Polytechnic College, Apakkudal and delivered a lecture on the title 'Latest Trends in AI' on 06.03.2024.

## DEPARTMENT OF MANAGEMENT STUDIES

Six Programmes were attended by faculty members in the Department of Management Studies.

Dr.T.Vetrivel presented a paper in the International Symposium on 'Recent Trends in Management Science' organized by Department of Business Administration, Vellalar College for Women, Erode on 21.02.2024.

Dr.T.Vetrivel presented a paper in the National Level Technical Symposium on 'Emerging Trends in Digital Marketing and AI' organized by Hindusthan Institute of Technology, Coimbatore on 26.03.2024.

Dr.T.Mohanapriya, Dr.K.T.Kalaiselvi and Dr.A.Kannammal presented a paper entitled 'Strategic Integration of Fintech Solutions for Business Growth & Leadership Success' in the International Conference on 'Building Competitiveness through Technology Enables Business, Management and Leadership' on 9th and 10th February 2024 at The American College, Madurai.

Dr.T.Vetrivel acted as a Resource Person for the One Day Workshop on 'Entrepreneurship Challenges and Opportunities', Organized by IIC and EDC Cell of VCET on 27.02.2024.

Dr.T.Mohanapriya provided training on 'Effective Investors Communication' to the Employees of Keyway Academy, Erode on 19.03.2024.

## DEPARTMENT OF SCIENCE AND HUMANITIES

### DEPARTMENT OF MATHEMATICS

Five programmes were attended by faculty members in the Department of Mathematics.

Conference

D.Shanmugavadivu presented a paper titled 'Star Edge Colouring of Tensor Product of Graphs' in the International Conference on Theoretical and Computational Graph Theory conducted by Vellalar College for Women and VET Institute of Arts and Science from 10.01.2024 to 12.01.2024.

Dr.K.Rathi delivered a talk on 'Mathematical Modelling and Computational Methods in Science and Engineering' in the PI day celebration organized by PKR College for Women, Gobi on 14.03.2024.

Dr.K.Rathi has published a book titled 'Mathematical Modelling' with REST Publishers India Ltd. during March 2024 (ISBN 978-81-969420-8-3).

Dr.K.Rathi has completed a 4-week NPTEL course on 'Introduction to Probability and Statistics' with Elite + Silver tag during Jan-Feb 2024.

### DEPARTMENT OF PHYSICS

One programme was attended by a faculty member in the Department of Physics.

### DEPARTMENT OF CHEMISTRY

Dr.K.Manikandan, Dr.S.Kalai selvi, Dr. M.Sridharan, Ms. D.Umamaheswari, Ms.M.Priya, Ms.M.Gowri and Mr.R.Balasubramanian participated in the virtual one day International Seminar on 'Unveiling The Nanohorizons - Frontiers In Nanochemistry Advancements' organised by the PG Department of Chemistry, Vellalar College for Women, Erode on 4th January 2024.

Dr.K.Manikandan, Dr.M.Sridharan and Mr.R.Balasubramanian presented papers entitled 'Facile Synthesis and Characterization of Pure and W-doped TiO<sub>2</sub> Nanoparticles and their Antimicrobial Study', 'Cu-doped ZnO nanoparticles for its Photolytic activity' and 'Synthesis, Morphological Study and Characterization of Pure and Co-doped TiO<sub>2</sub> Nanoparticles and its Assessment to Antimicrobial Activity' respectively at the one day National Seminar on 'Renaissance in Energy Research and Development – RERD 2024' organized by the Departments of Physics and Chemistry on 29th January 2024.

Dr.S.Kalai Selvi, presented a paper entitled 'Green Solvent Assisted Biogenic synthesis of Silver Nano Particle for the Development of Therapeutic Agent' at the MAHSA International Technology and Engineering Conference (Mi-TEC) 2024 organized by the Faculty of Engineering, Built Environment and Information Technology, MAHSA University, Malaysia on 24th February 2024.

### DEPARTMENT OF ENGLISH

Six programmes were attended by faculty members in the Department of English.

Dr. S. Hemalatha, Dr. B. S. Gomathi, Ms. S. Tamilselvi, Ms. T. Sasikala, Ms. S.K. Aashika and Ms. M. Bharathi have presented a paper in a three day National Level Conference.

Dr. S. Lalitha has presented two papers one in a national and another in an international conference.

