



## 20<sup>th</sup> Graduation Day

The 20<sup>th</sup> Graduation Day of SRM Valliammai Engineering College was held on 16<sup>th</sup> March, 2025, at the prestigious Dr. T. P. Ganesan Auditorium, marking the culmination of an enriching four-year academic journey. This milestone event held great significance for the graduating students as they embarked on the next phase of their professional lives.

The ceremony commenced with the traditional invocation, followed by a warm welcome from Dr. B. Chidambararajan, Director, SRMVEC. Dr. M. Murugan, Principal, presented the Graduation Day Report, highlighting the institution's achievements and milestones.

Extending their best wishes, Dr. Ravi Pachamuthu, Chairman of the SRM Group, and Ms. R. Harini,

Correspondent of SRMVEC, recognized the occasion as the beginning of a promising career journey for the graduates. Ms. R. Harini delivered the presidential address offering words of encouragement and motivation for the future.

The highlight of the event was the presence of the Chief Guest, Shri. Jaishankar Damodaran, Head Trainee Hiring – BPS Tata Consultancy Services, who conferred degrees upon 626 graduates and 42 outstanding rank holders were honoured with medals and certificates for their academic excellence. In his keynote address, Shri. Jaishankar Damodaran underscored the evolving role of engineers in today's dynamic technological landscape, emphasizing the importance of practical knowledge and its real-world applications.



## Department of Civil Engineering

Department of Civil Engineering in association with the Institution of Engineers (India) organized an event 'உலக தாய்மொழி நாள் விழா' on 21<sup>st</sup> February 2025. A total of 150 Civil Engineering students from our institution were benefitted.



An event on 'உலக தாய்மொழி நாள் விழா'

The third year Civil engineering students Mr.Pugazh.K and Mr.A.Vidyasagar participated as NCC Cadet for 'CATC' on 4<sup>th</sup> January 2025 at Sairam Engineering College.

The Department of Civil Engineering organized a Guest Lecture on 'Entrepreneurial Competencies to Bridge the gap between Academic and Profession' on 5<sup>th</sup> February 2025. A total of 75 Civil Engineering students from our institution participated. The keynote speaker was Mr. Mahaboob Subani.S.k Team Leader-Civil,Saint Gobain India Pvt. Ltd.



Guest Lecture on 'Entrepreneurial Competencies to Bridge the gap between Academic and Profession'

The Department of Civil Engineering organized a Guest Lecture on 'Fundamentals and Innovation in RCC structure design' on 14<sup>th</sup> February 2025. A total of 75 Civil Engineering students from our institution participated. The keynote speaker was Er. L. Suresh



Guest Lecture on 'Fundamentals and Innovation in RCC structure design'

Kumar,Assistant Engineer Central Public Works Department - Chennai.

The Department of Civil Engineering organized a one-day Industrial Visit for III Year Civil students to 'Puzhal Water Treatment Plant' on 28<sup>th</sup> February 2025 in which 22 students and 2 Faculty members were participated.



Industrial Visit to 'Puzhal Water Treatment Plant'

Dr.D. Elango, Professor and Head, Departments of Civil Engineering was the Chief Guest at Institution of Engineers Sponsored Inaugural Event at Sathyabama University.

The following Faculties of Civil Engineering Department published Papers in 'International Conference on Sustainable Practices and Innovations in Civil Engineering' - Mr. G.R. Iyappan (3 Papers), Ms.K.Suganya Devi (1 Papers), Mr. A. Sattainathan Sharma & Dr. A. Leema Rose (2 papers), Dr. S. Suresh Babu (2 Papers) and Mr. N. Vinothkumar (1Paper).

IE(I) Celebrated World Engineer's Day on 8th March at IEI Auditorium Chennai. Dr.D. Elango, Professor and Head, Department of Civil Engineering addressed the function along with Hon'ble Minister Mr.Palanivel Thiyagarajan and Sona group of Chairman Mr.Valliappa.



IE(I) Celebrated World Engineer's Day

On 17<sup>th</sup> March 2025, IIT Conducted Space Organization meeting where Dr. D. Elango, Professor and Head, Department of Civil Engineering interacted with



IIT Conducted Space Organization meeting

ISRO Chairman Dr. Narayanan, Sathish Dhavan and Launching Director Er. Rajarajan at IIT (Madras).

The Department of Civil Engineering organized a National Level Technical Symposium-CONSTRUO'25 on 15<sup>th</sup> March 2025. The Chief Guest was Er. Paranthaaman, Superintending Engineer, Highway Engineering, NABARD & Rural roads circle, Chengalpattu.



National Level Technical Symposium-CONSTRUO'25

Dr. A. Leema Rose, Professor, Department of Civil Engineering presented Paper in 'ICC IDEA 2025', 2<sup>nd</sup> International Conference on Civil Engineering Innovative Development in Engineering Advances, 'ICC IDEA 2025' at SRMISTE.

The following Faculties of Civil Engineering Department published Papers in '13<sup>th</sup> International Conference on Contemporary Engineering and Technology 2025'. Dr.D. Elango, Professor and Head, Departments of Civil Engineering published 2 papers, Mr. A. Sattainathan Sharma (3 paper), Dr. A. Leema Rose (2 paper), Dr. S. Suresh babu (1paper) and Mr.N.Vinothkumar (1paper).

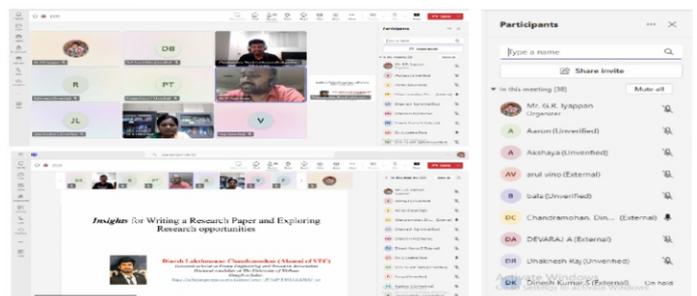
Third year students of Civil Engineering Department, Peer mohamed M and Shyam prasath S has won the 3<sup>rd</sup> prize with a cash reward of Rs.1000 for paper presentation in STRESS-2025 National Level Technical Students Symposium at Annamalai University (Department of Civil and structural Engineering.

Mr.N.Vinoth Kumar, Faculty of Civil Engineering Department was Sanctioned with Rs 2,30,000 under Research Initiative Seed Fund 24- 25 SRM VEC for the project titled 'Performance Characterization of Lime Stabilized Earth Blocks with Matrix Modification Using Treated Natural Fibres'.

Mr.N.Vinoth Kumar, Faculty of Civil Engineering Department was Sanctioned Rs 5000 under Student Project Scheme 24-25 SRM VEC for the project titled 'Study on the effect of chemical treatment on fibre matrix induced lime stabilized compressed earthen blocks' under Student Project Scheme 24-25 SRM VEC.

Mr.N.Vinoth Kumar, Faculty of Civil Engineering Department was Sanctioned Rs.10,000 under Nan Mudhalvan Niral Thiruvizha 2.0 for the project titled 'Study on the performance characteristic of natural fibre reinforced with lime stabilised soil'.

The Department of Civil Engineering organized an Alumni Guest Lecture on 'Insights for Writing a Research Paper and Exploring Research Opportunities online mode'. The Speaker was Mr.C.Dinesh Lakshmanan. This session involved over 60 participants.



An Alumni Guest Lecture on 'Insights for Writing a Research Paper and Exploring Research Opportunities online mode'

Dr.D.Elango, Professor and Head, Department of Civil Engineering was the Board of Studies member in BoS Meeting at 'Annamalai University, Chidambaram' on 27<sup>th</sup> March 2025 and Acted as Session Chair in International Conference -ICCIDEA 2025 on 21<sup>st</sup> March 2025.

Dr. A. Leema Rose, Professor, Department of Civil Engineering was the Session Chair in International Conference -ICCIDEA 2025 on 21<sup>st</sup> March 2025. Dr.S.Suresh babu, Associate Professor, Department of Civil Engineering was the Session Chair in International Conference -ICCIDEA 2025 on 21<sup>st</sup> March 2025. Mr.N.Vinoth Kumar, Assistant Professor was the Keynote Speaker in Academic Guest Lecture at St. Peters College of Engineering on 24<sup>th</sup> March 2025.

## Department of Agricultural Engineering

The Department of Agricultural Engineering organized a Seminar on 'Career Guidance for School Children - A Social Outreach Activity' was conducted at St. John Matriculation Higher Secondary School, Guduvanchery along with 3 faculty members on 24<sup>th</sup> January 2025. A total of 109 Students benefited from the valuable insights about various engineering departments, Industries relevant courses and potential employment opportunities in Agricultural Engineering at our Institution.



Seminar on 'Career Guidance for School Children - A Social Outreach Activity'

Dr.S. Packialakshmi, Professor and Head, Department of Agricultural Engineering has published a Scopus paper in SSRG International Journal of Civil Engineering on the topic 'Evaluation of Bond Strength on Fiber Reinforced Concrete (FRC) with GFRP Rebars under

### EDITORIAL

The Chief Editor : **Dr. B. Chidambara Rajan**, Director, SRMVEC

Editor : **Dr. M. Murugan**, Principal, SRMVEC  
**Dr. M. Chithra**, Asst. Prof. (Sr.G), Head, Dept. of English  
**Ms. Geetha Murali**, Asst. Prof. (Sr.G), Dept. of English

Layout & Design : **Mr. T. Elavarasu**, Placement Executive

Marine Environmental Conditions - An Experimental Investigation' on 16<sup>th</sup> January 2025.

The Final year Agricultural Engineering students Pon.Kiranbabu and V.K. Nidhisha has won the third prize in National Science Day 'SCIMIT 2' at 'Manakula Vinayagar Institute of Technology, Puducherry' on 28<sup>th</sup> February 2025. The following students S.Sivabalan, T.PriyankaR,HarishS, Madhumitha, KuralarasanP, PrasanthP, Gokulapriya and S.Jayasri participated in National Science Day 'SCIMIT 25' at 'Manakula Vinayagar Institute of Technology, Puducherry' on 28<sup>th</sup> February 2025.



Pon.Kiranbabu and V.K. Nidhisha has won the third prize in National Science Day 'SCIMIT 2'

The Final year students Ms.Subhiksha.K, Priyanka.V, MinoArulSelvan.L and Ramya.M Participated in 'Thiran 25' at 'Sri Eshwar College of Engineering' on 20<sup>th</sup> February 2025.

The Third year Agricultural Engineering student Ms.Shalini won the Third prize in Basket Ball at Intercollege Tournament in SSN college on 26<sup>th</sup> February 2025.

The Third-year Agricultural Engineering students along with 2 faculty members visited 'Onattukara Regional Agricultural Research Station -ORAS', 'Kerala Forest Development Corporation (KFDC)' and 'Masco Tea Factory' as a two-day industrial visit from 28<sup>th</sup> February 2025 to 01<sup>st</sup> March 2025.



Industrial Visit to 'Onattukara Regional Agricultural Research Station -ORAS'

The Department of Agricultural Engineering, in association with the Institution of Engineers (India), Indian Society for Technical Education, organized a Guest Lecture on 'Ergonomics in Agricultural Engineering' on 27<sup>th</sup> February 2025. The total of 114 Students and 5 Faculties were benefited. The Guest speaker was Dr. S. Murali M.E., Ph.D., Associate Professor, Department of Mechanical Engineering, SRM IST delivered an insightful presentation on Ergonomics. The students were able to have a comprehensive



Guest Lecture on 'Ergonomics in Agricultural Engineering'

understanding of ergonomic principles and their application in improving agricultural practices. This also enhanced their skills in designing ergonomic solutions, raises awareness about occupational health risks and promotes collaborative learning.

The Department of Agricultural Engineering, in association with the Institution of Engineers (India), Indian Society for Technical Education, organized a Guest Lecture on 'Landscape Design and Practices' on 26<sup>th</sup> February 2025. The External session speaker was Ar.S.Dhivya Kamatchi, M.Arch, Landscape Architect, Grey Herd Design Lab Chennai. The students gained a deeper understanding of the basic principles and elements of landscape design, such as balance, harmony, scale, proportion, and the importance of creating functional, aesthetic spaces. The Students Learned to apply the designs in real-world projects. The students gained greater awareness of how to create landscapes that are not only beautiful but also environmentally responsible, using sustainable practices and materials.



Guest Lecture on 'Landscape Design and Practices'

The Department of Agricultural Engineering organized a Guest Lecture on 'Global Opportunities for



Guest Lecture on 'Global Opportunities for Higher Studies in Agricultural Engineering'

Higher Studies in Agricultural Engineering' on 23<sup>rd</sup> March 2025. The External session speaker was MR.H. Abdul Navas, Senior Manager in KC Overseas- Osprey Academy. The students gained knowledge about various exams conducted for abroad studies.

The Department of Agricultural Engineering organized a Symposium 'Cronous 2025' on 8<sup>th</sup> March 2025. The Chief guest of the event was Mr. J. Dinesh Kumar, Chief Manager, Indian Bank Corporate Office who delivered an inspiring inaugural speech. This event provided students with a valuable opportunity to cultivate their interest and expand their knowledge of current developments in Agricultural Engineering. 120 students and 15 faculty members participated in the events. The interaction with students from various institutions lead to an exchange of ideas and technologies, ultimately driving innovation in their respective fields of interest.



Symposium 'Cronous 2025'

The Final year students A. Sakthivel, Harikishore. D, Mukesh Kumar.S has participated in ETAST 2.0-International Conference on 6<sup>th</sup> and 7<sup>th</sup> March 2025. The Final year student Guru Prasanna.S participated in TANCAM's Hackathon at Periyar Maniammai Institute of Science and Engineering.

## Department of Computer Science and Engineering

Awareness programme on Entrepreneurship and Innovation with MSME Scheme was conducted on 21<sup>st</sup> January 2025. The resource person was Dr.G.Seenuvasan District Program Manager EDII-TN.



Awareness programme on Entrepreneurship and Innovation with MSME Scheme

A Guest Lecture was organized on 24<sup>th</sup> January 2025 on the topic 'Integration of AI and IOT'. The resource person was Mr.Solairaj Muralidharan, Full Stack Engineer, Kochi, Kerala.



Guest Lecture on 'Integration of AI and IOT'

District Level Bootcamp (Student Innovation Development Project (SIDP 3.0) for school students was conducted on 31<sup>st</sup> January and 1<sup>st</sup> February 2025. The resource person was Ms.C.Karpagam, Chief Educational officer, Chengalpattu, Mrs.V.Vetriselvi, Chief Educational officer, Kanchipuram, Smt.Manasa, UNICEF, Dr.G.Seenuvasan, District programme manager, MSME, Chengalpattu and Mr.K.Kuluntha, District programme manager, MSME, Kanchipuram

Dr.G.Kumaresan, Ms.M.Priyadharshini, Ms.S.Shanthi, Dr.G.Sangeetha, Ms.M.Mohanapriya and Dr.A.Samydurai published patent titled 'IOT Based Agricultural Weather Station' was granted with application no: 439180-001.

