

# NEWSLETTER

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## SPORTS

*Achievements*



## Department of Civil Engineering

Department of Civil Engineering in association with the Institution of Engineers (India), Indian Society for Technical Education, Institution's Innovation Council, Internal Quality Assurance Cell and Industry-Institute Partnership Cell organised a Guest lecture on 'Alumni Insights on Entrepreneurship' on 4<sup>th</sup> October 2024. A total of 72 Civil Engineering students from our institution participated. Session keynote speakers were alumni Er. P. Muthukumar, Registered Structural Engineer (Gr- II DTCP), Proprietor-Afford Infrastructure, Er. Isaac Stephen, Manager contracts and claims TATA projects, Er. R. Shyam Sundar, EHS & ESG Engineer, Heat and Control Pvt. Ltd, and Er. T.Suresh., Licensed Surveyor & Proprietor, ST Constructions, Er. A. Arun., Registered Construction Engineer, Proprietor - Ari Homes.



Guest lecture on 'Alumni Insights on Entrepreneurship'

Second year, Third year and Final year Agricultural Engineering students along with 4 faculty members went on an industrial visit to GCC Villivakkam oxidation pond on 7th October 2024.



Industrial visit to GCC Villivakkam oxidation pond

Shaik Mohammad Mustak, Final year Civil Engineering Student, won the third Place in the Ball Badminton tournament in Andhra Pradesh & Pondicherry conducted by Yanam Ball Badminton Club.

Tharun Kumar. D, Final year Civil Engineering student, won the fourth Place in the Guduru Mandal, Ball Badminton in Chittoor.

Dr. D. Elango, Professor and Head, Department of Civil Engineering was a keynote speaker at the 39th

National Convention on 'Augmentation of Bioethanol and Biohydrogen from organic wastes' conducted by Anna University and sponsored by the Institution of Engineers (India).



Keynote speaker at the 39th National Convention on 'Augmentation of Bioethanol and Biohydrogen from organic wastes'

Mr. B. Meganathan, Final year Civil Engineering student, presented a paper and won the third prize at the all India Seminar titled 'Augmentation of Bioethanol & Biohydrogen from Organic Wastes' organized by IE(I) TNSC during 5<sup>th</sup> October and 6<sup>th</sup> October 2024 at Anna University.

Mr. Nishanth, a Third year Civil Engineering Student, won the second prize in the 'Structural Bridge' event in METRAX'24 - a National level technical symposium held on 8th October 2024 at Sri Sairam Engineering College.



Mr. Nishanth, a Third year Student, won the second prize in the 'Structural Bridge' event in METRAX'24

Dr. D. Elango, Professor and Head, Department of Civil Engineering was the Guest of Honour for a one-day seminar on 'The role of Textiles in Future Space Travel' conducted by Thiagaraja Polytechnic College, Salem.

The Department of Civil Engineering in association



FDP on 'Advanced Foundation Engineering for Effective Maintenance, Repair, and Rehabilitation of Civil Infrastructure'

with the Institution of Engineers (I), Indian Society for Technical Education, Institution's Innovation Council and Industry-Institute Partnership Cell organized a five-day Faculty Development Programme (FDP) on 'Advanced Foundation Engineering for Effective Maintenance, Repair, and Rehabilitation of Civil Infrastructure' during 18<sup>th</sup> December to 24<sup>th</sup> December 2024. Session external members were Dr. S. Siva Rama Krishnan, Associate Professor, Department of Civil Engineering, Sri Sai Ram Engineering College, Chennai and Dr. R Mourougane, Associate Professor, M S Ramaiah Institute of Technology (MSRIT), Bangalore. As part of the programme, faculty members went on an industrial visit to the Central Public Works Department -

## Department of Agricultural Engineering

The Third year and Final year agricultural engineering students along with 4 faculty members visited GCC Villivakkam oxidation pond as part of an industrial visit on 4<sup>th</sup> October 2024.



Industrial visit to GCC Villivakkam Oxidation Pond

Final year Agricultural Engineering students Prasanth P, Sneha V, and Sundara Vadivel S presented and won the third prize for a paper titled 'Study on Production of Bioethanol and Biohydrogen Using Nanotechnology' in the all India Seminar on the Augmentation of Bioethanol & Biohydrogen from Organic Wastes, organized by IE(I) and Anna University on 5<sup>th</sup> and 6<sup>th</sup> October 2024.

Department of Agricultural Engineering, in association with the Institution of Engineers (India), Indian Society for Technical Education, Institution's Innovation Council and Industry-Institute



National workshop titled 'Precision Farming under Protected Cultivation'

Partnership Cell organised a one day National workshop titled 'Precision Farming under Protected Cultivation' on 7<sup>th</sup> October 2024. Guest speakers of the event were Dr. T. Vetrivel, Horticulture Officer, Assistant Director of Horticulture and Mr. Neduncheralathan, Territory manager, Rivulis Irrigation Pvt Ltd. A total of 118 students and 9 faculty members participated in the event.

The second year agricultural engineering students along with 2 faculty members visited Sathanur dam, Thiruvannamalai as an industrial visit on 25<sup>th</sup> October 2024.



Industrial visit Sathanur dam, Thiruvannamalai

Department of Agricultural Engineering, in association with the Institution of Engineers (India), Indian Society for Technical Education, Institution's Innovation Council and Industry-Institute Partnership Cell organized a Food Expo on 5<sup>th</sup> November 2024, in recognition of National Food Day (16<sup>th</sup> October). The theme of the event 'Modern Foods with High Nutrition', was aimed at raising awareness about healthy eating practices, showcasing nutritious foods, and fostering creativity and entrepreneurship among students. The event brought together students, faculty and staff from various departments of the college, and featured an engaging mix of food displays, competitions, and entrepreneurial activities.



Food Expo

### 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. Andrew Veda**, Asst. Prof. (O.G), Dept. of English

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

Final year Agricultural engineering students along with 2 faculty members visited ICAR - Central marine fisheries research institute, Agriculture Technology Information Center (ATIC), Kerala Agriculture University (KAU), Indian Space Research Organization (ISRO) - Museum, Jawaharlal Nehru Tropical Botanical Garden and Milma Dairy Plant as a three day industrial visit during 7<sup>th</sup> November to 9<sup>th</sup> November 2024.



Industrial Visit

Dr. S. Packialakshmi, Professor, Department of Agricultural Engineering has successfully participated and completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on 'Sustainable Engineering Practices: Integrating Energy Efficiency and Climate Change Resilience' at TTAADC Polytechnic Institute during 16<sup>th</sup> December to 21<sup>st</sup> December 2024.

Department of Agricultural Engineering, in association with the Institution of Engineers (I), Indian Society for Technical Education, Institution's Innovation Council and Industry-Institute Partnership Cell organized a five days Faculty Development Programme (FDP) on 'Recent Developments in Food Processing, Preservation and Storage Technology' from 18<sup>th</sup> December to 24<sup>th</sup> December 2024. External session speakers were Dr.G.Nagamaniammam, Associate Professor, Department of Food Process Engineering, SRM IST and Mr.V.Karthikeyan, Operations Manager, Startup food manufacturing unit, Chennai. As part of the programme, faculty members went on an industrial visit to National Food Laboratory, Chennai.