# Research Activities

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

### DEPARTMENT OF BIOMEDICAL ENGINEERING

Dr.J.Rajalakshmi published a book 'Machine Learning' by Global Aasan Research, 978-81-969450-8-4, February, 2024.

Dr.J.Rajalakshmi, 'Assessment of Urban Heat Island Using Remote Sensing and Geospatial Application: A Case Study in Sao Paulo city, Brazil, South America', Journal of South American Earth Sciences, Volume 134, ISSN No. 0895-9811, February 2024.

Dr.S.Mangai, 'Machine Learning for Respiratory Disease Diagnosis and Monitoring: A Survey of Recent Advances', International Journal of Creative Research Thoughts, Volume 12 Issue 3, pp. 2320-2882, March 2024.

Dr.S.Mangai published a utility patent on 'An IoT Based Biometric, IR Reader and Thermal Scanner Health Registry Device' on 29.03.2024.

Dr.M.Ponni Bala published a patent on 'Artificial Intelligence and IoT based Smart Urban Waste Management System for Optimal Resource Allocation using Machine Learning algorithm' on 23.02.2024.

Dr.S.Mangai, Ms.S.Maheswari, Dr.M.Ponni Bala and Dr.J.Rajalakshmi registered a Copyright for 'Manual for Advanced Medical Image Processing' on 4.12.2023, Registration Number: L-142278/2024.

### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Mr. A. P. Gopu published a paper titled 'Enhancing Secure Data Transmission in IoT via Advanced Conditional Generative Adversarial Network and Encryption Techniques' in Traitement du Signal (E-ISSN No. 1958-5608), Vol. 41, No.1, February 2024, pp. 401 – 410.

Mrs. Vidhya R published a paper titled 'Map Reduce Based K-Means Genetic and C- Means Fuzzy Clustering Formation for Community Detection and Community Validation' in the IEEE Xplore on 09.02.2024. DOI: 10.1109/ICECA58529.2023.10395237 <https://ieeexplore.ieee.org/document/10395237>.

### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Dr.P.Sakthivel published a paper titled 'Low Power Adders using Asynchronous Pipelined Modified Low Voltage MCML for Signal Processing and Communication Applications' in the Analog Integrated Circuits and Signal Processing, <https://doi.org/10.1007/s10470-023-02241-0>, Received: 20 November 2023 / Revised: 10 December 2023 / Accepted: 22 December 2023 (SCI), published on 11th January 2024.

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Ms.N.Divyaa, Ms.M.Padmapriya applied a patent on 'Machine Learning based on Camera for Health Care Management' on 10/1/2024. [404171-001].

Dr.S.Mahendrakumar published a patent on 'Design of IoT-Enabled Face Detection and Tracking Using Image Processing On Raspberry Pi.' on 11/02/2024. [Reg.No:08/03/2024&202441009131A].

Mr.B.Dineshkumar published a patent on 'Navigating The Future: A Cognitive Framework for AI, Digital Transformation & Cyber security in Banking' on 14/02/2024. [202441010175].

### DEPARTMENT OF MECHANICAL ENGINEERING

T.C.R. Dinesh & S. Karvendhan, 'Advancements and Applications of Friction Stir Welding: A Comprehensive Review', International Journal of Scientific Research in Engineering and Management (IJSREM), Vol. 8, Issue. 2, Feb 2024 (ISSN No. 2582-3930).

G. Raja, 'Enhanced Efficiency of Mono-crystalline Si Solar Cells Utilizing RF Sputtered TiO<sub>2</sub>-Al<sub>2</sub>O<sub>3</sub> Blended Anti-Reflection Coating for Optimal Sunlight Transmission and Energy Conversion, Ceramics International, Elsevier, Feb 2024 Print ISSN: 0272-8842 Online ISSN: 1873-3956.

G. Raja, 'Application of Gahnite Reinforced Cyclic Olefin Copolymer Cover Sheets on Si Solar Cell for Augmenting the Power conversion Efficiency', Journal of Materials Science: Materials in Electronics, Springer, Vol. 35, March 2024.

Dr. S. Velumani published a patent titled 'An IOT Based Health Monitoring System' on 12.01.2024.

A.T.Navin Prasad and Dr.S.Velumani authored and copyrighted the 'Thermal Engineering Laboratory Manual' on 15.01.2024 (Reg. No: L-141043/2024).