Dr.C.Pabitha patent titled 'An AI based interactive kiosk for checking health care data' was granted with application no: 438896-001.

Dr. B. Vanathi, Dr. C. Pabitha, Mrs. S. Suma and Dr.K.Revathi published a patent titled 'Solar powered smart Hat for physically challenged' with application no 441907-001.

Ms.R.Gayathri published patent titled 'Face Recognition and Voice Assist-based Vehicle Ignition and Controlling System' with application no 20541007273.

A Workshop was organized on 25<sup>th</sup> March 2025 on the topic 'DataScience'. The resource persons were Dr.Subalalitha C.N, ME., Ph.D. Founder Director of First Language Technologies., Dr.J.Briskilal ME., Ph.D. Assistant Professor, Department of Computing Technologies, SRM IST and Dr.G.Bhargavi, M.Tech., Ph.D. Assistant Professor, Department of Computing Technologies, SRM IST.



Workshop on 'DataScience'

A National Seminar was organized on 13<sup>th</sup> March 2025 on the topic 'Quantum Computing'. The resource persons were on Mr. S. Gopinath, Managing Partner, GB Tech Corp, Chennai, Dr.Devendra Rao, Associate

Professor, Rajalakshmi Engineering College and Dr.B.Ezhilavan, Managing Director, VEI Technologies, Chennai.



National Seminar on 'Quantum Computing

A Project Expo was organized on 27<sup>th</sup> March 2025. The resource persons were Dr. R. Karthick, Professor/EEE, Head R&D, Dr. K. Thirupathi, Associate Professor, Department of Physics and Prof. S. Srinivasan, Professor of Practice, AI&DS Department, and Heads of respective departments.



Project Expo

The students of the II year CSE-3 went on a one-day Industrial Visit to Sathish Dhawan SPACE CENTRE-SRIHARIKOTA on 20<sup>th</sup> February 2025.

The students of the Third year CSE-2 went on a three-day Industrial Visit to Kerala Electrical Allied & Engineering Co.Ltd, Nestsoft Techno Master, Iroid Technologies, Kerala 21<sup>st</sup> February 2025.

The students of the II year CSE went on a one-day Industrial Visit to Xebia NDS India Pvt Ltd 21<sup>st</sup> February 2025.

The students of the II year CSE-2 went on a one-day Industrial Visit to Neyveli Lignite Corporation, Cuddalore on 24<sup>th</sup> March 2025.

Dr.G.Kumaresan, Dr.G.Sangeetha and Ms.S.Shanthi published a book titled 'Foundations of Data Science' in Charulatha Publications with ISBN No:978-93-6260-314.

V.Sahana, J.Rubisha and R.Sangeetha III yr students participated in Bootcamp conducted by Tamilnadu Startup and Innovation Mission.

Ms.S.Shanthi was awarded 'Manpu Migu Magalir Viruthu 2025' by Vagai Thamizh Sangam on 09<sup>th</sup> March 2025.

Ms.R.Gayathri published a Book Titled 'Artificial Intelligence in Cyber Security: Revolutionizing Threat Detection and Defence' in IMAGINEX INKS Publication with ISBN No:978-81-982083-0-9.

Dr.C.Pabitha participated in IEEE Conference in Proceedings of the International Conference on Multi-Agent Systems for Collaborative Intelligence (ICMSCI-2025).

Dr.G.Kumaresan, Dr.G.Sangeetha, Dr.A.Samydurai, Ms.A.Lalitha, Ms.A.Vidhya, Ms.S.Shanthi, Mr.Leo Bright Tennisson and Ms.Vijayapriya presented paper in 13th International Conference on 'Contemporary Engineering and Technology 2025' on March 23<sup>rd</sup> and 24<sup>th</sup> with ISBN No:978-81-985365-9-4.

## NCC

CATC 24 CAMP 2025: Five cadets attended the camp held from 04<sup>th</sup> January 2025 to 13<sup>th</sup> January 2025.

CATC CUM RD MARINA TRG CAMP 2025: Eight cadets participated in the training camp from 03<sup>rd</sup> January 2025 to 12<sup>th</sup> January 2025.

REPUBLIC DAY: Forty cadets were involved in the celebrations from 23<sup>rd</sup> to 26<sup>th</sup> January 2025.

DG VAISHNAV 43<sup>rd</sup> CADOFEST 2025: Twenty-five cadets attended the event on 31<sup>st</sup> January 2025.

TNDALU 15th CADOFEST 2025: Thirty-five cadets participated in the fest from 27<sup>th</sup> to 28<sup>th</sup> February 2025.

C-CERTIFICATE 2025: Twenty-three cadets completed the certification from 13<sup>th</sup> to 14<sup>th</sup> February 2025.

B-CERTIFICATE 2025: Twenty-six cadets obtained the certification from 22<sup>nd</sup> to 23<sup>rd</sup> February 2025.

## Department of Cyber Security

The SRM Valliammai Engineering College, in association with the Computer Society of India - Student Branch, conducted a Cyber Awareness Programme for the benefit of school students. The event was held on 5<sup>th</sup> Feb 2025 and provided insightful sessions aimed at educating students on the importance of cybersecurity and staying safe in the digital world.



Cyber Awareness Programme for the benefit of school students

SRM Valliammai Engineering College, Department of Cyber Security, Association with Whitehatians Club & CSI-SRMVEC Student Branch organized a Second

National level 24 hours' hackathon 'HACK-A-TANK 2.0'. The event was held on 21<sup>st</sup> to 22<sup>nd</sup> February 2025 at the Old Seminar Hall, Admin Block. In this event there were 87 teams registered all over India and 24 teams were shortlisted based on innovative ideas and themes. The event started with the inauguration and carried out with the felicitation of Dr.M Murugan, Principal of SRM VEC continuing with Dr.M.Senthil Kumar, Head of the Cyber Security Department gave us a glimpse about the hackathon and felicitated the sponsored of Mydbops and Livewire Pvt.Ltd ,Chennai. The main theme of the hackathon concentrated on solving real-time problems that we face in our day-to-day life. Some of the projects developed during the hackathon were Automated NLP for online trading, AI powered YOLO-based fire detection, AI-powered In-vehicle biometric and Behavioural Security System, etc., The Judging panellist of this event were invited from various reputed IT companies such as Zoho, Livewire, Ysquare, Rootquotient technologies and Avasosft. Their projects have been reviewed by the panel members in four phases. The projects were evaluated based on the following criteria such as Creativity, Originality, Usability, Presentation and Pitch. Depending on this criteria, three teams were announced as a winner on 22<sup>nd</sup> February, 2025.



National level 24 hours' hackathon 'HACK-A-TANK 2.0'

SRM Valliammai Engineering College, in association with the Department of Cyber Security - Whitehatians, conducted a technical event titled 'CODETRIX' Fostering Innovation and Creativity through Engaging Website Designing for the students of SRM Valliammai Engineering college. The event was held on 11<sup>th</sup> March 2025. Dr. M. Senthil Kumar, HOD/CYS & Convener, Ms.T.Sathya, Assistant Professor and Ms. M. Raghavi, Assistant Professor from the Cyber Security department were the coordinators for this event. The event featured two rounds. Participants were asked to complete a quiz



Technical event on 'CODETRIX'

on website design in the first round and creating a website was the task for the second round. These rounds tested their creativity, technical knowledge, and ability to communicate complex concepts in a simple and engaging manner. The event was well-received, with participants showcasing strong innovation and collaborative learning.

## Student Affairs Committee

The Student Affairs Committee of SRMVEC organized an expert seminar on Interpersonal Boundaries on 27<sup>th</sup> March 2025 for UG students between 10.30A.M – 11.45A.M in Seminar Hall, New Block. Mr. K. Virumandhi, M.Sc. (C & P), Student Counsellor, SRM VEC, Registered Member of British Association for Counselling and Psychotherapy (BACP-UK) delivered an interactive presentation on the physical, emotional and social boundaries for establishing healthy relationships while establishing self-identity. He briefly explained handling types of boundaries in relationships to students and insight about establishing these boundaries to protect from being manipulated, used, or violated by others for maintaining mental well-being in academics and personal life.



This seminar was organized for the benefit of students to maintain healthy relationships for meaningful career growth and to maintain balanced mental well-being. The Coordinators of SAC Dr.N. Usha Bhanu, Prof. & Head – MDE, and Dr.M. Senthil Kumar, Prof & Head CYS with the support of other department coordinators organized the seminar effectively. The students clarified their doubts and interacted with the resource person. Totally, 121 students from CSE, CYS, IT, MDE, EEE & EIE UG departments participated and benefited by the Seminar.

## Department of Information Technology

Dr. S. Sekar, A.P published a paper titled 'Efficient Data Communication in SIOT: Hybrid Channel Attention Recurrent Transformer - Based Adaptive Marine Predator Algorithm for Reduced Energy Consumption' in WILEY International Journal of Communication Systems. Feb 2025.

Dr. K. Revathi, A.P published a paper titled 'Personalized Drug Recommendation System using Wasserstein Auto - Encoders and Adverse Drug Reaction Detection with Weighted Feed Forward Neural Network (WAES - ADR) in Healthcare' at Journal of Informatics

and Web Engineering Vol.4 No. 1 (February 2025) EISSN:2821-370X.

Dr. K. Revathi, A.P published a paper titled 'IOT - Based Nerve Stimulator for Women's Safety ' in Journal of Informatics and Web Engineering Vol.4 No. 1(February 2025) EISSN: 2821 - 370X.

Dr. K. Revathi, A.P, Department of IT, delivered a lecture on the topic 'Deep Learning Practices in Affective Computing' on 5<sup>th</sup> March Organized by Department of AI&DS, Vel Tech Multi Tech Dr. Rangarajan Dr.Sakunthala Engineering College, Chennai.

Dr. K. Revathi, A.P, Department of IT, delivered a lecture in the event titled 'Solar Powered Smart Hat for Physically Challenged' on 17<sup>th</sup> March organized by Intellectual Property of India.

Dr. D. Sridevi, A.P/ Ms. G. Santhiya, A.P and Mr. S. Suresh Kumar, A.P, published a book focusing on 'Data Visualization using R and Python' in Scientific International Publishing house, February 2025.

Dr. S. Narayanan, Professor & Head participated in a workshop on 'NBA Awareness Workshop on Outcome Based Education and Accreditation' organized by National Board of Accreditation, Anna University, Chennai held on 9<sup>th</sup> Feb.

Dr. S. Sekar, A.P participated in ATAL FDP on 'Metaverse in Digital Health Care: New Frontiers and Design Thinking' organized by Dr. N.G.P Institute of Technology from 17<sup>th</sup> Feb to 22<sup>nd</sup> Feb.

Dr. K. Revathi, A.P participated in ATAL FDP on 'Wearable Electronics for Biomedical Application' held during 17<sup>th</sup> Feb to 22<sup>nd</sup> Feb organized by Sri Eshwar College of Engineering.

Ms. S. Shenbagavadivu, A.P participated in ATAL FDP on 'Transforming Disaster Management and Resilience

in Civil Engineering through Adaptive AI and Neuromorphic Computing' held during 10<sup>th</sup> to 15<sup>th</sup> Feb organized by AAA College of Engineering and Technology.

Ms. S. Shenbagavadivu, A.P, attended a Training Programme DST - SERB Sponsored Research Facility Training Certificated on 'Convergence of Energy Harvesting and Cooperative Communication Network in the Emergence of Smart Cities' held on 14<sup>th</sup> Feb organized by the Department of Electronics and Communication Engineering, SRM Valliammai Engineering College.

Ms. S. Shenbagavadivu, A.P, participated in a 'NPTEL Star Felicitation event' organized by IIT Madras at SAC Auditorium held on 9<sup>th</sup> Feb.

Dr. S. Sandhya, A.P, participated in ATAL FDP on 'Artificial Intelligence for Science and Engineering' organized by National Institute of Technology, Nagaland from 17<sup>th</sup> to 22<sup>nd</sup> Feb.

Ms. D. Nisha, A.P, participated in ATAL FDP on 'Recent Advancements and Challenges in Integration of IOT and 5G/6G wireless Communication: Building the Next Gen Connectivity' organized by Kongundu College of Engineering and Technology from 3<sup>rd</sup> to 8<sup>th</sup> Feb.

Ms. I. Kavitha, A.P, participated in ATAL FDP on 'Exploring the Intersection of Blockchain Technology and Generative AI: Advancements, Applications, and Future Directions' organized by Sphoorthy Engineering College from 3<sup>rd</sup> Feb to 8<sup>th</sup> Feb.

Ms. I. Kavitha, A.P, participated an FDP on 'Windows Intervals and Antivirus' organized by Sathyabama University, Department of Computer Science and Engineering held on 12<sup>th</sup> Feb.

Ms. I. Kavitha, A.P, participated in ATAL FDP on 'Deep Learning and Computer vision in the field of Clinical

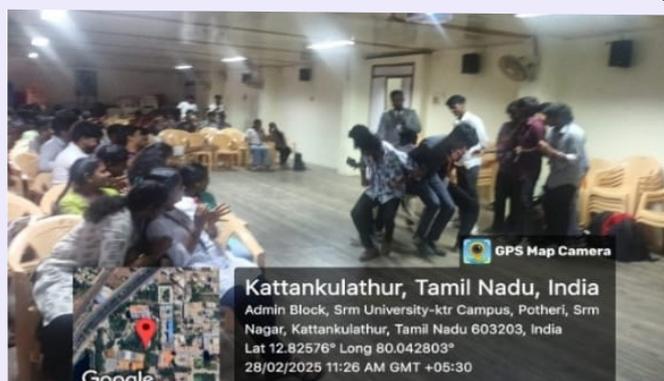
## Youth Red Cross

An 'Eye Check-up Camp' was successfully conducted on 19<sup>th</sup> March 2025. The crew from M.N. Eye Hospital conducted the screening in which 9 YRC Volunteers, 137 Non-Volunteers and 13 TS and NTS (Total -159) participated. The team had brought sophisticated screening machine as well as other equipment and also provided spectacles at a discount up-to 50%. The camp was well received by the participants.



An 'Eye Check-up Camp'

A 'Health Awareness Campaign – Physical and Mental Fitness' programme was successfully conducted on 28<sup>th</sup>



'Health Awareness Campaign – Physical and Mental Fitness'

February 2025. An expert speaker Mr. S.U.Mohamed Rizwan of Azhagiya Kai Trust delivered a presentation on Health Awareness Campaign – Physical and Mental Fitness. The following topics were covered -

Importance of Physical Fitness; Importance of Mental Fitness; Social Media Awareness; Preferences of Youth' How the Service to the Humanity is important and Mental and Physical Exercises

14 YRC Volunteers and 84 Non-Volunteers of I year CYS students and II Year Mechanical students attended the programme.

## Tamil Mandram

On 21<sup>st</sup> February 2025, SRM VEC's Paarivendhar Student's Tamil Association, in collaboration with the Institute of Engineers (India), Tamil Nadu State Centre, celebrated International Mother Language Day. Dr. Komala James, Head of the Department of Electronics and Communication Engineering, delivered an insightful lecture titled “தொலைத்தொடர்பு தொடக்கமும் தொன்மையும்”.