A five-day Faculty Development Programme (FDP) on 'Recent Developments in Food Processing, Preservation and Storage Technology'

## Department of Computer Science and Engineering

Dr. V. Dhanakoti/ Prof attended an International Conference on Computer Engineering, Network and Intelligent Multimedia 2024, Surabaya, Indonesia

Dr. C. Pabitha/ Asso. Prof, attended an IEEE conference on the Topic 'Deep E-cue: Systematic Deep Network for Multimodal Emotional cues recognition in E-Mail communication, organized by Shree Venkateswara Hi-Tech Engineering college

Mini project Expo was organized on 10<sup>th</sup> Oct. 2024. The resource person was Mr. Sukumar Vadivel, Oracle Technical consultant. Totally 20 batches participated.

Cyborgs 2K24 was organized on 26<sup>th</sup> October 2024. The resource person was Ms. P.C. Vidhya, Senior Technology Leader, Retail Business Transformation Groups, TCS

A five day FDP was organized on the Topic 'Network Security and Security Threats' from 18<sup>th</sup> to 24<sup>th</sup> Dec. 2024. The resource person was Mr.S.Gopinath, Managing Partner, GB Tech Corp, Chennai and M.Santhosh, IT Trainer, GB Tech Corp, Chennai.

Dr. G. Kumaresan/AP, M. Priyadharshini/AP, Ms.S.Shanthi/AP, Dr. G. Sangeetha/AP, Ms.M.Mohanapriya/AP, and Dr. A. Samyurai/Prof filed a patent titled 'IOT Based Agricultural Weather Station' with application no: 439180-001

The Students of the II year CSE-3 went on a one-day Industrial Visit to Chennai Airport on 21<sup>st</sup> Oct. 2024.



Industrial Visit to Chennai Airport

The Students of the Third year CSE-2 went on an Industrial Visit for two days to Akashvani (All India Radio), Kaynes Technology Pvt. Ltd., Aniframe College of Animation, Mysore from 4<sup>th</sup> October to 5<sup>th</sup> October 2024.



Industrial Visit for Two days to Akashvani (All India Radio)

## MoU



The Department signed an MOU with Techknots Academy LLP, Chennai on 23<sup>rd</sup> October 2024 and Partner for conducting Workshop, Seminar, Students Internship, Value added course, Consultancy and FIIP activities in the field of Internet of things(IOT), Robotics, Data Science, Data analytics and Artificial intelligence.

The students of the II year CSE-2 went on a one-day Industrial Visit to Sathish Dhawan SPACE CENTRE-SRIHARIKOTA on 7<sup>th</sup> November 2024.

The students of the II year CSE-1 went on a one-day Industrial Visit to The Image Company Pvt Ltd on 8<sup>th</sup> November 2024.

The students of the Third year CSE-3 went on a Three day Industrial Visit to Kerala Electrical Allied & Engineering Co.Ltd, Nestsoft Techno Master, Iroid Technologies, Kerala from 7<sup>th</sup> November to 10<sup>th</sup> November 2024.

Dr. V. Dhanakoti/Prof participated in a workshop 'Deep Learning and its Application in Assisting Human' at Institut Teknologi Sepuluh Nopember, Indonesia.

Ms. S. Shanthi/AP acted as a Resource person - 'Gender Sensitivity Program' at SRM College of Pharmacy

John Robin A, Vishwa S, Arunachalam A and Vishal C (II yr students) won a prize in a Hackathon conducted by Anna University, Chennai.

Dr. G. Sangeetha, AP, Ms. A.Vidhya/AP, Ms. R.Anitha/AP and Ms. V.Prema/AP participated in an online FDP at SRM Institute of Science and Technology, Vadapalani Campus.

Dr. G. Kumaresan/AP completed a course in 'Deep Learning' at ONE FOURTH LAB.

Ms. S. Shanthi/AP, Ms. S. Suma/AP, Dr.G.Sangeetha/AP and A.Vidhya/AP participated in ATAL FDP.

## Department of Information Technology

The Department of Information Technology and ATAL, SRM Valliammai Engineering College conducted an FDP on 'Advanced Data Science & NLP: Elevate Your Research and H-Index' from 16<sup>th</sup> December 2024 to 21<sup>st</sup> December 2024.

The Department of Information Technology and ATAL, SRM Valliammai Engineering College conducted an FDP 'Intelligent Data Management: Integrating AI, Machine Learning & Advanced Database Systems' from 23<sup>rd</sup> December 2024 to 30<sup>th</sup> December 2024.

Ms. S. Shenbagavadivu, A.P and Ms. J. Abinaya, AP published a paper titled 'Blockchain Enhanced Organic Product Authentication and Provenance Verification System' in International Journal of Innovative Science and Research Technology IJISRT, Volume 9, Issue 10. October -2024. Issn No: - 2456-2165.

Ms. S. Sandhya, A.P published a paper titled 'Reduced graphene oxide-MnO<sub>2</sub> nanocomposites by hydrothermal method for histamine sensor and photocatalytic activity' in J Mater Sci: Mater Electron (2024) 35:1948 <https://doi.org/10.1007/s10854-024-13677-zSpringer>.

Ms. G. Santhiya, A.P published a paper titled 'Segmentation and classification of Paddy leaf disease via deep learning networks' in International Journal of Data Science and Artificial Intelligence (IJDSAI) Volume 02, Issue 05, September - October (2024) ©KITS PRESS Publications.

## SRMVEC CSI Student Branch



The SRM Valliammai Engineering College in association with Computer Society of India-Student Branch, conducted a Technical Event 'PERPLEXATHON' for the benefit of the students of SRM Valliammai Engineering College. It was organized on 29<sup>th</sup> October 2024 from 2:10 pm to 3.50 pm. The event was coordinated by Ms. K.R. Nandhashree, AP/CYS and the Convener of the event was Dr. M. Senthil Kumar, Professor & Head and CSI SB Coordinator.

Ms. G. Santhiya, A.P published a paper titled 'Blood Group Prediction Using Thumb Fingerprint with Machine Learning' in IJIRT 169714 International Journal of Innovative Research in Technology © November 2024 | IJIRT | Volume 11 Issue 6 | ISSN: 2349-6002.

Ms. S. Kiruthika, A.P published a paper titled 'Intellectual Outlier Identification in Network Anomaly using Deep Reinforcement Learning ' in International Journal of Science, Engineering and Technology Volume 12, Issue 6.

Mr. Suresh Kumar S, A.P published a paper titled 'Zero Trust Cryptographic Protocols and Differential Privacy Techniques for Scalable Secure Multiparty Computation in Big Data Analytics' in Journal of Electrical Systems, 2114-2123.

Ms. S. Shenbagavadivu, A.P (Sel.G), Department of IT, delivered a lecture on the topic 'Nourishing Life: Empowering Wellness, Enriching Lives' on 16<sup>th</sup> October 2024 in a webinar organised by Computer Society of India Kanchipuram Chapter.

Dr. S. Narayanan, Professor & Head, Department of IT, delivered a lecture on the topic 'Intelligent Data Management: Integrating AI, Machine Learning & Advanced Database Systems ' from 23<sup>rd</sup> December 2024 to 30<sup>th</sup> December 2024 organised by SRM Valliammai Engineering College, Department of Information Technology.

Ms. S. Shenbagavadivu, A.P(Sel.G) participated in a workshop on 'Large Vision Models (LVM'24)' organised by SRM IST, Kattankulathur Department of Computing Technologies, from 24<sup>th</sup> October 2024 to 25<sup>th</sup> October 2024.