Dr. R. Prakash, Mr. K. Ramakrishan, Mr. M. Gopi, Mr. A.T. Navin Prasad, Mr. D. Kesavan, Mr. V. Mohankumar and Mr. A. Manojkumar published a patent titled 'Design and Implement of Cloud Server based Vehicle Pollution Monitoring with Alerting System' on 02.02.2024.

Dr. R. Kumaravelan and Mr. T.C.R. Dinesh have been granted a patent on the title 'Advanced and Integrated Security System for Two Wheelers' on 01.03.2024.

Dr. R. Prakash and Dr. R. Kumaravelan authored and copyrighted the 'Computer Aided Design Laboratory Manual' on 27.03.2024 (Reg. No: L-145942/2024).

### DEPARTMENT OF MANAGEMENT STUDIES

Dr.T.Mohanapriya, Dr.K.T.Kalaiselvi and Dr.A.Kannammal published a paper in Humanities and Social Science Studies journal entitled 'Strategic Integration Of Fintech Solutions For Business Growth And Leadership Success', during January – June 2024, ISSN 2319-829X with IF=7.28 Vol. 13, Issue 01, No. 13. Pg No: 153 to 161.

Dr. T. Mohanapriya & Ms. K. V Mahamithra published a book chapter titled 'Digitalization in the Marketing and International Trade' in the book 'Social Media Marketing and its Impacts' by Beyond Line Publisher, Bangalore during January 2024, ISBN: 978-93-95659-60-4, Pg No: 124 to 132.

Dr.T.Mohanapriya published a book chapter titled 'Latest Development in Commerce and Management' in the book 'The Rise of AI in Management: Enhancing Efficiency and Innovation', by Innovative Online Training Academy Publishers, Coimbatore during January 2024, ISBN Number: 978-93-93622-37-2, Pg No: 54-68.

Dr. S.Kumar, Ms. N. Nikitha, & Ms. D. Sree Janani published a book chapter titled 'Digitalization of Commodity Trading, Marketing and Agricultural Sector' in the book 'Government Initiative for Digital Agriculture' by Forschung Publications, Chennai during January 2024, ISBN: 978-93-91772-80-2, Pg No: 145 to 151.

Dr.K.T.Kalaiselvi had published a book chapter titled 'Growth of Digital Marketing in Recent Era' in the book titled Digitalization in the Marketing and International Trade published by Beyond Line Publisher, Bangalore during January 2024, ISBN: 978-93-95659-60-4, Pg No: 183 to 188.

Dr. A.Kannammal, Mr. Pranav Kiruthik, & Mr.C.Vishok, published a book chapter titled 'Digitalization of Commodity Trading, Marketing and Agricultural Sector' in the book 'E-Market for Agricultural Commodities' by Forschung Publications, Chennai during January 2024, ISBN: 978-93-91772-80-2, Pg No: 127 to 133.

Dr.T.Vetrivel, Dr D.Muthukrishnaveni, Dr S.Kumar & Dr A.Kannammal published a patent entitled 'Plastic Waste Management System', Date of Filing: 04/01/2024, Date of Publication: 02/02/2024, Application No: 202441000625 A.

Dr T.Mohanapriya, had published a patent entitled 'Artificial Intelligence in Social Media Marketing Strategies and Best Practices of Hospitality and Tourism Organizations', Date of Filing: 26/01/2024, Date of Publication: 09/02/2024, Application No: 202441005436 A.

Dr S.Kumar, & Dr D.Muthukrishnaveni published a patent entitled 'Analysis the Effect of Flood for Transportation of Ecommerce in India', Date of Filing: 03/02/2024, Date of Publication: 08/03/2024, Application No: No.202441007398 A.

Dr.K.T.Kalaiselvi published a patent entitled 'Artificial Intelligence in Social Media Marketing Strategies and Best Practices of Hospitality and Tourism Organizations', Date of Filing: 26/01/2024, Date of Publication: 09/02/2024, Application No: 202441005436 A.

Dr.N.Balachandran published a patent on 'Analysis of Integrated Marketing Programs of Digital Channels' on 22nd March 2024 with Application No. 202421015516A.