A technical article authored by Dr. K. Shanmugam from the Department of Computer Science and Engineering was published in the Dinamani newspaper on 9<sup>th</sup> January 2025.

On 24<sup>th</sup> January 2025, the Paarivendhar Student's Tamil Association organised Republic Day competitions including Speech, Essay, and Drawing contests. The winners were awarded cash prizes of Rs. 1500 for first place, Rs. 750 for second place, and Rs. 500 for third place. The awards were distributed on the 76<sup>th</sup> Republic Day celebration held on 26<sup>th</sup> January 2025.

Ms. Kavya, a third-year student from the Department of Computer Science and Engineering, won second prize in the District-level Oratorical Competition organised by the Tamil Development Department, Government of Tamil Nadu, on 23<sup>rd</sup> January 2025. She was awarded Rs. 7,000 and a merit certificate for her outstanding performance.

The Paarivendhar Student's Tamil Association organized the Pongal Vizha 2025, featuring events such as Kolam competition, traditional Pongal preparation, and Uriyadi, etc. Both staff and students actively participated, and prizes were distributed to the winners.



Research' organized by Thiagarajar College of Engineering from 17<sup>th</sup> to 22<sup>nd</sup> Feb.

Ms. U. Chindiyababy, A.P, participated in ATAL FDP on 'Smart Communication on IOT: Security & Future Applications and Possibilities' organized by St. Joseph College of Engineering from 24<sup>th</sup> Feb to 1<sup>st</sup> march.

Ms. U. Chindiyababy, A.P, participated in ATAL FDP on 'Exploring the frontiers of Computation' organized by J.P College of Engineering, Tenkasi from 3<sup>rd</sup> to 7<sup>th</sup> Feb.

Ms. U. Chindiyababy, A.P, participated in ATAL FDP on 'Sensors and their Applications organized by ST. Mother Theresa College of Engineering from 17<sup>th</sup> to 22<sup>nd</sup> Feb.

Ms. S. Shenbagavadivu, A.P, Participated in Translating the files of the course on 'Social Networks (106106169) organized by NPTEL - IIT Ropar held on 22<sup>nd</sup> January.

Dr. S. Sekar A.P received a certificate from ST. Joseph's College for Women, Department of computer Science for his outstanding performance in Linguistics with 90% on 22<sup>nd</sup> Feb.

Ms. S. Shenbagavadivu, A.P, served as a trainer for the International Level Online FDP on 'Kaninitamil' and received a certificate for her contribution, Organized by Evaluation and Education Advisory Committee of Vaagai Tamil Sangam from 2<sup>nd</sup> to 8<sup>th</sup> Feb.

Ms. M. Kanmani, A.P, received a FDP Certificate 'Future of Generative AI in Information Technology' organized by St. Joseph College of Engineering, Chennai, Department of Information Technology from 3<sup>rd</sup> to 7<sup>th</sup> Feb.

Ms. N.J. Nithya Nandhini, A.P, received an ATAL FDP Certificate 'Next - Gen Computing Exploring Super Computing AI and Quantum Technologies organized by National Institute of Technology, Sikkim from 10<sup>th</sup> to 15<sup>th</sup> Feb.

Dr. K. Revathi, A.P, Ms. S. Jonisha, A.P, received an FDP Certificate on 'Emerging Trends in Information System Security using AI & Data Science for Next - Generation Cyber Analytics' organized by Guru Nanak Dev Engineering College from 30<sup>th</sup> Dec to 4<sup>th</sup> Jan.

Dr. S. Sandhya, A.P, Ms. S. Kiruthika, A.P, received an FDP certificate 'Generative and ethical AI: Techniques with Hands - on' organized by National Institute of Technology, Tiruchirappalli from 20<sup>th</sup> January to 25<sup>th</sup> January.

Ms. S. Kiruthika, A.P, received an FDP certificate 'Quantum Computing Fundamentals and Future Directions' organized by MITADT School of Computing, Pune from 6<sup>th</sup> to 11<sup>th</sup> January.

Ms. I. Kavitha, A.P, received an FDP certificate 'Navigating the Digital Landscape: Next Gen Communication Techniques to Teaching Pedagogy and Research Writing' organized by Knowledge Institute of Technology from 20<sup>th</sup> to 25<sup>th</sup> January.

Ms. I. Kavitha, A.P, received an FDP certificate 'Next Gen AI: Innovations in Machine Learning, Deep Learning and Generative Models organized by ST. Joseph's College of Engineering & Technology, Palai from 13<sup>th</sup> to 18<sup>th</sup> January.

Dr. S. Sekar, A.P, received a Conference Certificate 'Unveiling Customer Insights: Context - Aware Product Function Analysis through Linguistic Pattern Mining and Semantic Embedding Clustering' organized by SRM Institute of Science and Technology, Kattankulathur held during 26<sup>th</sup> & 27<sup>th</sup> March 2025.

Dr. K. Revathi, A.P, received an NITTTR - Professional Development Program Certificate 'Cloud Computing for Media and OTT Platforms' organized by National Institute of Technical Teachers, Training and Research, Chennai from 24<sup>th</sup> to 28<sup>th</sup> March.

Ms. S. Jonisha, A.P, received a Conference Certificate 'Blockchain - Powered Privacy Preserving Data Sharing in Decentralized Storage Networks' organized by Prince Shri Venkateshwara Padmavathy Engineering College and Prince Dr. K. Vasudevan College of Engineering & Technology from 22<sup>nd</sup> to 23<sup>rd</sup> March.

Ms. S. Jonisha, A.P, received a Conference Certificate 'Malware Analysis and Detection using Machine Learning' organized by Velammal Institute of Technology, Department of AI&DS held on 9<sup>th</sup> March.

Ms. I. Kavitha, A.P, received a Conference Certificate 'Automated Threat Detection System Keyword and Multimedia Analysis using AI' organized by Prince Shri Venkateshwara Padmavathy Engineering College and Prince Dr. K. Vasudevan College of Engineering & Technology from 22<sup>nd</sup> March to 23<sup>rd</sup> March.

Ms. I. Kavitha, A.P, received a Conference Certificate 'Violence Detection with Real time Alert Using Deep Learning' organized by Prince Shri Venkateshwara Padmavathy Engineering College and Prince Dr.K.Vasudevan College of Engineering & Technology from 22<sup>nd</sup> to 23<sup>rd</sup> March.

Ms. I. Kavitha, A.P, received a Conference Certificate 'BERT - Based Skill Matching and NPL Driven Carrer Recommendation on System' organized by Prince Shri Venkateshwara Padmavathy Engineering College and Prince Dr. K. Vasudevan College of Engineering & Technology from 22<sup>nd</sup> to 23<sup>rd</sup> March.

Ms. U. Chindiyababy, A.P, received a Online FDP Certificate 'Recent Developments and Applications in Advanced Materials' organized by Department of Physics and Chemistry, St. Joseph College of Engineering, Chennai from 3<sup>rd</sup> to 9<sup>th</sup> March.

Ms. M. Kanmani, A.P, received a Conference Certificate 'Medicine and Medication Recommendation on System using Machine Learning' organized by Prince Shri Venkateshwara Padmavathy Engineering College and Prince Dr. K. Vasudevan College of Engineering & Technology from 22<sup>nd</sup> to 23<sup>rd</sup> March.

Ms. S. Priya, A.P, received a Conference Certificate 'Immersive Conference Management:Implementing Emerging BIM Technology with web VR' organized by Prince Shri Venkateshwara Padmavathy Engineering College and Prince Dr. K. Vasudevan College of Engineering & Technology from 22<sup>nd</sup> to 23<sup>rd</sup> March.

## Department of Artificial Intelligence & Data Science

On January 23, 2025, the Department of Artificial Intelligence and Data Science organized a guest lecture



Guest Lecture on 'Robotics and AI Trends,'

on 'Robotics and AI Trends,' delivered by Mr. Vikas Reddy, Founder and CEO of Technotran.

The Department of Artificial Intelligence and Data Science signed a Memorandum of Understanding (MoU) with Technotran, establishing a new collaboration aimed at strengthening academic and industry partnerships.



MoU with Technotran

On February 7, 2025, the Department of Artificial Intelligence and Data Science organized an industrial visit to eMudhra, Bangalore, for the third-year students, providing them with valuable exposure to real-world applications of digital identity and cyber security solutions. As part of this engagement, a Memorandum of Understanding (MoU) was also signed between the department and eMudhra, establishing a strategic partnership aimed at fostering industry-oriented learning, collaborative research, and internship opportunities for students.



Industrial Visit to eMudhra, Bangalore & Signing of MoU

On February 7, 2025, the Department of Artificial Intelligence and Data Science organized an industrial visit to the Indian Space Research Organisation (ISRO), Bangalore, for third-year students. The visit provided students with valuable insights into space research, satellite technology, and the role of AI in aerospace



Industrial visit to the Indian Space Research Organisation (ISRO)

innovations, enriching their academic experience with practical exposure to cutting-edge scientific advancements.

On February 21, 2025, the Department of Artificial Intelligence and Data Science signed a Memorandum of Understanding (MoU) with Digital Track Solutions, establishing a collaborative framework aimed at promoting academic enrichment, industry-driven training, and joint research initiatives.

On February 24, 2025, the AI Cognitron Technical Club of the Department of Artificial Intelligence and Data Science organized 'Comic Clash', a creative event where students showcased comics generated using AI tools. The event encouraged students to explore the intersection of artificial intelligence and storytelling, providing a platform to demonstrate innovation and creativity in digital content creation.

Department of Artificial Intelligence & Data Science (AI & DS) Technical Club AI COGNITRON organized 'Comic Clash', on 24<sup>th</sup> Feb 2025, a creative event where students can narrate comics made using AI tools. This was a chance for students to explore AI in storytelling and showcase creativity.

On February 24, 2025, the AI Cognitron Technical Club of the Department of Artificial Intelligence and Data Science organized 'Comic Clash', a creative and engaging event where students presented original comics generated using AI tools. The event provided a unique opportunity for students to explore the use of artificial intelligence in storytelling, while showcasing their innovation, imagination, and technical skills.



'Comic Clash' - a creative and engaging event

Dr. B. Muthusenthil Balasubramanian, Head of the Department of Artificial Intelligence and Data Science, participated in the IDEA Lab Tech Fest held at the AICTE Headquarters, New Delhi, on March 7<sup>th</sup>, 2025,



IDEA Lab Tech Fest held at the AICTE Headquarters, New Delhi

representing the department's commitment to fostering innovation and collaboration in technical education.

Final-year students of the Department of Artificial Intelligence and Data Science—Palani Chinmaye, Sandhiya, and Prabavathi—had their project titled 'AI AVATAR' selected for Naan Mudhalvan Niral Thiruvizha 2.0, recognizing their innovation and technical excellence.

On February 21<sup>st</sup>, 2025, the Department of Artificial Intelligence and Data Science organized an industrial visit to the Heartfulness Center in Manapakkam, Chennai, for second-year students. The visit offered students a unique opportunity to explore the integration of mindfulness practices with technology, promoting holistic development alongside academic learning.



Industrial visit to the Heartfulness Center in Manapakkam, Chennai

The Department of Artificial Intelligence & Data Science (AI & DS) collaboration with Rotaract SRM VEC organized a Guest Lecture on 'Empowering Ourselves' to promote personal growth, mental well-being, and self-empowerment. on 24<sup>th</sup> Feb 2025.



The Department of Artificial Intelligence & Data Science (AI & DS) collaboration with Rotaract SRM VEC organized a Guest Lecture on 'AI and its Uses' to promote personal growth, mental well-being, and self-empowerment. on 30<sup>th</sup> Jan 2025.



Guest Lecture on 'AI and its Uses'

The Project Expo, organized by the Rotaract Club of SRM Valliammai Engineering College in association with the Department of Artificial Intelligence and Data Science, was a grand event that showcased student innovation and industry collaboration. Dr. B. Muthusenthil, Head of the Department of AI & DS, delivered the welcome address, highlighting the department's commitment to fostering research and innovation. The Presidential Address was delivered by Dr. B. Chidhambararajan, Director of SRM Valliammai Engineering College, followed by a felicitation ceremony led by Dr. M. Murugan, Principal, and Dr. S. Visalakshi, Vice Principal of SRM VEC.

The event featured a distinguished panel of chief guests, including:

- Mr. Arun Chandra Senapathy, MBA (IIM), JP Morgan, Chennai
- Mr. Abinandhanan Sripal Udhaykumar, B.E., Jags Consultancy Ltd (UK), Bangalore
- Mr. Pavendan Sitharthan, MBA, PayPal @ FinTech, Chennai
- Mr. C. N. Prem Kumar, MBA, Associate Vice President, StartupTN, Chennai
- Mr. Udayakumar Srinivasan, M.Tech., Ford Motor Company, Chennai
- Mr. Gowtham Balachandhiran, B.Tech (IT), Tiger Analytics, Chennai
- Mr. Manikandan Jayababu Rangaswamy, MBA, CEO, Frigate Logistics & Movers Pvt. Ltd., Singapore

A panel discussion was also held, during which Mr. S. Srinivasan, Professor of Practice, AI & DS, was recognized for his exemplary leadership and contributions to both academic and extracurricular development within the department.

The event was seamlessly coordinated by Mr. R. Danu (Assistant Professor - OG) and Ms. R. Vaishnavi (Assistant Professor - OG), ensuring its success and impact.



Project Expo

Akash Kumar and Sheik Mohammed Rashid D, third-year students from the Department of Artificial Intelligence and Data Science, secured first prize (worth 750 each) at the National-level Technical Symposium FUTURA'25, held on March 12<sup>th</sup>, 2025.

Sathish Kumar B and Raahul Eshwar A, also third-year students from the Department of Artificial Intelligence and Data Science, won the second prize (worth 500 each) at FUTURA'25, a National-level Technical

Symposium held at Sri Sai Ram Engineering College on March 12, 2025.

Kavirajan and Mukesh N, second-year students from the Department of Artificial Intelligence and Data Science, secured the second prize at the National-level Technical Symposium TWYSTRA'25, conducted on March 17<sup>th</sup>, 2025, at R.M.K. College of Engineering and Technology.

## Department of Electronics and Communication Engineering

The Department of ECE organized a seminar on 'Applications of AI Tools in Electronics and Communication Engineering' on 5<sup>th</sup> February, 2025, in association with IIC, ISTE, IETE Students Forum, and CSI Student Branch. Mr. V. Prasanan, Assistant Professor, delivered the welcome address and introduced the guest speaker, Dr. V R S Rajesh Kumar, Co-Founder and Director of EISHAA Communication Systems Pvt. Ltd, Chennai. Around 114 ECE students participated. The speaker highlighted AI's applications in circuit design, signal processing, 5G/6G, IoT, embedded systems, cybersecurity, speech recognition, and RF/microwave engineering. Real-world examples like NVIDIA's AI-designed chips and AI-driven telecom maintenance were shared. The session also covered career paths, skills, salary trends and higher education options in AI, mentioning top research labs and global funding schemes. The event was successfully coordinated by Mr. V. Prasanan and Ms. S. Abirami under the guidance of Dr. Komala James, Professor & Head. The vote of thanks was proposed by Ms. S. Abirami.