Ms. S. Sandhya, A.P and Ms.S.Jonisha, A.P participated in a Webinar on 'Nourishing Life: Empowering Wellness, Enriching Lives' organised by Computer Society of India Kanchipuram Chapter held on 16<sup>th</sup> October 2024.

Ms.B.Ahamed Samathani, A.P and Ms.D.Nisha, AP participated in an FDP titled 'Next-Gen Educators: Harnessing the power of Machine Learning ' organised by Jeppiaar Institute of Technology held from 25<sup>th</sup> September 2024 to 1<sup>st</sup> October 2024.

Dr. S. Sandhya,A.P, Asso. Prof. attended 'ISIRDP: Incentive Research Conceptions Using Advanced Learning Models' held from 16<sup>th</sup> December 2024 to 24<sup>th</sup> December 2024 organised by St. Joseph's Institute of Technology, Department of Computer Science and Engineering.

Dr. S. Sandhya, Asso.Prof. attended a Webinar 'Enter the world of web -A Walk with HTML, CSS and JavaScript' held on 10<sup>th</sup> December 2024 organised by CSI, Kancheepuram Chapter.

Ms. S. Shenbagavadivu,A.P, attended a Webinar 'Enter the world of web-A Walk with HTML, CSS and JavaScript' held on 10<sup>th</sup> December 2024 organised by CSI, Kancheepuram Chapter.

## Student Affairs Committee



The Student Affairs Committee of SRM Valliammai Engineering College organized an awareness seminar on First Aid and Safety Measures on 20<sup>th</sup> November 2024 from 2.30 p.m to 3.45 p.m in Seminar hall, New Block, SRM VEC. Ms. V. Rajalakshmi, Safety & Motivational trainer from Seed for Safety Pvt Ltd, Chennai, the Resource person, demonstrated various first aid practices to be followed for saving human lives in case of emergency situations. She briefly explained the availability of the types of fire extinguishers for educational and industrial applications. The resource person along with her team provided a live demonstration of usage of fire extinguishers to students.

The Coordinators of Student Affairs Committee Dr.N. Usha Bhanu, Prof & Head- MDE and Dr.M.Senthil Kumar, Prof & Head-CYS with the support of first year Coordinators organized the programme effectively. The students clarified their doubts and interacted with the trainers regarding the handling of fire extinguishers. In total, 107 students from the first year participated and benefited from the seminar.

Dr.S.Narayanan, Prof and Ms. B. Ahamed Samathani, A.P. received an FDP certificate on 'Deep Learning' from July to October 2024 organised by NPTEL.

Ms. S. Shenbagavadivu, A.P received a certificate on '49 Weight Loss Tips You Can Stick To Forever - Be Thinner'organised by Udemy on 16<sup>th</sup> October 2024 .

Ms. S. Shenbagavadivu, A.P and Ms. J. Abinaya, AP received a certificate on 'Blockchain Enhanced Organic Product Authentication and Provenance Verification System' organised by International Journal of Innovative Science and Research Technology IJISRT A Digital Library on 10<sup>th</sup> October 2024.

Ms. S. Shenbagavadivu, A.P received a certificate 'தமிழ்ப்பணி' சமுதாய நலன் மற்றும் முற்போக்குச் சிந்தனைகள்' organised by பாராட்டி பன்னாட்டு அளவிலான வாகை விருதுகள் 2 0 2 4 விருது சான்றிதழ் received from Vaagai Tamilsangam on 20<sup>th</sup> October 2024 .

Ms. S. Shenbagavadivu, A.P received an FDP certificate on 'Introduction to Machine Learning' held from July to October 2024 organised by NPTEL.

Ms. S. Shenbagavadivu, A.P received an FDP certificate on 'Learning Analytics Tools' held from July to October 2024 organised by NPTEL.

Ms. G. Santhiya, A.P received an FDP certificate on 'Cloud Computing ' held from July to October 2024 organised by NPTEL.

Ms. D. Nisha, AP received a certificate 'Qualified certificate for Ph.D admission' held on 17<sup>th</sup> October 2024 organised by UGC-NET .

Dr. S. Sekar, Asso. Prof. and Mr. Suresh Kumar S, A.P received a certificate on 'Deep Learning for Change Detection in Forest Ecosystem' held on 22<sup>nd</sup> November 2024 & 23<sup>rd</sup> November 2024 organised by MAHSA University, Information & Communication Technology 2024(Mi-IRICT 2024).

Ms. S. Shenbagavadivu, A.P received a certificate on 'Artificial Intelligence-Driven Hybrid System for Real-Time Soil Monitoring and Optimal Crop Prediction Using SARIMAX for Forecasting and MSVM-DAG with Grey Wolf Optimizer' held on 22<sup>nd</sup> November 2024 & 23<sup>rd</sup> November 2024 organised by Tula's Institute, Dehradun, India.

Ms. S. Shenbagavadivu, A.P received a certificate on 'Online Board Test Remote Proctored - Score Card ' held on 07<sup>th</sup> November 2024 organised by AICTE.

Ms. S. Shenbagavadivu, A.P and Ms.J.Abinaya, A.P received a certificate on 'Optimization of Crop Suitability Using Sequential Model of Convolutional Neural Network Algorithms' held on 22<sup>nd</sup> November

2024 & 23<sup>rd</sup> November 2024 organised by MAHSA University, Information & Communication Technology 2024 (Mi-IRICT 2024)

Ms.S.Sandhya, A.P and Ms.S.Kiruthika, A.P received a certificate on 'Applications of AI in Science, Technology & Engineering ' held from 11<sup>th</sup> November 2024 to 16<sup>th</sup> November 2024 organised by ANURAG University, Department of Information Technology.

Ms.G.Santhiya, A.P and Ms.D.Nisha, A.P received a certificate on 'Tomato Disease Detection Exploring Deep Learning Techniques for Leaf Health Monitoring' held on 22<sup>nd</sup> & 23<sup>rd</sup> November 2024 organised by MAHSA University, Information & Communication Technology 2024 (Mi-IRICT 2024).

Ms. N. J. Nithya Nandhini, A.P received a certificate on 'High-Accuracy Oryza Sativa Leaf Disease Classification Leveraging Neural Networks' held on 22<sup>nd</sup> & 23<sup>rd</sup> November 2024 organised by MAHSA University, Information & Communication Technology 2024 (Mi-IRICT 2024).

Ms. I. Kavitha, A.P received a certificate on 'Exploring Emerging Technologies in Next-Gen Communication Networks' held from 25<sup>th</sup> to 30<sup>th</sup> November 2024 organised by ATAL at R. L. Jalappa Institute of Technology.

Dr. S. Narayanan, Professor, received an FDP certificate on 'Advanced Data Science & NLP: Elevate Your Research and H-Index' held from 16<sup>th</sup> to 21<sup>st</sup> December 2024 organised by ATAL, SRM Valliammai Engineering College, Department of Information Technology.

## Youth Red Cross

A Financial Management Program was successfully conducted on 24<sup>th</sup> Oct 2024, Thursday, at the Admin Block Seminar Hall from 2.20 pm to 3.50 pm. The guest speaker, Mr. Francis Felix Joseph, Financial Education Counsellor, from ICICI Foundation, delivered a presentation on the following topics:

- PHISHING
- VISHING
- Bank Frauds
- Online Frauds
- Financial Safety
- Investment Options
- Insurance Options
- CIBIL
- Financial Goal Setting

The YRC volunteers of first year numbering 114 of IT1 and IT2, attended the training programme and the programme was concluded with a vote of thanks by the programme officer.