#### **DEPARTMENT OF SCIENCE AND HUMANITIES**

##### **DEPARTMENT OF MATHEMATICS**

K.Vetri published a patent on 'Statistical Algorithms and Machine Learning Techniques for Predicting Stock Market Movements' dated 08.03.2024. (Issue No. 10/2024, Application No. 202441011029A)

##### **DEPARTMENT OF PHYSICS**

Dr.Ranjitha S published a chapter titled 'Bio-Solids Recovery from Wastewater', in the book 'Applications of Nanotechnology for Resource Recovery from Wastewater', 1st Edition, pp 295 during May 2024.

##### **DEPARTMENT OF ENGLISH**

Dr. S. Hemalatha and Dr. B. S. Gomathi published a paper titled 'The Potential of Technology for Language Learning', in the UGC CARE Peer-Reviewed Journal, Rabindra Bharati University Journal of Economics.

Dr. S. Hemalatha published a patent on the title, 'Education Reform: A Major Turning Point from Conventional to Contemporary Learning Environment', on 09.02.2024.

Ms. V. Suguna has published a chapter titled 'Women as victims of Violence: Post Partition Life of a Female Victim in Jyotirmoyee Devi's 'The River Churning: A Partition Novel'', in the book 'Facets of the Feminine in Contemporary Fiction - Collected Essays' in the month of March, 2024. (ISBN. No: 979-8-89222-238-9).

Dr. S. Lalitha from the Department of Tamil published a chapter titled, 'Devadevan Kavidhaigalil Suttruchchulal', in the book 'Ariviyal: Andrum- Indrum' (ISSN. No: 2583-5572). She also published a chapter titled 'Ka. Appadhuraiyaarin Tamilpani' in the book 'Tamil: Andrum- Indrum' (ISBN. No: 978-81-199579-6-5).

## **Awards / Recognitions**

#### **DEPARTMENT OF CIVIL ENGINEERING**

Dr.C.Karthik has been appreciated for mentoring the team of students to participate in the National Cube contest organized by the ICI Students chapter, Department of Civil Engineering, PSG College of Technology, Coimbatore.

Mr.S.C.Sarath Kumar has been appreciated for mentoring the team CIVILTECH that participated in the PALS innoWAH! 2023-24 Finals, an event conducted by PALS, IIT Madras on 23.03.2024 and the team won the first prize.

#### **DEPARTMENT OF MECHANICAL ENGINEERING**

V. Mohankumar has been appreciated for his active role as a Faculty Advisor in the Saeindia Southern Section Dr. G. Padmanabham Memorial Electric Two-Wheeler Design Competition - 2024 held at Rajalakshmi Engineering College, Chennai on 17th & 18th February 2024.

V. Mohankumar has been appreciated for his active role as a Faculty Advisor in the SAEISSBicycle Design Challenge 2024 held at Knowledge Institute of Technology, Salem on 24th & 25th February 2024.

Dr. S. Velumani secured Elite + Gold tag and became 1% topper in NPTEL course on 'Inspection and Quality Control in Manufacturing' for the period of Jan - Feb 2024.

Mr. D. Senthilkumar secured Elite + Silver tag and became 5% topper in NPTEL course on 'Inspection and Quality Control in Manufacturing' for the period of Jan- Feb 2024.

#### **DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE**

Dr.S.Sadesh successfully completed the NPTEL course on 'Python for Data Science' and secured Elite + Silver tag in March 2024.

#### **DEPARTMENT OF SCIENCE AND HUMANITIES**

##### **DEPARTMENT OF ENGLISH**

Dr. B.S. Gomathi was awarded Ph. D by the Bharathiar University for her contribution to the field of English Language Teaching on 17.11.2023.

Ms. S.K. Aashika has qualified UGC-NET for eligibility for Assistant Professor held on 16.12.2023.

## GLIMPSES OF VARIOUS ACTIVITIES



Our college has been listed in Top 100 Swyam NPTEL Local Chapters (83rd Position) out of 4692 Local Chapters based on participation and performance of candidates in Jul - Oct 2023 Exams across India and the college received the award in January 2024.



JCI Club's special motivational lecture on 'Sculpt Yourself' an educational awareness program for the first year students on 13.03.2024.



As part of Women's Day Celebration, saplings were being planted on 08.03.24



World Water Day celebration on March 23, 2024



'Banking Awareness for Future Entrepreneurs' – a workshop on 10.04.2024



In collaboration with Aravind Eye Hospital, Coimbatore, the Rotaract Club successfully organizing the 7th Mega Eye Camp at Mottayappar Aided Middle School in Vallipurathampalayam on 03.03.2024.

# VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous)

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