Seminar on 'Applications of AI Tools in Electronics and Communication Engineering'

The Department of Electronics and Communication Engineering organized a Research Facility Training Programme on 14<sup>th</sup> February, 2025 under the DST-SERB funded project titled 'Convergence of Energy Harvesting and Cooperative Communication Network towards the Emergence of Smart Cities' as part of the Scientific Social Responsibility (SSR) initiative. The event welcomed 40 research scholars from various institutions, encouraging collaborative learning. Ms.S.Logapriya, Project Assistant, delivered the welcome address, followed by an inaugural address and expert session by Dr. Komala James on the role of technology in smart cities. Dr. N. Subhashini, Project Investigator, provided an overview of the project and led a technical session on cooperative communication in urban networks. Practical demonstrations showcased real-time applications, enhancing participant understanding. Ms.Logapriya

concluded the programme with a session on energy harvesting and its relevance to sustainable smart city development. The training was well-received, offering valuable insights and hands-on exposure to emerging technologies shaping future cities.



FTP under DST-SERB funded project on 'Convergence of Energy Harvesting and Cooperative Communication Network towards the Emergence of Smart Cities'

As part of the Scientific Social Responsibility (SSR) Category C activity for the DST-SERB funded project, Dr.N.Subhashini, Project Investigator, and Ms.S.Logapriya, Project Assistant, conducted a session at Tagore Engineering College, Chennai on 10<sup>th</sup> March 2025. Dr.Subhashini delivered a lecture titled 'Unleashing the Power of Energy Harvesting for Cooperative Communication Networks.' The session covered energy harvesting technologies, their integration with wireless networks, and their role in smart city development. Emphasis was placed on sustainable communication, smart grids, and intelligent transportation. Students actively participated, exploring the future applications of energy-harvesting in real-world urban environments.



Social Responsibility (SSR) Category C activity for the DST-SERB funded project

As part of the Scientific Social Responsibility (SSR) Category C activity under the DST-SERB funded project, a knowledge dissemination session was conducted at SRM Public School, Chennai, on 13<sup>th</sup> March 2025. Dr.Komala James, Professor and Head/ECE, introduced the project, followed by an insightful lecture by Dr.N.Subhashini, Project Investigator, titled 'Self-Sustainable Environmental Monitoring using RF Energy Harvesting in Smart Cities'. The session focused on the significance of RF energy harvesting in powering wireless sensor networks (WSNs) for real-time environmental monitoring. Students learned how RF energy harvesting reduces reliance on traditional power sources by utilizing ambient signals, enhancing sustainability and efficiency. The session covered energy harvesting methods, energy-efficient communication, and smart city applications including intelligent

transportation, smart grids, and IoT-based systems. Global and national smart city initiatives were also discussed. Active student participation highlighted interest in the topic, making the session a valuable platform to inspire future innovators in sustainable urban technology.



DST-SERB funded project, a knowledge dissemination session at SRM Public School, Chennai

The Department of ECE conducted an 'Expert Lecture on Applications of Machine Learning in Electronics' on 14<sup>th</sup> March, 2025, in association with IIC, ISTE, IETE Students Forum, and CSI Student Branch. Dr. C. Kavitha, Assistant Professor, delivered the welcome address and introduced the guest speaker, Dr. R. Nagaraj, Associate Professor, Department of AI/ML, Sri Sairam Engineering College, Chennai. The speaker elaborated on ML algorithms such as Decision Tree, Random Forest, SVM, and Adaboost, with applications in Smart Aquaculture, Precision Agriculture, Healthcare, IoT and embedded systems. Topics like NLP, robotics and RF/microwave engineering were also discussed. Real-time examples, including dissolved oxygen prediction using ensemble models, enriched the session. The presentation also explored ML tools, job opportunities, required skills, salaries and higher education options for ECE students. The event was successfully coordinated by Mr. A. Pandian and Dr. C. Kavitha under the guidance of Dr. Komala James, Professor & Head. Mr. A. Pandian proposed the vote of thanks.



'Expert Lecture on Applications of Machine Learning in Electronics'

Mr. K.R. Ganesh, Assistant Professor in the Department of Electronics and Communication Engineering, organized an industrial visit for III ECE Section-1 students on 21<sup>st</sup> February, 2025 and 22<sup>nd</sup> February, 2025 to Kerala Electrical & Allied Engineering Co. Ltd., Traco Cable Company Ltd., Relks Electric Power, and Masco Tea Factory. Faculty members Mr. A. Pandian (Sr.G)/ECE and Ms.T.Athisaya Anushya (O.G)/ECE

accompanied them. Students observed the manufacturing of transformers, switchgear, cables, and power distribution systems, gaining insights into industrial and commercial applications. At Masco Tea Factory, they explored tea processing and packaging, learning about automation and its role in enhancing production efficiency.



Industrial Visit to Relks Electric Power, Kerala

Mr. K.R. Ganesh, Assistant Professor in the Department of Electronics and Communication Engineering, organized an industrial visit for III ECE Section-3 students on 14<sup>th</sup> March, 2025 and 15<sup>th</sup> March, 2025 to KSEB Lower Periyar House, Kanna Devan Tea Factory, Kerala Electrical & Allied Engineering Co. Ltd., and Keltron Controls Ltd. Faculty members Mr.S.Marirajan (Sr.G)/ECE and Dr.K.Durgadevi (O.G)/ECE



Industrial Visit to Keltron Controls Ltd., Kerala

accompanied the students. At KSEB Lower Periyar House, students observed hydroelectric power generation, learning about renewable energy's impact on the power grid. The visit offered hands-on exposure to industrial processes, automation, electrical equipment manufacturing, and power distribution technologies across multiple sectors.



Industrial Visit to Kerala Electrical & Allied Engineering Co. Ltd.

Dr. J. Logeswaran, Assistant Professor in the Department of Electronics and Communication Engineering, organized an industrial visit for II ECE Section-3 students to Sans Bound Solutions, Chennai, on 27<sup>th</sup> March, 2025. During the visit, students were exposed to a wide array of technologies, including smart energy solutions, IoT-based systems, and advanced automation tools. The experience provided valuable insights into how these technologies enhance efficiency and promote sustainability across various industrial applications.

Mr. K.R Ganesh, Assistant Professor in the Department of Electronics and Communication Engineering, organized an industrial visit for II ECE Section -1 students to Kodungaiyur Sewage Treatment Plant on 28<sup>th</sup> March, 2025. During the visit to the Kodungaiyur Sewage Treatment Plant, students had the opportunity to explore the various stages of the sewage treatment process, which included primary, secondary, and tertiary treatment systems. The visit also emphasized the importance of control system and sustainable waste management practices and how the plant plays a vital role in protecting public health and preserving local water resources.

Dr. N. Jothy, Assistant Professor, published a paper titled 'Emo-Tune: Harnessing Emotion -Based Music for Patient Wellness' in Lecture notes in networks and systems, January 2025, indexed in Scopus.

Dr. Komala James, Professor and Head of the Department of ECE, delivered a guest lecture on the topic 'The Role of Universal Values in Fostering Health and Harmony' at Sri Manakula Vinayagar Engineering College on 25<sup>th</sup> March 2025.

Dr. Komala James, Professor and Head of the Department of ECE, served as the Chief Guest for the Tamil Mandram event on the topic 'The Antiquity and Beginnings of Telecommunications' held at SRM Valliammai Engineering College on 24<sup>th</sup> February 2025.

Dr. Subhashini Neelamegam, Associate Professor, and Ms. S. Logapriya, Project Assistant, published a research article titled 'Real-Time Low-Power Air Quality Monitoring With ESP-NOW Based Sensor Nodes' in Gradiva Review Journal, Vol.11, Issue 3, March 2025 (DOI: 10.37897.GRJ.2023.V11I3.25.5141017), indexed in Scopus.

Dr. Subhashini Neelamegam, Associate Professor along with Mr. S. Hariharan, Mr. A. Hariharan, Mr. G. Hariharan, and Mr. J. Jayadhanraj, presented a paper titled 'Machine Learning-Powered Predictive Maintenance for Fleet Management' at the 9<sup>th</sup> International Conference on Engineering, Technology and Science (ICETS'25) held at Muthayammal College of Engineering, Rasipuram, on 28<sup>th</sup> March 2025.

Dr. N. Jothy, Assistant Professor along with Mr. T. Siva Balan, Ms. V. Saskia, Mr. M. Saravana Selva Vinayagam and Ms. S. Silviya Henin, presented a paper titled 'An Enhanced Plant Disease Detection and Real-Time Environmental Monitoring' at the 9<sup>th</sup> International Conference on Engineering, Technology and Science (ICETS'25) held at Muthayammal College of Engineering, Rasipuram, on 28<sup>th</sup> March 2025.

Dr. J. Premalatha, Associate Professor along with Mr.S.Yokesh, Mr. L.S Krishangan Shavnav, Ms. Vuyyala

## Department of Physical Education



Our SRM VEC student Ms.U.Srilekha III - EIE represented Andhra Pradesh team and won the Silver Medal in the 69<sup>th</sup> Junior National Ball Badminton Women Championship 2024-25, held at Nagpur, Maharashtra from 18<sup>th</sup> to 21<sup>st</sup> January 2025.

Our SRM VEC students won the Silver Medal in the Riviera Sports Fest National level Badminton Men Tournament held at VIT, Vellore on 12<sup>th</sup> & 13<sup>th</sup> February 2025.

Our SRM VEC students won the Bronze Medal in the Vibsports 25 All India Inter Collegiate Badminton Men Tournament held at VIT, Chennai on 19<sup>th</sup> & 20<sup>th</sup> February 2025.

Our SRM VEC team won the Silver Medal in the SSN Trophy 2025 All India Inter Collegiate Tennis Men Tournament held at SSN Engineering College from 26<sup>th</sup> to 28<sup>th</sup> February 2025.

Our SRM VEC team won the Bronze Medal in the SSN Trophy 2025 All India Inter Collegiate Basketball Women Tournament held at SSN Engineering College from 26<sup>th</sup> to 28<sup>th</sup> February 2025.

SRM VEC team won the Silver Medal in the State level Inter Collegiate Seetharaman & Lakshmiammal Memorial Trophy 2025 Badminton Men tournament organised by Sri Sairam Engineering College from 14<sup>th</sup> to 15<sup>th</sup> February 2025.

Our SRM VEC Ball Badminton Men & Women teams participated and qualified to quarter finals in the Crescent Founders Trophy 2025 Inter College Ball Badminton Tournament organized by BSA Crescent Institute of Technology, Chennai, from 18<sup>th</sup> to 19<sup>th</sup> February 2025.

Our SRM VEC faculties Dr.N.Ganapathy & Dr.K.Thirupathi team participated in the All India Level Inter Collegiate Faculty Badminton Men Tournament 2025 organised by VIT, Chennai on 22<sup>nd</sup> February 2025.

Our Ball Badminton Men & Women teams along with Dr.N.Ganapathy, DPE, participated and made 'Ball Badminton High Service Nova World Record' organized by SRM Institute of Science and Technology, Chennai from 27<sup>th</sup> to 28<sup>th</sup> February 2025.

Our SRM VEC Teams (Badminton Men, Basketball Men, Cricket Men and Football Men) participated SSN Trophy 2024 All India level Inter Collegiate Tournament organized by SSN Engineering College from 26<sup>th</sup> to 28<sup>th</sup> February 2025.

Department of Physical Education successfully organized College Day Sports Events for staff from 3<sup>rd</sup> to 7<sup>th</sup> February and for the students from 17<sup>th</sup> to 21<sup>st</sup> February 2025.

Our SRM VEC Ball Badminton Women team won the Fourth Place in the Anna University Inter Zonal Tournament 2024-25 organized by PSNA CET, Dindugul, from 15<sup>th</sup> to 16<sup>th</sup> March 2025.

Our SRM VEC student Mr. Mohammed Mustak, IV-Civil, selected and represented to the Anna University team and participated in the All India Inter University Ball Badminton Men Championship 2024-25, held at North Bangalore University, Karnataka, from 14<sup>th</sup> to 17<sup>th</sup> March 2025.

The Department of Physical Education successfully organized Sports Achiever's Day 2025 Events on 19<sup>th</sup> March 2025.



Suchithra, and Ms. R.M. Divyadharshini, presented a paper titled 'Smart Wildlife Detection and Reporting System' at the 9<sup>th</sup> International Conference on Engineering, Technology and Science (ICETS'25) held at Muthayammal College of Engineering, Rasipuram, on 28<sup>th</sup> March 2025.

Ms. S. Abirami, Assistant Professor along with Mr.N.Narendran, Mr. P. Palaniappa, Ms. T. Dishyani, and Mr. B. Arunprakash, presented a paper titled 'An Enhanced Plant Disease Detection and Real-Time Environmental Monitoring' at the 9<sup>th</sup> International Conference on Engineering, Technology and Science (ICETS'25) held at Muthayammal College of Engineering, Rasipuram, on 28<sup>th</sup> March 2025.

Mr. Abdul Hadi, Mr. S. Allen Ronald, Mr. A. Cibi Sakresh, and Dr. N. Subhashini, Associate Professor, presented a paper titled 'Real-Time Environmental Monitoring Using ESP-NOW Based Wireless Sensor Network for Sustainable Agriculture' at the IEEE International Conference on Experts Clouds and Applications (ICOECA 2025), in March 2025, indexed in Scopus.

Mr. P. Kathirmukilan, Ms. J. Infant Rakshanaa, Ms.N.Jeyavarshini, Mr. N. Jayasurya, and Dr. Subhashini Neelamegam published a patent titled 'Ensemble Algorithm Based Predictive Analysis of Air Quality Using ZPHS01B Sensor Data' (Patent Application No. 202541016757), published in the Indian Patent Journal on 21<sup>st</sup> March 2025.

Dr. C. Saravanakumar, Assistant Professor (Sel. Gr.), and Dr. N. Subhashini, Associate Professor, published a patent titled 'Method and System for Secure Data Transmission Using DNA-Based Audio Signal Encryption' (Patent Application No. 202541019501), published in the Indian Patent Journal on 21<sup>st</sup> March 2025.

Mr. C.S. Abishek Prasad, a III year ECE student, won the Third Prize in the technical event Hypothesis Hub (VIDYUTREND) organized by the Department of ECE, Chennai Institute of Technology on 4<sup>th</sup> February 2025.

Mr. R. Gowtham, a II year ECE student, won the Second Prize in Circuit Wars (Technical Event) conducted during Vidyutrenz on 4<sup>th</sup> February 2025.

Mr. C.S. Abishek Prasad and Mr. M. Dhinesh, III year ECE students, secured the Second Prize in Project Presentation at INTBOT'25, organized by SRM Institute of Science and Technology, Ramapuram on 7<sup>th</sup> February 2025.