Dr. S. Sekar, Asso.Prof. Dr. S. Sandhya, A.P received an FDP certificate 'Advanced Data Science & NLP: Elevate Your Research and H-Index ' held from 16<sup>th</sup> December 2024 to 21<sup>st</sup> December 2024 organised by ATAL, SRM Valliammai Engineering College, Department of Information Technology.

Dr. S. Sekar, Asso. Prof. and Dr. K. Revathi, Asso. Prof received an FDP certificate on 'Intelligent Data Management: Integrating AI, Machine Learning & Advanced Database Systems' held from 23<sup>rd</sup> December 2024 to 30<sup>th</sup> December 2024 organised by SRM Valliammai Engineering College, Department of Information Technology.

Dr. K. Revathi, Asso. Prof. received an FDP certificate on 'Deep E-Cue: Systematic Deep Network for Multimodal Emotional Cues Recognition in Email Communication ' held on 12<sup>th</sup> December 2024 & 13<sup>th</sup> December 2024 organised by Shree Venkateshwara Hi -Tech Engineering College, Erode.

Dr. K. Revathi, Asso. Prof. received an FDP certificate on 'AI-Driven Solutions for Modern Cybersecurity Challenges ' held from 16<sup>th</sup> December 2024 to 21<sup>st</sup> December 2024 organised by ATAL, Ramco Institute of Technology.

Dr. K. Revathi, Asso. Prof. received an FDP certificate on 'Intelligent Data Management: Integrating AI, Machine Learning & Advanced Database Systems' held from 23<sup>rd</sup> December 2024 to 30<sup>th</sup> December 2024 organised by SRM Valliammai Engineering College, Department of Information Technology.

Dr. S. Sandhya, Asso. Prof. received an FDP certificate on 'Advanced Data Science & NLP: Elevate Your Research and H-Index' held from 16<sup>th</sup> December 2024 to 21<sup>st</sup> December 2024 organised by ATAL, SRM Valliammai Engineering College, Department of Information Technology.

Dr. S. Sandhya, Asso. Prof. received an FDP certificate on 'Applications of AI for a Better Tomorrow' held from 16<sup>th</sup> to 21<sup>st</sup> December 2024 organised by Vellore Institute of Technology.

Dr. S. Sandhya, Asso. Prof. received an FDP certificate on 'Intelligent Data Management: Integrating AI, Machine Learning & Advanced Database Systems' held from 23<sup>rd</sup> December 2024 to 30<sup>th</sup> December 2024 organised by SRM Valliammai Engineering College, Department of Information Technology.

Ms. S. Shenbagavadivu, A.P, received a Conference certificate 'SOIL-CROP SYNERGY: A GUIDE TO SUSTAINABLE AGRICULTURE' held on 21<sup>st</sup> December 2024 organised by National Conference on Recent Research Directions and Advancements in Mathematics ISBN No: 978-81-933978-6-2, Department of Mathematics

Ms. S. Shenbagavadivu, A.P received a certificate of Appreciation Discipline Star ' held in the July-Dec'24 batch organised by NPTEL

Ms. S. Shenbagavadivu, A.P, received a Domain Certificate in the October 2024 session organised by NPTEL

Ms. S. Shenbagavadivu, A.P, received a Certificate of Appreciation 'EnMin Digital Learning Tools' held on 8th December 2024 organised by பாராட்டி பன்னாட்டு அளவிலான வாகை விருதுகள் 2024 விருது சான்றிதழ் received from Vaagai Tamilsangam

Ms. S. Shenbagavadivu, A.P, received a Conference Certificate 'An Examination Of Chengalpattu District Soil Data Using Statistical Inference' held on 21<sup>st</sup> December 2024 organised by National Conference on Recent Research Directions and Advancements in Mathematics ISBN No: 978-81-933978-6-2, SRM VALLIAMMAI ENGINEERING COLLEGE, Department of Mathematics.

Ms. S. Shenbagavadivu, A.P, received an FDP Certificate on 'Intelligent Data Management: Integrating AI, Machine Learning & Advanced Database Systems' held from 23<sup>rd</sup> to 30<sup>th</sup> December 2024 organised by SRM Valliammai Engineering College, Department of Information Technology.

Ms. S. Shenbagavadivu, A.P, received an FDP co-ordinate certificate 'Advanced Data Science & NLP: Elevate Your Research and H-Index' held from 16<sup>th</sup> to 21<sup>st</sup> December 2024 organised by ATAL, SRM Valliammai Engineering College, Department of Information Technology.

Mr. Sivakumar, A.P, received an FDP Certificate 'Intelligent Data Management: Integrating AI, Machine Learning & Advanced Database Systems' held from 23<sup>rd</sup> to 30<sup>th</sup> December 2024 organised by SRM Valliammai Engineering College, Department of Information Technology.

Ms. S. Kiruthika, A.P, received a Reviewer Certificate of Appreciation 'Advance in Artificial Intelligence and Machine Learning in Big Data Processing' held on 12<sup>th</sup> & 13<sup>th</sup> December 2024 organised by S.A. Engineering College (Autonomous), Department of Computer Science and Engineering (Hybrid Mode).

Ms. S. Kiruthika, A.P, received an FDP Certificate on 'Intelligent Data Management: Integrating AI, Machine Learning & Advanced Database Systems' held from 23<sup>rd</sup> to 30<sup>th</sup> December 2024 organised by SRM Valliammai Engineering College, Department of Information Technology.

Ms. I. Kavitha, A.P, received an FDP Certificate on 'The future of Quantum computing and High-performance computing (HPC)' held from 23<sup>rd</sup> to 28<sup>th</sup> December 2024 organised by ATAL, P.S.V. College of Engineering and Technology.

Ms. I. Kavitha, A.P, received an FDP Certificate on 'Exploring Emerging Technologies in Next-Gen Communication Networks' held from 25<sup>th</sup> to 30<sup>th</sup>

December 2024 organised by ATAL, R.L. Jalappa Institute of Technology.

Ms. I. Kavitha, A.P, received an FDP certificate on 'Advanced Data Science & NLP: Elevate Your Research and H-Index SRM Valliammai Engineering College' held from 16<sup>th</sup> to 21<sup>st</sup> December 2024 organised by ATAL, SRM Valliammai Engineering College.

Ms. I. Kavitha, A.P, received a Certificate of Completion 'Scalable User Authentication System with Node.js and JWT ' held on 22<sup>nd</sup> December 2024 organised by NoviTech R&D Private Limited.

Ms. I. Kavitha, A.P, received a Certificate of Completion 'Artificial Intelligence and Data Science' held from 25<sup>th</sup> to 29<sup>th</sup> December 2024 organised by NoviTech R&D Private Limited.

Ms. I. Kavitha, A.P, received an FDP Certificate on 'Intelligent Data Management: Integrating AI, Machine Learning & Advanced Database Systems' held from 23<sup>rd</sup> to 30<sup>th</sup> December 2024 organised by SRM Valliammai Engineering College, Department of Information Technology.

Ms. G. Santhiya, A.P, received an FDP Certificate on 'The future of Quantum computing and High-performance computing (HPC)' held from 23<sup>rd</sup> to 28<sup>th</sup> December 2024 organised by ATAL, P.S.V. College of Engineering and Technology.

Ms. G. Santhiya, A.P, received an FDP Certificate on 'Intelligent Data Management: Integrating AI, Machine Learning & Advanced Database Systems' held from 23<sup>rd</sup> to 30<sup>th</sup> December 2024 organised by SRM Valliammai Engineering College, Department of Information Technology.

Mr. Suresh Kumar S, A.P and Ms. D. Nisha, A.P received an FDP Certificate on 'Intelligent Data Management: Integrating AI, Machine Learning & Advanced Database Systems' held from 23<sup>rd</sup> to 30<sup>th</sup> December 2024 organised by SRM Valliammai Engineering College, Department of Information Technology.

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Ms. S. Jonisha, AP received an FDP Certificate on 'Intelligent Data Management: Integrating AI, Machine Learning & Advanced Database Systems' held from 23<sup>rd</sup> to 30<sup>th</sup> December 2024 organised by SRM Valliammai Engineering College, Department of Information Technology.

Ms. S. Jonisha, A.P received a Conference Certificate 'An Examination of Chengalpattu District Soil Data using Statistical Inference' held on 21<sup>st</sup> December 2024 organised by National Conference on

Recent Research Directions and Advancements in Mathematics ISBN No: 978-81-933978-6-2, SRM Valliammai Engineering College, Department of Mathematics

Ms. S. Jonisha, A.P and Ms. N. J. Nithya Nandhini, A.P received an FDP Certificate 'Converging Machine Learning DevOps and GPU Computing for Breakthrough Innovations' held from 18<sup>th</sup> to 24<sup>th</sup> December 2024 organised by SRM Valliammai Engineering College, Department of Artificial Intelligence and Data Science.

Ms. N. J. Nithya Nandhini, A.P received an FDP Certificate 'Cyber Security in AI' held from 2<sup>nd</sup> to 7<sup>th</sup> December 2024 organised by ATAL CMR University.

Ms. S.Priya, A.P received a Conference Certificate 'Next-gen Cloud Security: Architecting a Blockchain-empowered, Optimized Framework With the Emperor Penguin Algorithm for Advances in Science and Technology for Cloud Security' held on 19<sup>th</sup> & 20<sup>th</sup> December 2024 organised by Second National Conference on Advances in Science and Technology for Regenerative Agriculture (ASTRA-2024), Department of Agricultural Engineering, Bannari Amman Institute of Technology.

Ms. S. Priya, A.P received an FDP Certificate 'Converging Machine Learning DevOps and GPU Computing for Breakthrough Innovations' held from 18<sup>th</sup> to 24<sup>th</sup> December 2024 organised by SRM Valliammai Engineering College, Department of Artificial Intelligence and Data Science.

Ms. S. Priya, A.P received an FDP Certificate on 'Quantum Computing' held from 16<sup>th</sup> to 21<sup>st</sup> December 2024 organised by ATAL, Dhanalakshmi Srinivasan Engineering College.

Ms. S. Priya, A.P received an FDP Certificate on 'Intelligent Data Management: Integrating AI, Machine Learning & Advanced Database Systems' held from 23<sup>rd</sup> to 30<sup>th</sup> December 2024 organised by SRM Valliammai Engineering College, Department of Information Technology.

Ms. Abinaya J, A.P received a Conference Certificate 'Soil-Crop Synergy: A Guide to Sustainable Agriculture' held on 21<sup>st</sup> December 2024 organised by National Conference on Recent Research Directions and Advancements in Mathematics ISBN No: 978-81-933978-6-2, Department of Mathematics.

Ms. Abinaya J, A.P received a Certificate 'Echoes of Heritage Monumental Stories with Yolovs' held on 19<sup>th</sup> & 20<sup>th</sup> December 2024 organised by Second National Conference on Advances in Science and Technology for Regenerative Agriculture (ASTRA-2024), Department of Agricultural Engineering, Bannari Amman Institute of Technology.

Ms. Abinaya J, A.P received an FDP Certificate on 'Converging Machine Learning DevOps and GPU Computing for Breakthrough Innovations' held from

18<sup>th</sup> to 24<sup>th</sup> December 2024 organised by SRM Valliammai Engineering College, Department of Artificial Intelligence and Data Science.

Ms. U. Chindiya Baby, A.P, Ms. R. Anbuvizhi, AP, Ms. Kanmani, AP received an FDP Certificate on 'Intelligent Data Management: Integrating AI, Machine Learning & Advanced Database Systems' held from 23<sup>rd</sup> to 30<sup>th</sup> December 2024 organised by SRM Valliammai Engineering College, Department of Information Technology.

## Department of Electronics and Communication Engineering

The Department of Electronics & Communication Engineering conducted a Mini Project Expo in association with IIPC, IIC, ISTE, and IETE STUDENTS' FORUM & SRM VEC CSI Student Branch on 4th October 2024 to explore the talent of the students in the field of emerging technology. The Mini Project Expo was started with the welcome address by Mr.S.Senthilmurugan, Assistant Professor (Sel. G). Dr.Komala James, Professor and Head, Department of Electronics and Communication Engineering, addressed the gathering and emphasized the importance of Project Expo. Dr. K. Ayyar, Professor and Head, Department of Electronics & Instrumentation Engineering, presided over the Expo as a chief guest to examine the projects presented by the students. A total of 19 batches, each with a unique project concept, took part in the Expo and showcased how their projects operated. Dr. Komala James, Professor and Head, Department of Electronics and Communication Engineering, assessed the projects along with the chief guest. The Chief Guest was felicitated by the Head of the Department, Dr. Komala James, with a memento. The outcome of conducting the event is to provide a forum for learning, development, exposure, and acknowledgment. It also enhanced students' educational experiences and made a beneficial impact on the academic community and beyond.



Mini Project Expo

The Department of Electronics & Communication Engineering organized a faculty development program titled 'Integrated Circuits, VLSI, and Satellite Communication Technologies' from 26<sup>th</sup> to 29<sup>th</sup>



FDP on 'Integrated Circuits, VLSI, and Satellite Communication Technologies'

November 2024 in association with ISTE, IIC, IETE Students Forum, and CSI Student Branch. An industrial visit to Retech Lasers Pvt. Ltd. on 20<sup>th</sup> December 2024, was part of the programme, with 15 faculty members gaining insights into LASER-based processing techniques. External speakers included Mr.R.Kumarasamy (Pantech Solutions Pvt. Ltd.) and Dr. K. Mariammal (MIT Campus, Anna University). Internal speakers were Dr. C. Amali, Associate Professor and Dr. D. Judson, Professor from SRM Valliammai Engineering College. The event was coordinated by Dr. K. Durgadevi and Dr. J. Logeswaran Assistant Professors, under the guidance of Dr.Komala James, Professor & Head.



An industrial visit to Retech Lasers Pvt. Ltd.

Dr. K. Durgadevi, Assistant Professor and Dr.C.Amali, Associate Professor, published a paper titled 'IoT Enabled Monitoring and Control System with Wireless Drip Rate Monitoring' in 2024 International Conference on Power, Energy, Control and Transmission Systems, at Sri Sairam Engineering College, Chennai, October 2024.