Mr. R. Gowtham, a II year ECE student, won the Second Prize in Basketball conducted under Intramural Sports at SRM Valliammai Engineering College on 18<sup>th</sup> February 2025.

Mr. S. Tarun Kumar, a II year ECE student, won the Third Prize in the Inventory Showcase event held at SRM Easwari Engineering College on 21<sup>st</sup> February 2025.

Ms. R. Bhargavi, a III year ECE student, won the Second Prize in Electro Wars conducted by Tagore Engineering College on 21<sup>st</sup> March 2025.

Mr. G. Prithviraj and Mr. D.J. Felix Alwin, II year ECE students, won the First Prize in the Project Expo conducted by SRM Easwari Engineering College on 22<sup>nd</sup> March 2025.

Mr. M. Dhinesh, a III year ECE student, secured the First Prize in Teckfest Project Expo conducted by Tagore Engineering College on 25<sup>th</sup> March 2025.

Mr. C.S. Abishek Prasad, Mr. M. Dhinesh and Mr. S.S. Giresh Branav, III year ECE students, won the First Prize in PUDHU YUGAM-2025, a Project Expo organized by the Department of AI&DS, SRM Valliammai Engineering College on 25<sup>th</sup> March 2025.

## Department of Electrical and Electronics Engineering

The Department of EEE organised a Guest lecture on the topic 'Modern Embedded tools for Electrical Engineering' on 7<sup>th</sup> February 2025. The Resource person was Mr. M. Ramkumar Gopinath, Assistant General Manager, Stellantis, India.



Guest lecture on the topic 'Modern Embedded tools for Electrical Engineering'

Third year EEE students went on an Industrial visit in Kerala Electrical & Allied Engineering Co.Ltd, TRACO Cable Co.Ltd and Nestsoft Technologies, Kochi from 7<sup>th</sup> to 8<sup>th</sup> February 2025.



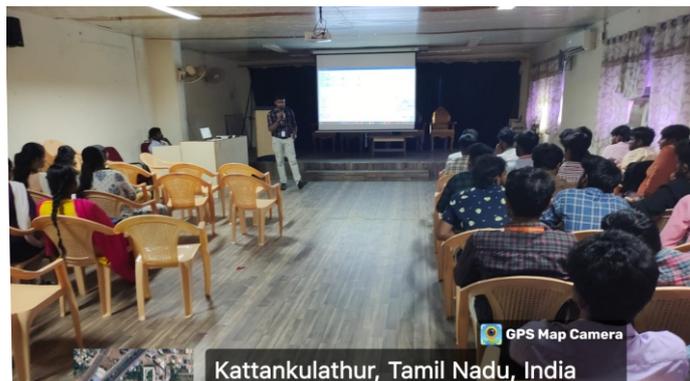
Industrial visit in Kerala Electrical & Allied Engineering Co.Ltd

The Department of EEE organised a Seminar on the topic 'EV: Electric Vehicle: Opportunities and Challenges' on 21<sup>th</sup> February 2025. The Resource person was Mr.Srinivasan Balu, Senior Analyst, Onward Tech Onsite-Caterpillar India Private Limited, Chennai.



Seminar on the topic 'EV: Electric Vehicle: Opportunities and Challenges'

The Department of EEE organised a Seminar on the topic 'Emerging Trends in Sustainable Solar Energy Technology' on 5<sup>th</sup> March 2025. The Resource person was Er. T. Mathusoothanan, Sr.Power System Engineer (Renewable), Power Projects, SIDCO Industrial Estate, Guindy, Chennai.



Seminar on the topic 'Emerging Trends in Sustainable Solar Energy Technology'

The Department of EEE organised a Workshop on the topic Workshop - 'Unlocking Creativity: Exploring 3D Printing' on 13<sup>th</sup> March 2025. The Resource person was Dr. Arun Kumar. E, Vice President, RETECH Solutions Private Limited, Chennai.

Dr. K. Elango, Professor & Head, has attended a one-day NBA Awareness Workshop on Outcome Based Education and Accreditation on 9<sup>th</sup> February 2025. The programme was sponsored by the National Board of Accreditation [NBA] and was organized in collaboration with Anna University, Chennai.

Dr.K.Elango, Professor & Head published a paper titled, 'An Early Detection of Insects using AI Techniques of Particle Swarm Optimization with Fuzzy Logic', International Conference on One Health Perspective in Global Plant Protection Research 2025.

Mr.V.Sudhagar, AP(Sr.G) published an SCI Journal titled, 'An Efficient Archerfish Hunting Optimizer (AHO)-Based Power Quality Improvement in Distribution

System Connected UPQC', IETE Journal of Research. DoI: <https://doi.org/10.1080/03772063.2024.2404255>.

Ms.R.Elavarasi, AP(OG), published a Scopus paper titled, 'A Concise Review of Hydrogen Production from Renewable Energy Sources with Focus on Solar, Wind, Tidal, Geothermal and Biomass', Power System Technology, Vol.49, No 1,2025.

Final year students Pragaadesh C, Praveen Kumar. M, Palla Yeswanth and Elango K, Professor & Head published a paper titled, 'Revolutionizing Farming: Precision Agriculture Powered by Drone Technology', International Conference on One Health Perspective in Global Plant Protection Research 2025.

Final year students Mounika. M, Sachin Sharma. S, Selvaprakash. S and Elango. K, Professor & Head published a paper titled, 'Smart Crop Damage Assessment and Alert System using Machine Learning', International Conference on One Health Perspective in Global Plant Protection Research 2025.

## Department of Electronics and Instrumentation Engineering

The Dept. of EIE in association with the ISA VMEC Student Charter and ISTE organized the following programmes.

A Guest Lecture on 'E3CAD and AUTOCAD in Industrial Applications' was delivered by Mr.M.Devendran, M.E., Lead Engineer, Electrical and Instrumentation Dept., Mechcad Engineering Pvt. Ltd., Chennai on 22<sup>nd</sup> January 2025.



Guest Lecture on 'E3CAD and AUTOCAD in Industrial Applications'

A Workshop on 'Programming PLC and DCS' was delivered by Mr.K.Ilanchezhian, B.E., Manager -Technical, Shree Technologies, Coimbatore on 12<sup>th</sup> February 2025.



Workshop on 'Programming PLC and DCS'

## Department of Placement & Career Guidance

During the period from January to February 2025, a total of 38 companies visited our college and 237 students were selected. The following is the list of companies visited our college.

Teceze, Larsen & Toubro Limited (M.E), Skill Intern (Bangalore), Sutherland Global Services Ltd., Ascendion, OHMS, Wolvio Solutions, Technogics Global, Stryker India Pvt Ltd, Protechsoft, Tritan Works Pvt Ltd, SONA COMSTAR, HITACHI ENERGY, Amvion Labs, TCS Codevita, SHOBA DEVELOPERS , Elisar Vision Technology, Agrawal Infracon Pvt Ltd, Mayo Technology, Avasoft, Zifo, Zensar, Federal Bank, Emerson Electric co., Zoho Corp, Keycoders.com, Suba Solutions Pvt Ltd, AGNIKUL COSMOS Pvt Ltd, MADRAS ENGINEERING INDUSTRIES, Wipro (48), TCS (Hackquest), Sharda Motor Industries, Agile Robots, Bonfiglioli , Deloitte, Jain Housing (MBA, Civil), Movate, Hyosung T&D India.

A Seminar on 'IOT Development with Python and Raspberry Pi' was delivered by Mr.E.Arun Kumar, M.E., Vice President, Retech Solutions Pvt.Ltd., Chennai on 12th March 2025.



Seminar on 'IOT Development with Python and Raspberry Pi'

The Second year and Third year U.G students of the Dept. of EIE visited the Brakes India Pvt. Ltd., and Sundaram Fasteners Limited., Chennai on 30<sup>th</sup> January 2025.



Industrial Visit to Brakes India Pvt. Ltd.

The Second year U.G students of the Dept. of EIE visited the Pantech Solutions Pvt. Ltd., Chennai on 18<sup>th</sup> February 2025.



Industrial Visit to Pantech Solutions Pvt. Ltd., Chennai

The Third year U.G students of the Dept. of EIE visited the Technocrat Automation, Chennai on 27<sup>th</sup> February 2025.



Industrial Visit to Technocrat Automation, Chennai

The Second and the Third year U.G students of the Dept. of EIE visited the Science City Exhibition, Chennai on 27<sup>th</sup> March 2025.



Industrial Visit to Science City Exhibition, Chennai

Ms. K. S. Jaibhavani A.P (Sl.G), Mr. B. Parameswaran A.P (Sr.G), V.S.Abiramana, M.Elakkiya, N.Yuvasree and A.Tariq published a patent titled 'Sustainable Smart System for Hydroponic Farming' on 21<sup>st</sup> March 2025.

Dr. K. Ayyar Professor and Head, Mr. K. R. Ganesh A.P (Sr.G), Harini Preetha.K, Preetha Sree.K, Priyadharshini.S and Subashini.R published a patent titled 'Surveillance Wearable Safety Device for Women using Raspberry PI' on 10<sup>th</sup> March.2025.

Dr.S.Visalakshi Professor and Vice Principal, C.Praveen Kumar A.P (Sr.G), R.Amhrutha Vahini, A.Kathir, J.Mokesh and S.Suryaprasath filed a patent titled 'Smart Shopping Trolley with Billing System' on 07<sup>th</sup> April 2025.

Mr. P.Tamilmani AP (Sl.G), Dr.V.Srinivasan A.P (O.G), S.Dhansuhkumar, A.Manikandan and G.Sabari filed a patent titled 'Iot- Driven Microseismic Sensing System and Monitoring Platform for Landslide Detection' on 16<sup>th</sup> April 2025.

Dr. M. Banu Sundaeswari AP (Sl.G), Rohan Beno R, Srinivasan A.T, Sriram S, and Thamizhkumaran.M published a patent the titled 'Shape Memory Alloy Based Glove for Hand Rehabilitation' on 28<sup>th</sup> March, 2025.

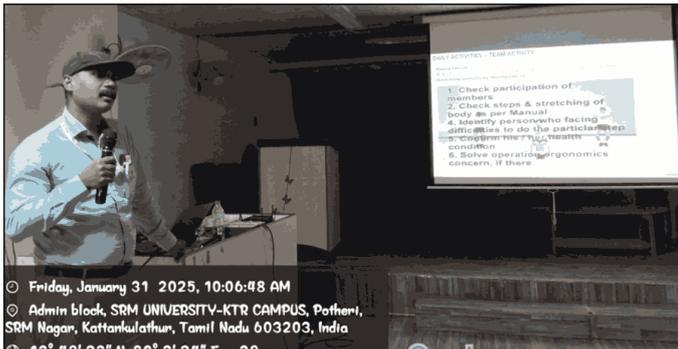
Dr. M.Joe Marshall AP (Sr.G), R.Lalesikamani, S. Priyanka, V.Veenashri and P.Yuvarani published a patent the titled 'Smart Waste Management System' on 21<sup>st</sup> March 2025.

P.Tamilmani AP (Sl.G), Dr.V.Srinivasan A.P (O.G), S.Dhansuhkumar, A.Manikandan and G.Sabari published a paper titled 'Iot- Driven Microseismic Sensing System and Monitoring Platform for Landslide Detection' in Journal of Emerging Technologies and Innovative Research, Volume 12, Issue 4, April 2025.

Dr. K. Ayyar Professor and Head, Mr. K. R. Ganesh A.P (Sr.G), Harini Preetha.K, Preetha Sree.K, Priyadharshini.S and Subashini.R published a paper titled 'Surveillance Wearable Safety Device for Women using Raspberry PI' in Journal of Emerging Technologies and Innovative Research, Volume 12, Issue 3, April 2025.

## Department of Mechanical Engineering

The Department of Mechanical Engineering, in association with the Society of Automotive Engineers, Renewable energy club, Indian Society for Technical Education, Institution's Innovation Council and Industry-Institute Partnership Cell organised a Guest lecture on 'Recent Trends in Manufacturing Processes' on 31<sup>st</sup> January 2025. 71 participants including faculty members and students from our college participated in this Guest lecture. The guest speaker was Mr.A.Shanmugasundaram, Sr. Engineer, Renault Nissan Automotive India Pvt Limited, Chennai.



Guest lecture on 'Recent Trends in Manufacturing Processes'

The Department of Mechanical Engineering, in association with the Society of Automotive Engineers, Renewable energy club, Indian Society for Technical Education, Institution's Innovation Council and Industry-Institute Partnership Cell organised a Guest lecture on 'Advancement in Materials Technology' on 6<sup>th</sup> February 2025. 78 participants including faculty members and students from our college participated in this Guest lecture. The guest speaker was Mr.M.Arunachalam, Senior Manager - Chassis Engg - Design & Development, Renault Nissan Technology & Business Centre India.



Guest lecture on 'Advancement in Materials Technology'

The Department of Mechanical Engineering, in association with the Society of automotive Engineers, Renewable energy club, Indian Society for Technical Education, Institution's Innovation Council and Industry-Institute Partnership Cell organised a Guest lecture on 'Recent Trends in Automotive Industry' on 21<sup>st</sup> February 2025. 57 participants including faculty members and students from our college participated in this Guest lecture. The guest speaker was Mr.GMageshkumar, Head-R&D, IVW Private Ltd., Chennai.



Guest lecture on 'Recent Trends in Automotive Industry'

The Department of Mechanical Engineering, in association with the Society of automotive Engineers, Renewable energy club, Indian Society for Technical Education, Institution's Innovation Council and Industry-Institute Partnership Cell organised a National safety week lecture on 'Safety Management in LPG Bottling plant' on 5<sup>th</sup> March 2025. 65 participants including faculty members and students from our college participated in this Guest lecture. The guest speaker Dr. G. Pandian, Rtd Senior Manager, Indian Oil Corporation Ltd, Chennai.

The Department of Mechanical Engineering, in association with the Society of automotive Engineers, Renewable energy club, Indian Society for Technical Education, Institution's Innovation Council and Industry-Institute Partnership Cell organised a National safety week lecture on 'Safety Management in Automobile Industries' on 6<sup>th</sup> March 2025. 65 participants including faculty members and students from our college participated in this Guest lecture. The guest speaker Mr. R. Dharanivasan, Assistant manager, India Yamaha motors, Sriperumbudur, Kancheepuram.

The Department of Mechanical Engineering, in association with the Society of automotive Engineers, Renewable energy club, Indian Society for Technical Education, Institution's Innovation Council and Industry-Institute Partnership Cell organised a Guest lecture on 'Advances in Industry 4.0' on 14<sup>th</sup> March 2025. 40 participants including faculty members and students from our college participated in this Guest lecture. The guest speaker Mr. R. Vignesh, TVS industrial trainer, TVS training centre Ltd, Chennai.