Dr. S. Ramesh, Professor, published a paper titled 'Flexible dual-band antenna for ISM/5G enabled MIMO systems with pattern diversity for wireless body area networks' in International Journal of Microwave and Wireless Technologies, November 2024 [SCIE Indexed].

Dr. C. Saravanakumar, Assistant Professor (Sel.G), published a paper titled 'A Neutrosophic Logic Ruled Based Machine Learning Approaches for Chronic Kidney Disease Risk Prediction' in Neutrosophic Sets and Systems, December 2024 [Scopus Indexed].

Ms. S. Jeya Vaarshini, Dr. N. Jothy, Assistant Professor, Ms. P. Kavitha, Ms. M. Lekhsri and Ms. K.

Madhushree published a paper titled 'Secured Emergency Healthcare Monitoring System using Li-Fi' in 1st International Conference on Emerging Technologies in Electronics and Communication Engineering (ICETE-2024), at Chaitanya Bharathi Institute of Technology, Hyderabad, India, Dec. 2024.

Dr. C. Saravanakumar, Assistant Professor in the ECE department, successfully completed the 'Digital Circuits' course and received a silver medal in the NPTEL Online Certification during the month of October 2024.

Dr. B. Sridhar, Associate Professor in the ECE department, successfully completed the 'Introduction to Internet of Things' course and received a silver medal in the NPTEL Online Certification during the month of October 2024.

Dr. J. Premalatha, Associate Professor in the ECE department, successfully completed the 'Introduction to Internet of Things' course and received a silver medal in the NPTEL Online Certification during the month of October 2024.

Dr. B. Sridhar, Associate Professor in the ECE Department, was honored as the 'NPTEL Discipline Star' in December 2024.

Mr. A. Santhana Bharathi, a third-year ECE student, won the First Prize and the Best Goalkeeper Award in the 5s Football Tournament held in Ramnad on 11<sup>th</sup> and 12<sup>th</sup> October 2024.



Mr. C.S. Abishek Prasad, a III ECE student, won the Third Prize in the Paper Presentation event organized by the Department of CSE during the National Level Technical Symposium at S.A. Engineering College on 18<sup>th</sup> October 2024.

Mr. R. Gowtham, a II ECE student, secured the 3<sup>rd</sup> Prize in the Code Burst event organized by the Department of EIE at Sai Ram Institute of Technology on 24<sup>th</sup> October 2024.

Ms. M. Sarojini Akshaya and Mr. Yasar Arafath from II-ECE won 1st prize in the Technical Connect event in a symposium conducted by SRM Valliammai Engineering College on 14<sup>th</sup> October 2024.

Hariharan A successfully completed the 'Introduction to Internet of Things' course and

received a gold medal in the NPTEL Online Certification during the month of October 2024.

Bharathkumar V. successfully completed the 'Introduction to Internet of Things' course and received a silver medal in the NPTEL Online Certification during the month of October 2024.

Vuyyala Suchithra from IV-ECE has participated in the Ball-badminton Zone event conducted by MIT Chrompet, and won 1<sup>st</sup> prize during the month of October 2024.

E B Bhuvan Kumar from III-ECE has won 1st prize in football, conducted by Sri Sai Ram Engineering college during the month of October 2024.

## NPTEL

97 students and 79 faculty members successfully completed the NPTEL online examination during the period October - December 2024 from SRM Valliammai Engineering College NPTEL Local Chapter.

Five faculty members are recognised as NPTEL Stars. Dr. B. Muthusenthil, Prof. and Head / AI&DS, Dr. S. Jeyalakshmi, Associate Prof. / AI&DS, Dr. J. Krishnamurthi, AP / Chem and Ms. S. Shenbagavadivu, AP / IT are recognized as 'NPTEL DISCIPLINE STAR', Ms. S. Vanila, AP / EEE is recognized as 'NPTEL MOTIVATED LEARNER' and 'NPTEL SUPER STAR' and Dr. S. Malathi, Associate Prof. is recognized as 'NPTEL BELIEVER'.

Ms. S. Shenbagavadivu, AP / IT has completed Domain Certification in the Data Science Domain.

Eight faculty members and two students from our College were Toppers in various courses during the period October – December 2024.

- Ms.S.Roshan Fathima, Faculty – English, Perspectives on Neurolinguistic
- Dr. J. Krishnamurthi, Faculty – Chemistry, Metal Mediated Synthesis – I
- Ms. S. Vanila, Faculty – EEE, Power System Protection and Switchgear
- Ms. M Shanthi, Faculty – EIE, Patent Drafting for Beginners
- Ms. R. Sasireka, Faculty – Physics, Structural Analysis of Nanomaterials
- Ms. S. Sowmiya, Faculty – Physics, Structural Analysis of Nanomaterials
- Dr. R. Issanraj, Faculty – EIE, Analog Communication
- Mr. R. Ashok, Faculty – MECH, Metal Additive Manufacturing
- Ms. S. Vanila, Faculty – EEE, Smart Grid: Basics to Advanced Technologies
- Ms. S. Vanila, Faculty – EEE, Digital Circuits
- K. P. Kruthiga Shree, Student – IT, Cloud Computing
- S Arun Karthick, Student – CSE, Cloud Computing

## NSS

The NSS unit of SRM Valliammai Engineering College organized a Blood Donation Camp. The camp took place in campus to encourage students and staff to donate blood. It partnered with the Rotary Club of Maraimalai Nagar, SRM Medical College, and Shree Venkateshwara Blood Bank. The camp's main goal was to help save lives through blood donation. The smooth running of the event was achieved through the hard work of NSS volunteers. They welcomed participants and guided them through the process.



Blood Donation Camp

Medical professionals were present to assist with the procedure and check the health of the donors. Many students and staff members joined in and donated blood. Their willingness to help made the event successful. The NSS unit appreciated the support from all the organizations involved. They thanked everyone who participated and donated blood. Together, they made a positive impact on the community.

On 2<sup>nd</sup> October 2024, the NSS unit of SRM Valliammai Engineering College organized the 'Swachhta Hi Seva' campaign at the Central Revenue Quarters in Anna Nagar. This initiative, aligned with the principles of Mahatma Gandhi, was organized to promote cleanliness and community service in honor of his birthday. The campaign aimed to raise awareness about the importance of hygiene, cleanliness, and community engagement in creating a better living environment.



'Swachhta Hi Seva' campaign

Twenty NSS volunteers actively participated in the event, engaging in various activities such as cleaning drives, spreading awareness about the significance of cleanliness, and educating residents on how to maintain a hygienic and sustainable environment. The volunteers worked together to clean public spaces and surrounding areas, while also encouraging the local community to adopt better sanitation practices. The campaign successfully highlighted the importance of cleanliness as a collective effort, and it instilled a sense of responsibility and community spirit among all participants. The event proved to be a meaningful contribution to the local area, promoting the values of

cleanliness and social responsibility in line with Mahatma Gandhi's vision.

On 3<sup>rd</sup> October 2024, the NSS unit of SRM Valliammai Engineering College hosted the 'Say No to Drugs' event for the first-year students to raise awareness about the harmful effects of drug use and promote a healthy, drug-free lifestyle. The event saw active participation from 103 first-year students, who were educated on the dangers of drug abuse and the importance of maintaining mental and physical well-being.



'Say No to Drugs' event

NSS volunteers from higher semesters played a crucial role in conducting informative sessions, leading discussions, and engaging students in activities designed to reinforce the message of staying away from drugs. The sessions highlighted the long-term effects of substance abuse on both health and personal life, while also providing alternative strategies for stress management and healthy living. The event successfully instilled a sense of responsibility among the students to make informed choices and avoid harmful substances. Through this initiative, the NSS unit aimed to empower students with the knowledge to lead healthier lives and contribute to a drug-free community.

From 3<sup>rd</sup> October to 31<sup>st</sup> October 2024, the NSS unit of SRM Valliammai Engineering College organized an Aadhar camp to assist students, faculty, and local residents with registering, updating, and correcting Aadhar details. The camp aimed to ensure that everyone had access to essential government services and benefits by making their Aadhar details accurate and up-to-date.



Aadhar Camp

The camp saw active participation, with many individuals utilizing the opportunity to complete their registration or make necessary updates. Volunteers helped guide participants through the process, ensuring a smooth and efficient experience. The initiative successfully facilitated greater inclusion in the digital ecosystem and promoted the importance of Aadhar as a key identification tool for accessing various government schemes and services. Through this camp, the college contributed to the broader

goal of increasing Aadhar coverage and improving service delivery for all.

On 10<sup>th</sup> October 2024, the NSS unit of SRM Valliammai Engineering College's commemorated World Mental Health Day with a lecture titled 'Mental Health at Work' by Mrs.T.Gayathri, a respected psychologist and co-founder of V-Empower. Organized by NSS volunteers and led by Dr.S.Parthasarathy, NSS Programme Advisor, and Mr. D. Captain Prabakaran, NSS Programme Coordinator, the event aimed to raise mental health awareness and equip students with tools for managing stress and achieving work-



World Mental Health Day

life balance.

Mrs. Gayathri engaged the 230 first-year students in attendance, sharing insights on mental health, work pressure, and practical strategies for effective stress management. The students actively participated, gaining knowledge that empowers them to maintain mental well-being throughout their academic journey and beyond.

The event fostered an open, supportive environment for discussing mental health, highlighting its importance in personal and professional growth, and underscoring the college's commitment to student wellness.

On 17<sup>th</sup> October 2024, the NSS Unit of SRM Valliammai Engineering College celebrated Youth Awakening Day in the fifth-floor seminar hall to honor the birthday of Dr. A.P.J. Abdul Kalam. The event began with an inspiring talk by Dr.S.Parthasarathy, who highlighted the remarkable achievements of Dr. Kalam, emphasizing his contributions to science, technology, and the nation's development. Dr.Parthasarathy's talk motivated the students to follow Dr.Kalam's principles of hard work, dedication, and service to the country.



Youth Awakening Day

In addition to the talk, an essay writing competition on various science topics was organized to encourage students to delve deeper into scientific knowledge and innovation, values that Dr. Kalam strongly advocated. The competition saw enthusiastic participation from students, reflecting their interest in science and technology.

The event was a meaningful way to remember Dr.Kalam's legacy and inspire students to strive for excellence, fostering a sense of national pride and responsibility.

On 24<sup>th</sup> October 2024, the NSS unit of SRM Valliammai Engineering College organized a celebration for World Unity Day. The event saw active participation from 89 first-year students. Dr. S. Parthasarathy, the NSS Programme Officer, addressed the students and explained the importance of unity within a nation. He emphasized the significance of national unity and its role in promoting peace and progress.To engage the students, Dr. Parthasarathy assigned separate topics to them for creating essays and posters. The students then presented their creative works, with essays focusing on the theme of national unity and posters designed to raise awareness about the importance of unity among nations.

The posters and essays were evaluated by the NSS Programme Officer, who selected the best ones based on creativity, relevance, and message. The winners were appreciated and congratulated by Dr. Parthasarathy for their outstanding contributions to the event.The World Unity Day celebration successfully inspired the students to think critically about national unity and to express their thoughts creatively, promoting the values of cooperation and harmony.

The NSS Unit of SRM Valliammai Engineering College marked World Food Day on October 25, 2024, with a special visit to Jagadeeswaran Old Age Home. Our enthusiastic first-year students and dedicated volunteers brought joy and inspiration to the residents through a variety of performances, including energetic dance, a thought-provoking mime, engaging drama, and melodious songs. To further contribute to their comfort and well-being, we distributed essential items like pillows and provided nutritious snacks, emphasizing our commitment to both sustenance and support for those in need.

Throughout the day, the connections formed with the residents fostered a heartwarming atmosphere of joy and encouragement. Witnessing the smiles and happiness on their faces, as they momentarily forgot their worries to celebrate with us, left a lasting impression on our volunteers. This memorable experience deepened our sense of purpose and commitment to serving the community, embodying the true spirit of World Food Day.

The NSS unit of SRM Valliammai Engineering College celebrated Education Day on 11<sup>th</sup> November 2024 on the college campus. Nearly 78 first-year students and 10 NSS Volunteers participated in the event, engaging in various activities that highlighted the importance of education. The NSS Programme Officer, Dr. S. Parthasarathy, provided the students with a range of topics related to the significance of education and its impact on society.

The NSS volunteers closely oversaw the first-year students throughout the event, guiding them in their tasks. The students were encouraged to create posters that reflected the theme of Education Day, showcasing their creativity and understanding of the subject. Additionally, they were tasked with writing essays on the importance of education, allowing them to express their thoughts and ideas

on how education can shape the future. The event was a great success, promoting awareness about the value of education while fostering a sense of creativity and reflection among the students.

The NSS unit of SRM Valliammai Engineering College received the best social working organization award for the year 2024 from the Aram Foundation on 23<sup>rd</sup> Nov. 2024.

On 25<sup>th</sup> November 2024, SRM Valliammai Engineering College hosted the 'CID Violence Against Women' event aimed at raising awareness and educating the public on the issue of violence against women. The event was designed to highlight the significance of gender equality, legal protections, and the importance of creating a safe environment for women. The event saw active participation from students, faculty, and external experts who discussed the legal frameworks, resources for support, and preventive measures to combat gender-based violence.

Throughout the day, various sessions were held to provide attendees with crucial information about their rights, how to seek help in cases of violence, and the steps they can take to advocate for change within their communities. The event also included discussions on societal attitudes and the importance of collective responsibility in combating violence against women. By the end of the event, participants were empowered with knowledge, tools, and inspiration to actively contribute to the safety and well-being of women, both within the campus and in society at large.

The NSS unit of SRM Valliammai Engineering College organized a Constitutional Day Celebration on November 26, 2024, at the new building Portico at 10:00 AM. Janani.S and Bhashini.S, 1st year ECE – 1 delivered a speech about Dr.Ambedkar and the importance of the Indian Constitution. It was more inspiring and helped participants deepen their understanding of the Indian Constitution, reaffirming their commitment to its values, and promoting a sense of civic responsibility. The event not only marked an important day in Indian history but also strengthened the bonds of unity and democracy among the youth and the community.



Constitutional Day Celebration

The celebration succeeded in raising awareness about the importance of the Indian Constitution and its role in shaping the democratic framework of the country. Students and community members were encouraged to reflect on their rights and responsibilities as citizens of India. With this event, SRM Valliammai Engineering College showcased its commitment to social responsibility and organizing inspiring future service efforts.