Guest lecture on 'Advances in Industry 4.0'

The Department of Mechanical Engineering, in association with the Society of automotive Engineers, Renewable Energy Club, Indian Society for Technical Education, Institution's Innovation Council and Industry-

Institute Partnership Cell organised a Guest lecture on 'Legal compliance followed in manufacturing industry' on 19<sup>th</sup> March 2025. 94 participants including faculty members and students from our college participated in this Guest lecture. The guest speaker Mr.R.Shyam sundar, M.Tech., Heat and Control Pvt Ltd, Chennai.



Guest lecture on 'Legal compliance followed in manufacturing industry'

The Second-Year Mechanical Engineering students went on a one-day industrial visit to Asahi India Glass Ltd, Sriperumbudur, Chennai on 1<sup>st</sup> March 2025.



Industrial visit to Asahi India Glass Ltd, Sriperumbudur

Final-Year Mechanical Engineering Students V.Kugan, K.Maneshnidhi, K.T.Manikandan and Mohammed Rifath completed a project titled 'Electric bike with gear assisted manual pedal system' under the guidance of Mr.G. Rajesh Selected for financial assistance of Rs 7,000 from the college management.

## Department of Medical Electronics

The Department of Medical Electronics organized an Expert Lecture on 'Biosensors and Bio nanotechnology' in association with IIPC, IIC, ISTE, IETE Student's forum & SRM VEC - CSI student branch, on 20<sup>th</sup> February 2025, for the benefit of Medical Electronics students. The event



Expert Lecture on 'Biosensors and Bio-Nanotechnology'

started with welcome address delivered by the Convener of the event, Dr. N. Usha Bhanu, HOD - MDE, Ms. S. Santhishni, II-year student, Department of MDE introduced the resource person. The Resource person was Dr. S. Vimalraj, Assistant Professor (DST - INSPIRE Faculty Extension - SERB Research Scientist), Applied Mechanics and Biomedical Engineering, Indian Institute of Technology, Madras delivered the lecture on Bionanotechnology. Around 41 students of MDE attended the expert lecture. The lecture focused on Biomaterials for Tissue Engineering and Tumor Angiogenesis. He also focused on the project work of bionanomaterials and the opportunities available in the emerging medical field era. Ms. S. P. Raagapurani, III-year student, delivered the vote of thanks and thanked the Management, Director, Principal, Vice Principal, HOD-MDE and faculty members for their support and guidance. She also thanked the resource person for accepting the invitation to deliver the lecture and finally thanked the students for their involvement and in making this event a grand success.

The Department of Medical Electronics conducted a Value-Added Course titled 'Training on Advanced Critical Care Biomedical Equipments - A Problem-Solving Approach' on 1<sup>st</sup>, 8<sup>th</sup>, 15<sup>th</sup> and 29<sup>th</sup> March 2025 for the benefit of first, second- and third-year Medical Electronics students with a total strength of 34 students. The Resource person was Mr. Vinoth Kumar - Managing Director and Ms. Jayasri - Chief Training Officer & Programme Coordinator from KAV Biomedicals Equipment Training and Educations, Madurai. The students received comprehensive training on a range of biomedical equipment, with in-depth focus on: Patient Monitoring Systems: including three-parameter, five-parameter, and seven-parameter systems, Electrocardiogram (ECG) devices, Heart Defibrillators and Pacemakers. The primary objective of this course was to deliver hands-on training in critical care equipment, aiming to enhance students' theoretical knowledge while developing practical skills essential for effective performance in real-world hospital settings.

The Department of Medical Electronics organized a one-day hospital visit to Sree Balaji Medical College and Hospital, Chrompet for III-year MDE students on 14<sup>th</sup> March 2025. This visit offered a valuable and insightful overview of the diverse departments and operational processes involved in medical diagnosis and patient care.



A one-day hospital visit to Sree Balaji Medical College and Hospital, Chrompet

Dr. N. Usha Bhanu, Prof & Head participated in the NBA Awareness Workshop on 'Outcome Based Education

and Accrediation' sponsored by NBA in collaboration with Anna University, Chennai on 9<sup>th</sup> February 2025.

Mrs. V. P. Sandhya & Mr. C. Satheeswaran, AP - MDE, attended DST - SERB Sponsored Research Facility Training Program under the project 'Convergence of Energy Harvesting and Cooperative Communication Network in the Emergence of Smart Cities organized by Department of ECE, SRM Valliammai Engineering College on 14<sup>th</sup> February 2025.

Dr. N. Usha Bhanu, Prof & Head & Mrs. V. P. Sandhya, AP - MDE participated in the one-week FDP on 'Advances in Artificial Intelligence for Image Processing and Medical Applications' jointly organized by Electronics and ICT Academy, NIT Patna under the 'Scheme of Financial Assistance for setting up of Electronics and ICT Academies (Phase - II) by the MeitY on 3<sup>rd</sup> to 7<sup>th</sup> March 2025.

Kiruthiga S S and Kiruthika M, IV MDE attended an Internship programme titled 'SIEMENS NX CAD' at MIT, Chrompet from 20<sup>th</sup> to 31<sup>st</sup> January 2025.

K. Deepan Chakravarthy, II MDE, was awarded - First Prize in the event 'Cinematic' organized by the Department of Mechanical Engineering, Chennai Institute of Technology on 17<sup>th</sup> February 2025.

S. Santhosh Kumar, Pradeep Kumar T, Naresh Kumar M, Eshwar K, Jayandhan T. K, and Sabari L. K, II MDE participated in AUTOGENIX - an Intercollege Workshop on 'Industrial Automation' conducted by Government College of Technology IEEE SB-81571, Coimbatore on 18<sup>th</sup> and 19<sup>th</sup> February 2025.

Jaswanthkumaar K, II MDE attended Hands on Training on 'Ambulance Based Critical Care Equipment's organized by the Department of Biomedical Engineering, Chennai Institute of Technology on 18<sup>th</sup> February 2025.

Akshaya S, Sowmya S - IV MDE and Dr. N. Usha Bhanu, Professor and Head presented a paper titled 'Machine Learning Based Diagnosis of Diabetes Mellitus using Electronic Nose' in the 13<sup>th</sup> International Conference on Contemporary Engineering and Technology 2025 organised by OSJET in collaboration with Samarkand State University, Uzbekistan in association with Prince Shri Venkateshwara Padmavathy Engineering College on 22<sup>nd</sup> March 2025.

Hinduja Shri M.G. participated in the International Workshop on 'Innovative XR Solutions: 3D Modeling and APP Development' organized by the Department of Biomedical Engineering, Sri Sivasubramanian Nadar College of Engineering on 24<sup>th</sup> & 25<sup>th</sup> March 2025.

Abinaya S, Adhithya Sudheevan - IV MDE and Mrs. V.P.Sandhya, AP - MDE were sanctioned an amount of Rs.4000/- for the project titled 'Health monitoring and smart glove enabled wheel chair navigation system' by SRM Valliammai Engineering College.

## Department of Computer Applications

Mr.M.Asan Nainar, Assistant Professor (Sel.G.) participated in the DST SERB Sponsored Research Facility Program under the project 'Convergence of Energy Harvesting and Cooperative Communication Network in the Emergence of Smart Cities' organized by

the Department of Electronics and Communication Engineering, SRM Valliammai Engineering College on 14<sup>th</sup> February 2025.

Dr. Ponmozhi K, Associate Professor completed the AICTE Training and Learning (ATAL) Academy Faculty Development Program on AI-Driven Growth: Shaping India's Economy and Global Leadership at MCT'S Rajiv Gandhi Institute of Technology, Mumbai from 24<sup>th</sup> Feb to 1<sup>st</sup> March 2025.

Ms. Revathy D, Assistant Professor participated in a 6-Day Faculty Development Programme on 'Exploring Next Generation Smart Solutions' organized by the Department of Information Technology, Sri Sivasubramaniya Nadar College of Engineering during 17<sup>th</sup> March to 22<sup>nd</sup> March 2025.

Mr.M.Asan Nainar, Assistant Professor (Sel.G.) received Elite category certification for the NPTEL course titled 'Python for Data Science' during the period Jan-Feb 2025.

Mr.Rahulraagav M.R. presented a paper in a National Level Technical Symposium organized by Department of Information Technology, Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Avadi, Chennai on 24<sup>th</sup> & 25<sup>th</sup> February 2025.

Ms. Blessing Bowmi J and Mr.Chandrasekar K presented a paper in the Second International Conference on Current Trends in Modernized Computing and Communication Technologies - ICMCCT'25 organized by Department of Scientific Computing, Institute of CSE, SIMATS, Thandalam , Chennai on 26<sup>th</sup> & 27<sup>th</sup> March 2025.

Mr. Arun Kumar S, Mr. Dinakaran K, Ms. Kamalini S , Mr.Kumanan S , Mr. Prashanth R, Ms. Sivasankari M successfully completed and passed an online certification exam titled 'Java' test conducted by the Spoken Tutorial Project, IIT Bombay on January 28<sup>th</sup> 2025.

Ms. Keerthana R passed an online certification exam titled 'Linux' test conducted by the Spoken Tutorial Project, IIT Bombay on January 28<sup>th</sup>, 2025.

Mr. Bala Mukesh J, Mr. Jothivasan M, Kubandradoss J, Mr. Lokesh R, Ms. Maladevi S, Mr.Mehul V Shah, Ms. Navya B, Ms. Padmashree S, Ms. Subhiksha M, Ms. Tamilselvi S, Mr. Thepaak Raajhan D and Ms. Uma Maheswari R successfully completed and passed an online certification exam titled 'Python 3.4.3' test conducted by the Spoken Tutorial Project, IIT Bombay on January 28<sup>th</sup> 2025.

Mr.Mehul V Shah passed an online certification exam titled 'Cpp' test conducted by the Spoken Tutorial Project, IIT Bombay on February 3<sup>rd</sup> 2025.

## Department of Management Studies

The Department of Management Studies organized the School Outreach Programme Titled 'COMBATING EXAM FEAR' in the campus of Sivananda Saraswathi Education, Maraimalai Nagar. Our team conducted a school outreach program on combating exam stress and fear at Sivananda Saraswathi School, Maraimalai Nagar on 10<sup>th</sup> February 2025. The session aimed to help

students manage anxiety and perform better in exams. The session emphasized the importance of a balanced lifestyle, including sleep, nutrition, and breaks. Students left feeling more confident, positive, and prepared for their exams. The Director Dr. B. Chidhambara Rajan, our Principal Dr. M. Murugan have supported the event. Dr.Venkata Sai Srinivasa Rao Muramalla, The Head of the Department, Department of Management Studies have motivated the school outreach event. Dr.R.Meenakumari, Assistant Professor coordinated the session with an insightful introduction, emphasizing the importance of mental well-being during exams. Ms. K. Sumathi, Assistant Professor have provided a detailed briefing on the session, outlining its objectives and key takeaways. Ms. B. Niranjani, Assistant Professor led engaging activities to help students manage exam stress effectively. Dr. M. Hemasundari, Assistant Professor have actively engaged with the students, creating an interactive and supportive atmosphere.

The Department of Management Studies organized an alumni talk titled 'Career Development: Pathway to Success' on 18<sup>th</sup> February 2025 at 1.30 pm - 3.45 pm. The two guest speakers, Mr. V. Balaji, Accounts Manager, Apple India Pvt.Ltd for Tamilnadu and Kerala of batch: 2007-2009 and Ms. R. Divya, HR Advisor, Flex, TMZ Millennia, Business Park of batch 2013-2015. Dr.Venkata Sai Srinivasa Rao Muramalla, Head, Department of Management Studies presided over the event. The event coordinators were Dr. L.Sujatha, Associate Professor, Ms. G. Sathya, Assistant Professor and Dr. M. Hemasundari, Assistant Professor.

The Department of Management Studies, SRM Valliammai Engineering, Kattankulathur, organised the Guest Lecture on 'Innovation to Sustainability' for the First Year MBA Students (BATCH 2024 - 2026) on 11<sup>th</sup> March 2025 at 10.05Am. A thought-provoking guest lecture event 'Innovation to Sustainability' with Guest speaker was Ms. Rajalakshmi Srinivasan, Director - Product Management, Zoho Corporation Pvt. Ltd, Dr.Venkata Sai Srinivasa Rao Muramalla, Head, Department of Management Studies presided over the event. Dr. K. Sentamilselvan, Professor, Coordinator, and co-coordinated by Mr. Thanga Baalaji Amuthan, Assistant Professor and Ms. G. Sathya, Assistant Professor. The session provided valuable insights into aligning personal growth with sustainable innovation and emphasized the importance of adapting to the evolving demands of the modern world.

The Department of Management Studies, SRM Valliammai Engineering College, Kattankulathur, organised the Guest Lecture on 'Business Intelligence and Data Analytics' for the Second Year MBA Students (BATCH 2024 - 2026) on 13<sup>th</sup> March 2025 at 10.00Am. Dr.M.Murugan, Principal, SRMVEC inaugurated the guest lecture. The eminent chief guest of the guest lecture was Mr. Eneeyan Nanmaran, Sr. Data Analyst - Verizon, Chennai. The guest lecture aimed to provide an in-depth understanding of how data-driven decision-making enhances business performance. Attendees gained valuable knowledge on integrating analytics into strategic decision-making, equipping them with essential skills for the modern business landscape's guest lecture. The HOD Prof. Venkat Muramalla convened the guest lecture.

## College Day

The College Day celebration took place on 22<sup>nd</sup> March 2025, in the prestigious Dr. T.P. Ganesan Auditorium. The spirit of festivity and the vibrant display of talents reflected the enthusiasm and dedication of the students.

The official proceedings commenced in the esteemed presence of Chief Guest Mr. Anandhakrishnan Devaraj, National Head – NGA Engineering Hiring, Wipro Limited, and with the blessings and wishes of Ms. R. Harini, Correspondent SRM Valliammai Engineering College and Dr. Ravi Pachamuthu, Chairman, SRM Group of Institutions and Pro Chancellor, SRM IST. The event was inaugurated with a warm welcome address by Dr. S. Visalakshi, Vice Principal, SRM Valliammai Engineering College who set the tone for the day with his inspiring words. Dr.B.Chidhambaramarajan, Director, SRM Valliammai Engineering College delivered a thought-provoking speech



emphasizing the institution's commitment to academic excellence, innovation, and holistic student development. Dr.M. Murugan, the Principal of SRM Valliammai Engineering College, presented the annual report, highlighting the remarkable academic achievements of students and faculty members, as well as their outstanding performance in co-curricular and extracurricular activities.

# NSS

The NSS unit of SRM Valliammai Engineering College actively volunteered in the Freshworks Chennai Marathon on 5th January 2025. A total of 43 volunteers, along with the NSS Programme Officer, Dr. S. Parthasarathy, provided their services at the Marina Neppiar Bridge from 4:30 AM to 8:30 AM. The volunteers were divided into two teams. One team was responsible for cheering and encouraging the runners, motivating them. In addition, they assisted in managing the crowd and ensuring that the marathon route remained clear for the participants and also in cheering, the volunteers distributed refreshments to the runners, helping them stay hydrated and energized. The other team focused on ensuring the safety of participants, guiding them along the route, and offering support throughout the race. The volunteers played a key role in supporting the runners and ensuring the marathon ran smoothly. Their efforts were well appreciated by the event organizers and participants, who thanked them for their support.

The NSS unit of SRM Valliammai Engineering College organized a Voters' Day event on 25<sup>th</sup> January 2025 to promote awareness about voting rights and responsibilities. NSS Programme Officer, Dr. S. Parthasarathy, educated the NSS volunteers on the significance of voting in a democracy and the fundamental rights associated with it. His insightful address highlighted the role of citizens in shaping the nation through active participation in elections. Following this, S.Ramakrishnan (II AI&DS) led the volunteers in taking the Voters' Pledge, reinforcing the importance of voting as a fundamental right and duty. The volunteers actively participated, repeating the pledge with enthusiasm and demonstrating their commitment to democratic values. The event successfully raised awareness among the volunteers about their voting rights and responsibilities. It encouraged them to be responsible citizens and contribute to the democratic process by exercising their right to vote.



The NSS unit volunteers of SRM Valliammai Engineering College, along with its Programme Officer participated in the grama sabha meeting held at Reddikuppam, near Senneri, Thiruporur Union, Chengalpattu District, Tamil Nadu – 603108 on 26th January



2025 at 11.00 A.M. The event focused on collecting various social issues faced in the village and discussed ways for sustainable development. Dr. S. Parthasarathy, the NSS Programme Officer narrated the various activities conducted by the NSS unit in the previous year for the nearest village. He also shared information on safeguarding measures, legal protections, and the importance of education in preventing abuse. Some of the participants requested the NSS unit to construct a park for the children in the village. Some others demanded to solve some other issues. They were asked to prioritize the things, willing to solve one by one accordingly. The meeting concluded with a shared commitment to improving the overall quality of life in the village. Volunteers and residents pledged to work together on resolving key issues, and fostering a cleaner, safer, and more inclusive community.

Ms. S. Dharanika, a third-year Computer Science and Engineering student from SRM Valliammai Engineering College, participated in the National Integration Camp (NIC) held at Assam Agricultural University (AAU), Assam, from 21<sup>st</sup> to 27<sup>th</sup> January 2025, representing Anna University.



Dr. S. Parthasarathy, NSS Programme Officer of SRM Valliammai Engineering College, attended the roundtable discussion 'Towards Redefining Food Choices' organized by Humane Society International/India on 28<sup>th</sup> January 2025 at VIT Chennai. The event focused on the impact of plant-based food choices on the environment, animal welfare, and sustainability. Experts and decision-makers from various educational institutions participated in meaningful discussions on transitioning towards sustainable diets. In recognition of his participation and valuable contributions to the discussion, Dr.S.Parthasarathy was honored with a memento by the organizers.



The NSS Unit of SRM Valliammai Engineering College organized Mahatma Gandhi Martyrs' Day on January 30, commemorating the sacrifices and contributions of the Father of the Nation. The Director, the Principal, Heads of Departments, Faculties, staff and volunteers were part of this event. The event commenced with the lighting of candles, symbolizing peace and Gandhi's enduring legacy. This was followed by a brief introduction by V. Hashanthika, II IT-1, who spoke about the significance of the day and why

we had gathered to pay tribute to Mahatma Gandhi. Kanishka R P, I EIE shared the information of the people who laid down their lives in the struggle for India's Freedom. F Jerin Williams, I CSE-2, headed the gathering in taking a pledge and repeating the commitment to non-violence, truth, and peace. All other wholeheartedly repeated the pledge, demonstrating their dedication to Gandhi's principles. After the pledge, the Principal, Director, HODs, faculty members, and students paid their respects by offering garlands to Mahatma Gandhi's photograph.

On February 4<sup>th</sup>, 2025, the NSS unit of SRM Valliammai Engineering College organized an awareness program on World Cancer Day to educate students on cancer prevention, early detection, and treatment. The event commenced with a welcome address by Aravind R., a second-year EIE student, who also introduced the Chief Guest. Dr. Sakthipriya Balaji M.D., (Immunohematology and Transfusion Medicine), Assistant Professor, SRM Medical College Hospital and Research Centre, Kattankulathur delivered an insightful lecture and a PowerPoint presentation addressing the importance of cancer awareness to NSS and NCC students. Her session covered essential topics such as cancer signs, types, causes, effects, risk factors, preventive measures, and available treatments. The programme concluded with an interactive discussion, where students actively engaged with the speaker, gaining valuable insights into cancer prevention and early detection. A vote of thanks was extended, expressing gratitude to the Chief Guest, faculty members and participants for their contributions in making the event a success.



The NSS unit of SRM Valliammai Engineering College organized a Fostering Education event at Panchayat Union Middle School, Konganacherry, Chengalpattu District on 7<sup>th</sup> February 2025. The school children were categorized into different groups based on their age, and they were educated about cyber frauds and online scams to enhance their awareness and digital safety. The event aimed to support students by providing educational materials and encouraging participation in extracurricular activities. Various sports competitions such as running races, musical chairs, frog races, and water-filling were also conducted. Winners were awarded trophies and mementos. The Principal of the school was presented with a remarkable memento by Dr. S. Parthasarathy, NSS Programme Officer.



Dr. S. Parthasarathy was awarded the Best NSS Programme Officer for 2015-16, and Mr. D. Prasanth received the Best NSS Volunteer award for 2016-17. The honors were presented by Tmt. E. Sundaravalli, I.A.S., on February 18, 2025, at the Office of the Commissioner of Collegiate Education, Directorate of Collegiate Education.

The NSS Regional Directorate, Chennai, organized a National Integration Camp (NIC) at Vivekananda College of Education, Agastheeswaram, Kanyakumari, Tamil Nadu – 629 004, from 22<sup>nd</sup> to 28<sup>th</sup> February 2025. Volunteers from eleven states and various universities across India, including Anna University, Tamil Nadu, actively participated in the camp. Dr. S. Parthasarathy, NSS Programme Officer of SRM Valliammai Engineering College, led the Anna University delegation, which included six volunteers. Among them were two volunteers from SRM Valliammai Engineering College: R.Aravind of II yr EIE and Vinitha G. of II year Cyber Security.

The NSS unit of SRM Valliammai Engineering College participated in a mass clean-up event at Marina Beach, organized by the Greater Chennai Corporation, on February 22, 2025. Volunteers from other colleges also joined this initiative, demonstrating their commitment, to environmental conservation. Together, they chanted the slogan, 'Live Green, Love Blue' to spread awareness about the importance of maintaining a clean and healthy environment. The students actively engaged in the clean-up drive, removing plastic waste, debris, and other pollutants from the beach. Officials from the Greater Chennai Corporation appreciated their efforts. This initiative aimed to highlight the significance of waste management and inspire the local community to adopt eco-friendly practices.



The NSS Unit of SRM Valliammai Engineering College organized a Road Safety Awareness Programme on World Safety Day, March 4, 2025. The program commenced with a welcome address by Mr. D. Captain Prabakaran, Assistant NSS Programme Officer. This was followed by a special talk by Dr. T. Isaiyarsi, Associate Professor & HoD, Department of Mathematics who emphasized the importance of traffic rules, road safety measures, and responsible driving. As part of the initiative, all participants took a road safety pledge and later participated in a rally from SRM Valliammai Engineering College to SRM University Building. During the rally, students chanted slogans to spread awareness among their peers, reinforcing the importance of adhering to road safety rules to prevent accidents.

The NSS unit of SRM Valliammai Engineering College participated in the Women's Day Marathon organized by the Police Department, Tambaram Circle, on March 8, 2025. The event took place at MGM, ECR, Chennai, under the theme: 'Run with purpose, stand for safety, and celebrate the spirit of women!'. The marathon was held to celebrate women's achievements and support the Women's Rights Movement, raising awareness about gender equality, reproductive rights, and women's safety. A total of 62 volunteers and the Programme Officer from the college actively took part in this powerful initiative. The event was inaugurated by the

Tambaram City Police Commissioner and covered a 3 km route from Kanathur to Muttukadu. Several other colleges also participated, making it a collaborative effort to promote women's empowerment, fitness, and safety.



The first day of the NSS special camp commenced with an introductory session led by Dr. S. Parthasarathy, the NSS Programme Officer on 15<sup>th</sup> March, 2025. He provided an overview of the park construction project undertaken by the NSS unit. Under his leadership, volunteers were organized into six teams, each consisting of seven members. The NSS Programme Officer issued detailed instructions to ensure the systematic execution of tasks. Each team was designated a specific focus area—such as stone removal, ground levelling, and debris collection—to promote a coordinated and volunteer-organized approach. Following the planning session, the teams proceeded to the designated site and cleared the area actively. They prepared the ground for the basement foundation by removing stones and other unwanted materials with the tools. One group collected and evacuated stones, while others focused on levelling the surface to lay the groundwork for the next phase of construction.

On the second day, the stones collected on the first day were broken into smaller, suitable sizes to facilitate their use in effective construction. Simultaneously, the soil was excavated to create a stable base by ensuring the structural integrity. Then the area was systematically filled with a mixture of soil, stones, and cement to reinforce the groundwork. Additionally, water was drawn from the well and poured into the field to set.

The strengthening processes of the foundation took place on the third day. It began with the addition of a substantial amount of mud, which served as the initial layer to provide a stable base. Subsequently, a cement mixer was employed to blend the necessary components effectively, ensuring a uniform and sturdy mixture. Broken stones were strategically placed over the base to enhance its strength and durability. Finally, to harden the foundation and bind the materials together, water was poured over the prepared surface, allowing the elements to settle and integrate properly. This structured approach to reinforcing the basement of the park construction site ensured that the groundwork was laid with precision.



Levelling the ground and installing the fence to define the boundaries of the park were done by the Volunteers on the fourth day. Using tools such as spades, rakes, and shovels, they worked systematically to level the ground, ensuring a stable and even surface for further development. Following the completion of soil levelling, the volunteers proceeded with fencing the park's perimeter. Through teamwork and coordinated efforts, the fencing work was successfully carried out.

On day five, the volunteers removed the unwanted materials and obstacles that could interfere with the construction process. Once the ground was cleaned properly, volunteers moved on to the next step- placing small drums into the ground. These drums played a significant role in stabilizing the foundation and supporting the overall structure of the park. Volunteers dispensed and levelled mud across the area, then watered it to stabilize the ground for park equipment installation. Then they began digging holes to plant trees—a key part of the project.



They continued to dig evenly measured pits for tree and plant plantations on the sixth day also. Then they filled old cow dung each pit for the immediate growth of the plant. This structured planting aimed to enhance the park's green space and environmental value. Next, they installed play equipment like swings, seesaws, and merry-go-rounds in the appropriate places with the help of technical experts. These additions made the park more inviting and fun for children and visitors alike.

Volunteers successfully planted a diverse range of trees, shrubs, and flowering plants throughout the park. In addition, volunteers made a conscious effort to use biodegradable and eco-friendly materials—such as natural compost, organic plant support for the structures, and reusable items—to support the healthy growth of the plants. The park was beautifully decorated in preparation for the inauguration ceremony in the evening. Colourful banners, floral arrangements, and informational displays about the development process and the importance of green spaces were set up to welcome the guests.



The inauguration ceremony was graced by the respected college Principal and the Heads of various Departments, who had been strong supporters of this initiative from the beginning. Volunteers also had the privilege of inviting and hosting Mrs. Mary Tamil Rani, the Panchayat president of the village, along with many enthusiastic people from the local community. The ceremony included a formal ribbon-cutting by the Principal, speeches from key figures, and a tour of the newly developed park. In every way, the completion of this park stands as a shining example of what can be achieved through service, dedication, and collaboration.

On March 30, 2025, at 9:00 a.m., the twenty-two volunteers of the NSS unit of SRM Valliammai Engineering College participated in the event 'Yoga World Record Attempt' at 'Vaigai Jothi' Mahal in Pazhaveli, Chengalpattu organized by the Rotary and Inner Wheel Clubs of Maraimalai Nagar. It aimed to create a new world record for holding the position of 'Tirikoonashana' for 180 seconds and to increase awareness of yoga among young children. All the NSS volunteers assisted the Rotary Club members in managing the children by ensuring they were properly aligned in an orderly manner. NSS volunteers are recognized for their dedicated service and valuable contributions by being awarded certificates. Finally, the vote of thanks was proposed by Mr.V. Ramesh Kumar, the President of Rotary Club, Maraimalai Nagar.

## Department of English

The department of English, under the auspices of Eclectic Lingua organized a workshop 'Efficient ways to help students write effectively' on 17<sup>th</sup> February 2025. Dr S.P.Veroneka, Asst Prof, Hindustan Institute of Technology and Sciences, Padur was the resource person for the event. Dr.G.Suganya/A.P.(O.G) was the coordinator of the programme.



Workshop 'Efficient ways to help students write effectively'

Dr.Sheeba Manodh /A.P.(Sel.G) published a paper 'Comparing Traditional Grammar Translation methods with Communicative Language Teaching in Journal of University of Shanghai for Science and Technology, Vol 27, Issue 1 (pg 88-91) ISSN:1007-6735. (Jan 2025)(<https://jusst.org/comparing-traditional-grammar-translation-methods-with-communicative-language-teaching/>)

The department of English, under the auspices of Burke Club organized an oratorical competition 'Voice of the Legends' for the first year students on 24<sup>th</sup>

February 2025. The first year students displayed their talents with great enthusiasm. Mr Abhishek David John/A.P (O.G) and Ms.S.Roshan Fathima/A.P (O.G) from the Dept of English were the judges for the competition. Dr.Sheeba Manodh/A.P (Sel.G) was the coordinator of the programme.



An oratorical competition 'Voice of the Legends'

Dr. G. Suganya /A.P. (O.G) successfully defended her Ph.D. dissertation during the Viva Voce held at VIT Chennai on 24<sup>th</sup> January 2025 and was awarded her doctorate.

The Department of English, under the auspices of Eclectic Lingua organized Linguathon Phase II competitions on 11<sup>th</sup>, 13<sup>th</sup> & 14<sup>th</sup> March 2025 for the first year students. The events were Short Film making, Paint the Poem, Decode the picture and Lingua League. Dr.V.Jayanthi/A.P (Sr.G) and Dr M.Arthi/A.P (Sr.G) were the coordinators of the programme.



Linguathon Phase II competitions organized by Eclectic Lingua

The Department of English, under the auspices of Eclectic Lingua organized a workshop 'Strategies for Stronger Communication for the limited proficient learners on 12<sup>th</sup> March 2025. Dr. R. Geetha /A.P (Sr.G) was the coordinator of the event.

The Department of English, under the auspices of Eclectic Lingua organized a workshop 'Writing a Winning Resume' on 19<sup>th</sup> March 2025 for the 1 year MCA students. Dr. Sathvika, Asst. Prof, VIT was the resource person for the event. Mr.Abhishek David John /A.P.(O.G) was the coordinator of the programme.

Dr V.Jayanthi/A.P (Sr.G), Dr M.Arthi/A.P (Sr.G), Mr. Abhishek David John and Dr. G. Suganya completed the NPTEL online course titled 'Emotional Intelligence' and Dr.Sheeba Manodh /A.P (Sel.G) was awarded silver medal for the same course.

## Department of Physics

The department of Physics organized a guest lecture for the topic 'Green Nanotechnology' on 19<sup>th</sup> March 2025. Dr.S.E Noorjahan, Associate Professor, Department of Chemistry, Guru Nanak College, Chennai was the guest of speaker.

Dr.S.Gandhimathi, Associate Professor, received a seed fund of Rs.2,20,00/- for the Project entitled 'Advanced Polymer Electrolyte Membranes for High-Performance Fuel Cells and Sustainable Energy Solutions' from the Management of SRM Valliammai Engineering college for the academic year 2024-25.

Dr.M.Anbucheziyan, Prof. & Head, awarded for his instrumental role as SPOC of the SWAYAM -NPTEL local chapter.

Dr.M.Anbucheziyan, Prof. & Head, successfully completed online SWAYAM courses for the topics 'National Education Policy and Institutional Building' and 'Accreditation System and Ranking Framework' during January 2025.

Dr.R. Nithyabalaji, Associate Professor, Ms.R.Sasireka, Assistant Professor, and Dr.Ramya Rajan M.P, Assistant Professor completed a one week faculty development program for the title 'Innovative Trends in Designing Materials and Mathematical Modeling for Sustainable Development' organized by the Department of Physics, Chemistry and Mathematics, Vivekanandha Arts and Science College for Women, Sankagiri, Salem, Tamil Nadu from 27<sup>th</sup> to 31<sup>st</sup> January 2025.

Dr.M.Anbucheziyan, Prof. & Head, participated in a One-Day Online National Seminar on 'Production, Storage, and Transportation of Green Hydrogen and Fuel Cells for Conversion of Hydrogen into Electricity' conducted by the Department of Physics, School of Science and Humanities, Sathyabama Institute of Science and Technology, Chennai on 12<sup>th</sup> February 2025.

Ms. S. Sowmiya presented a paper titled 'Cobalt oxide incorporated PVA nano fibers mats for magnetic hyperthermic applications' in the 4<sup>th</sup> National conference on Recent developments of Chemistry in Engineering Applications (NCEA 2025) organized by the department of Chemistry, SRM Valliammai Engineering College on 15<sup>th</sup> March 2025.

Ms. S. Madathy Babu, TRA presented a paper titled 'Biocompatible PVA-ZnS nanofibers synthesised via Electro spinning : A sustainable approach for Optoelectronic Devices' in the 4<sup>th</sup> National conference on Recent developments of Chemistry in Engineering Applications (NCEA 2025) organized by the department of Chemistry, SRM Valliammai Engineering College on 15<sup>th</sup> March 2025.

Ms.R.Sasireka, Assistant Professor, and Dr.Ramya Rajan M.P, Assistant Professor emerged as toppers and Dr.R. Nithyabalaji, Associate Professor, Dr.S.Gandhimathi, Associate Professor, Mrs.S.Sowmiya, Assistant Prof. and Dr.R.Rajkumar, Assistant Professor,

successfully completed NPTEL online certification examination for the course 'Surface Engineering of Nanomaterials' for the session Jan to March 2025.

## Department of Chemistry

Dr. L. Devaraj Stephen, Associate Professor and Dr.S.G. Gunasekaran, Assistant Professor (O.G) completed AICTE Training and Learning (ATAL) Academy Faculty Development Programme on Innovations in Manufacturing: Bridging Academia and Industry 4.0 in a Virtual Environment at St. Joseph's College of Engineering, Chennai, during 20<sup>th</sup>-25<sup>th</sup> January 2025.

Dr. P. Varun Prasath, Assistant Professor (O.G) published a paper titled 'Synthesis, Characterization and Eco-Agricultural Applications of WO<sub>3</sub>@g-C<sub>3</sub>N<sub>4</sub> Heterostructures' in the Diamond & Related Material journal, on 2<sup>nd</sup> January 2025.

In the National Conference on 'Recent Advances in Chemical and Biological Applications of Chemistry (RACBC-2025)', organized by the Department of Chemistry, Pachaiyappa's College for Men, Kanchipuram, Tamil Nadu, 30<sup>th</sup> January 2025, the following staff members from the Department of Chemistry participated and presented their papers.

Dr. L. Devaraj Stephen, Associate Professor presented a paper on 'Surface and Interface Modulation of Metal-Centered CoIII(tn)2Cl(L)2+ with nm-TiO<sub>2</sub> in Binary Solvent Mixtures: A Visible-Light-Driven Photocatalytic Study'.

Dr. J. Krishnamurthi, Assistant Professor (Sr.G) presented a paper on 'Synthesis, Characterization and in Vitro Anti-Diabetic Activity Studies of 1-benzyl-2-phenyl-1H-benzo[d]imidazole'.

Dr. S. G. Gunasekaran, Assistant Professor (O.G) presented a paper on 'Dispersion Characteristics of Novel MWCNT-Reinforced Polybenzoxazine (MWCNT-PBZ) Nanocomposites'.

Mr. V. Arivalagan, Assistant Professor (Sr.G) presented a paper on 'Development of Nanotitania-Reinforced Imine-Based Phenyl Polybenzoxazine (nTiO<sub>2</sub>/PBZ) Nanocomposites'.

Dr. M. Meera, Assistant Professor (O.G) presented a paper on 'Nanotitania-Reinforced Maleimido-Terminal Phthalide-Cardo Chain Extended Imines for Polybenzoxazine Hybrid Nanocomposites'.

Ms. S. Charumathi, Teaching & Research Associate presented a paper on 'Development and Assessment of Hybrid Membrane Incorporating a Blend of Polyetherimide (PEI) and Nano Zinc Oxide (n-ZnO) with Polyvinylidene Fluoride (PVDF)'.

Dr. M. Soundarajan, Assistant Professor (O.G), Dr.S.G. Gunasekaran, Assistant Professor (O.G),

Mr.V.Arivalagan, Assistant Professor (O.G) and Dr.L.Devaraj Stephen, Associate Professor published a paper titled 'Adsorption and Removal Behaviour of Chitosan Coated Carbon Biosorbent towards Potential Abatement of Cadmium Heavy Metal from Wastewater' in the Rasayan Journal of Chemistry, on 7<sup>th</sup> February 2025.

Dr. N. Jayaprakash, Assistant Professor (Sr.G) published a paper titled 'Novel Photodamage-Free Bioimaging and Anticancer Studies using Ultra-Bright Near-Infrared Emitting Nitrogen-Doped Carbon Dots Intercalated Zn(OH)<sub>2</sub> Nanosheets' in the Chemical Papers journal, on 10<sup>th</sup> February 2025.

Dr. L. Devaraj Stephen, Associate Professor, Dr.N.Jayaprakash, Assistant Professor (Sr.G) successfully completed the International Webinar on 'Accelerating Equity in Science' organised by IQAC, Jagat Arts, Commerce & I.H.P. Science College, Goregaon, Dist. Gondia, on 11<sup>th</sup> February 2025.

In the National Conference on 'Advances in Functional Materials (ICAFM)', organised by organized by the St. Joseph's College, Tiruchirappalli, Tamil Nadu, during 13-14<sup>th</sup> February 2025, the following staff members from the Department of Chemistry participated and presented their papers.

Dr. N. Jayaprakash, Assistant Professor (Sr.G) presented a paper on 'Synthesis and Characterization of Mo-doped bismuth vanadate yellow pigment'.

Dr. J. Krishnamurthi, Assistant Professor (Sr.G) presented a paper on 'Synthesis, characterization, bioactive and molecular docking studies of 1-(2,4,6-trimethoxybenzyl)-2-(2,4,6-trimethoxyphenyl)-1H-benzo[d]imidazole'.

The Department organised a Guest Lecture on 'Analytical Techniques' on 25<sup>th</sup> February 2025. Dr.A.Rajendran, Associate Professor & Head, Department of Chemistry, Sir Theagaraya College, Old Washermenpet, Chennai - 600 021, Tamil Nadu, India was the Resource Person. Around 115 students, from various departments and faculty members from multiple institutions attended the guest lecture.

The Department organized a Guest lecture on 'Energy Sources and Storage Device' on 25<sup>th</sup> February 2025. The



Guest Lecture on 'Analytical Techniques'

Guest Speaker was Dr. S. Nehru, Assistant Professor, Department of Physical Chemistry, School of Chemical Sciences, University of Madras, Chennai - 600025, Tamil Nadu. Around 108 students, from various departments and faculty members from multiple institutions attended the guest lecture.



Guest lecture on 'Energy Sources and Storage Device'

Dr. L. Devaraj Stephen, Associate Professor, Dr.N.Jayaprakash, Assistant Professor (Sr.G) completed the NPTEL Online Course on 'Electrochemical Technology in Pollution Control' during March 2025.

Dr. N. Jayaprakash, Assistant Professor (Sr. G) participated in the National Webinar on 'Innovation & IPR' (New IPR-2025) organized by IQAC, Jagat Arts, Commerce & I.H.P. Science College, Goregaon, on 04<sup>th</sup> March 2025.

In the Second International Conference on Emerging Nanomaterials in Biological, Chemical and Engineering Applications (INBCEA - 2025) organised by Department of Chemistry, School of Sciences, Vels Institute of Science, Technology and Advanced Studies (VISTAS), during 13<sup>th</sup> & 14<sup>th</sup> March 2025, three faculty members from the Department of Chemistry presented papers.

Dr. L. Devaraj Stephen, Associate Professor presented a paper on 'A Unified Molecular System of CoIII(tn)<sub>2</sub>Cl(L)<sub>2</sub>+ /nm-TiO<sub>2</sub> for Visible- Light Irradiation in Binary Solvent Mixtures'.

Dr. S. G. Gunasekaran, Assistant Professor (O.G) presented a paper on 'Design and Fabrication of SBA-15 Reinforced Polybenzoxazine Nanocomposites with Imine Skeletal Triaryl Pyridine Core for Enhanced Performance'.

Dr. M. Soundarrajan, Assistant Professor (O.G) presented a paper on 'Biosorptive Removal of Toxic Metals (Cd<sup>2+</sup> and Cr<sup>6+</sup>) from Waste Water using Chitosan Biopolymer Coated Carbon-Impact of pH Change'.

The Department of Chemistry conducted the 4<sup>th</sup> National Conference on Recent Developments of Chemistry in Engineering Applications (NCEA'25) in association with Catalysis Club, IIC, and ISTE on 15<sup>th</sup> March 2025. Dr. Beeraiah Baire, Professor, Department of Chemistry, Indian Institute of Technology (IIT-



4th National Conference on Recent Developments of Chemistry in Engineering Applications (NCEA'25)

Madras), Chennai, Tamil Nadu, was the chief guest. The importance of the role of the imitated natural products was explained by the chief guest. Dr. S. Renganathan, Professor, Department of Biotechnology, Anna University, Chennai delivered a talk on Production of Biodiesel and its potential uses to the modern world. Totally, 110 participants attended the conference and 54 research papers were selected for presentation.

## Department of Mathematics

Dr. A.N. Revathi /Assistant Professor (O.G), Dr.M.Palanikumar /Assistant Professor (O.G), Ms.V. Nagarani /Assistant Professor (O.G) and Ms.M.H.A. Aysha Chithukka /Assistant Professor (O.G) participated in the Faculty Development Programme on 'Recent Trends in Mathematical Modelling and its Applications', at SRM Madurai College for Engineering and Technology Madurai, from 20th January to 25<sup>th</sup> January 2025.

Dr. V. Vijayalakshmi /Associate Professor was the Resource Person in a Seminar on 'Role of Algebra in Real Life', at Dr MGR Education and Research Institute on 29<sup>th</sup> January 2025.

Mr. D. Captain Prabakaran/Assistant Professor (O.G) participated in the Faculty Development Programme on 'Emerging Research Directions and Opportunities in Mathematics and Statistics', at SRM IST - FSH, Kattankulathur, from 20<sup>th</sup> January to 27<sup>th</sup> January 2025.

Dr. V. Vijayalakshmi /Associate Professor published a book titled 'Queuing and Reliability Modeling', RK Publications, ISBN No: 978-93-48655-02-8.

Dr. B. Vasuki /Assistant Professor (O.G) published a book chapter titled 'Independent Domination Number of Rooted Product of Graphs', in Taylor and Francis.

The Mathematics Association 'EULER.COM' in association with IIC organized a Guest Lecture on the 'Differential Equation and its Applications' on 18<sup>th</sup> February 2025 for the second year students of EEE, Civil, Agri and Mechanical Engineering, SRM Valliammai Engineering College. The lecture was delivered by

Dr.S.Dhanasekar, Assistant Professor, Department of Mathematics Vellore Institute of Technology, Chennai. The lecture started with the introduction of Differential Equation, various applications such as describe the behavior of systems such as oscillating masses, vibrations in structures, and the motion of fluids within pipes in Mechanical Engineering. In Electrical Engineering, differential equations are essential for analyzing circuits, particularly in determining the current and voltage in RLC circuits, as well as in the design of control systems and filters. In Civil Engineering, the stress and strain in materials, the flow of underground water, and the stability of structures. The lecture helped the students to know more about the applications of Differential Equation in real life.

Ms. A. Karpagam/Assistant Professor (O.G) published a paper titled 'Applications of Unitary Diagonalizable matrices in an indefinite inner Product Spaces' in the Journal of Mathematical Inequalities and Applications Volume 28(1), page no: 1-18 Feb 2025.

Dr. V. Vijayalakshmi /Associate Professor acted as a Resource Person on National seminar on 'Mathematics and the Future of Sustainable Technology', at D.G.Vaishnav College, Arumbakkam, Chennai on 28<sup>th</sup> February 2025.

Mr. N.Sundarakannan /Assistant Professor (O.G), Ms. A. Karpagam/Assistant Professor (O.G), Ms.V.Nagarani/Assistant Professor (O.G), Ms.M.H.A. Aysha Chithukka /Assistant Professor (O.G) participated in the Faculty Development Programme on 'Research Facility Training Program', at SRM Valliammai Engineering College on 14<sup>th</sup> February 2025.

Dr.G.Sasikala /Assistant Professor (O.G) published a paper titled '10-Surface Modification of Natural Fillers and their Composites', in the journal of surface modification and coating of fibers polymers and composites, March 2025.

Dr. T. Isaiyarasi /Asso Prof (HoD), Ms. M. H. A. Aysha Chithukka /Assistant Professor (O.G) participated a Online Seminar on 'Math Behind GPS Technology', at Dr MGR Educational and Research Institute on 18<sup>th</sup> March 2025.

Dr S. Bhooma /Assistant Professor (O.G) and Ms.S. Ramya/Assistant Professor (O.G) published a book titled 'Engineering Mathematics', RK Publications, ISBN No: 978-93-48655-58-5.

Ms.V. Nagarani /Assistant Professor (O.G) and Dr. M. Palanikumar/Assistant Professor (O.G) passed NPTEL course 'Basic Linear Algebra' in March 2025 in the Elite category.