On 14<sup>th</sup> November 2024, SRM Valliammai Engineering College observed World Diabetes Day to raise awareness

about diabetes, its prevention, and management. The event aimed to educate students and faculty about the importance of maintaining a healthy lifestyle to reduce the risk of diabetes and its complications. Various activities, including informative sessions, health screenings, and discussions on balanced diets and exercise, were organized to engage participants and promote knowledge about diabetes.

The event featured experts in the field of healthcare, who shared valuable insights on the symptoms, early detection, and treatment options for diabetes. Participants were encouraged to take part in health checks to assess their risk factors and were provided with tips on how to manage and prevent the disease. Through interactive discussions, the importance of physical activity, healthy eating habits, and regular medical check-ups was emphasized. By the end of the day, the event successfully raised awareness and empowered individuals with the knowledge required to lead healthier lives and reduce their risk of diabetes.

The NSS Unit of SRM Valliammai Engineering College organized a World AIDS Day event on December 2, 2024, in the college premises to raise awareness about HIV/AIDS and its prevention. The NSS volunteers assembled in front of the first-year block. Dr. S. Parthasarathy, NSS Programme Officer gave an introductory speech. Then the rally went through Arts College, Pharmacy College, Tech Part, Dental College, SRM Hospital, and Medical College. The volunteers chanted slogans to promote AIDS awareness during the rally. Their slogans highlighted key messages such as early detection, and showing compassion toward individuals living with HIV. This energized group then embarked on a rally, starting from SRM Valliammai Engineering College and proceeding to SRM University.



World AIDS Day event

As they marched through the campus, the volunteers actively engaged with the staff, students, and public, raising awareness through their slogans and speeches. They delivered impactful messages about HIV/AIDS, emphasizing the need to eradicate the stigma and discrimination associated with the condition. Their spirited efforts ensured that the campaign reached a wide audience and reinforced the importance of collective action in combating the epidemic.

This event not only educated participants but also demonstrated the NSS volunteers' dedication to social responsibility and community welfare. It was a successful initiative that aligned with the global mission of World AIDS Day to foster awareness, empathy, and action.

## Department of Artificial Intelligence and Data Science

The 2nd National level technical symposium 'ALTRUIXX 24' was organized on 5<sup>th</sup> Oct, 2024 by the department of Artificial Intelligence & Data Science, SRM Valliammai Engineering college, Kattankulathur, in association with CSI-SRM VEC Student Branch, ISTE chapter and IIC. The event was presided over by Dr.M.Murugan, Principal, SRMVEC, MANOJ PAUL, Chief Creative Alchemist APAC (Asia Pacific Region) of RRD GO Creative™ and was convened by Dr.B.Muthusenthil, Professor and Head /AI&DS. 152 students (112 External & 40 Internal) from various colleges had registered and participated in many technical and non-technical events like VISIONARY HORIZON, AI VERNUS, ANALYTIX, PICTORADES, FLICK FRENZY. The overall event was Coordinated by Dr. S. Jeyalakshmi, Asso.Prof, Mr. R. Danu, Asst.Prof(O.G).



National Level Technical Symposium 'ALTRUIXX 24'

AI Cognitron Technical Club conducted a workshop for first year students titled 'Data Science using Python' on 24<sup>th</sup> October 2024.



'Data Science using Python'

On behalf of ROTARACT club, Rotaract student officials from the Department of Artificial Intelligence and Data Science participated in 'World Polio Day Bike Rally' on 27<sup>th</sup> October 2024.



Dr. B. Muthusenthil, Head & Professor, Department of Artificial Intelligence and Data Science, presented a Research article in the IEEE International Conference on Computer Network and Intelligent Multimedia 2024 at Surabaya Indonesia and Received the Best Presenter Award on 19<sup>th</sup> November, 2024

Dr. B. Muthusenthil, Head & Professor, Department of Artificial Intelligence and Data Science, delivered a lecture titled 'Role of Generative AI and Its Human Assistive Applications' at the International Workshop on 'Deep Learning and Its Applications in Assisting Humans' on 20<sup>th</sup> November, 2024, at Institute Technology Sepuluh November (ITS) in Surabaya, Indonesia.

Ms. Abinaya, Asst.Prof (O.G) from the Department of Artificial Intelligence and Data Science completed the NPTEL course 'Introduction to Internet of Things' in October, 2024

Dr. B. Muthusenthil, Head & Professor, Department of Artificial Intelligence and Data Science, Participated in SINOX 2024, evaluated innovative incubation projects developed by students from Universitas Airlangga (UNAIR) and Institute Technology Sepuluh November (ITS) at the Grand Center in Surabaya on 21<sup>st</sup> November, 2024.

Dr. B. Muthusenthil, Head & Professor, Department of Artificial Intelligence, arranged for a Memorandum of Understanding (MoU) between ITS, the Intelligent Electrical and Informatics Technology, and SRM Valliammai Engineering College. This collaboration aims to foster research and innovation in advanced technology fields, promoting mutual understanding and cooperation among institutions committed to technological advancement.



MoU between ITS, the Intelligent Electrical and Informatics Technology

Department of Artificial Intelligence and Data Science arranged an Industrial visit to Kerala Electrical and Allied Engineering company Limited, Kochi, Kerala for third year students on 22<sup>nd</sup> November, 2024 coordinated by Mr. R. Danu, Asst.Prof(O.G) and Ms.R.Vaishnavi, A.P(O. G).



Department of Artificial Intelligence and Data Science arranged an Industrial visit to MASCO Tea Factory, Vagamon, Kerala for third year students on 23<sup>rd</sup> November, 2024 coordinated by Mr. R. Danu, Asst.Prof(O.G), Ms.R. Vaishnavi, A.P(O. G)



Industrial visit to MASCO Tea Factory, Vagamon, Kerala

Ms. R. Vaishnavi, A.P (O. G) from the Department of Artificial Intelligence and Data Science completed the NPTEL course 'Computer Vision' in November, 2024.

Dr. B. Muthusenthil, Head & Professor, Department of Artificial Intelligence, recognized as NPTEL DISCIPLINE STAR in December, 2024.

Dr. B. Muthusenthil, Head & Professor, Department of Artificial Intelligence, attended a two-day Training programme for Mentors of Standards club at BIS Chennai, from 17<sup>th</sup> to 18<sup>th</sup> December, 2024.

Dr. S. Jeyalakshmi, Associate Professor, Department of Artificial Intelligence and Data Science, was recognized as NPTEL DISCIPLINE STAR, in December, 2024.

Department of Artificial Intelligence and Data Science, arranged a 5 day FDP titled 'Converging Machine Learning, DevOps and GPU Computing for Breakthrough Innovations' from 18<sup>th</sup> to 24<sup>th</sup> December 2024 coordinated by Ms.P. Jeyakani, A.P(O. G), Ms.M.Abinaya, A.P(O. G).



5 day FDP titled 'Converging Machine Learning, DevOps and GPU Computing for Breakthrough Innovations'

Srinath S - II Year from Department of Artificial Intelligence and Data Science secured the I Prize in National Level Technical Symposium titled 'AI-

Vernus', at SRM Valliammai Engineering College on 05<sup>th</sup> October, 2024.

Department of Artificial Intelligence and Data Science arranged an Industrial Visit for Faculty members to RETECH LASERS, on 24<sup>th</sup> December 2024 coordinated by Ms.P. Jeyakani, A.P(O. G), Ms.M.Abinaya, A.P(O. G)



Industrial Visit for Faculty Members to RETECH LASERS

Sharan Kumar - II Year from Department of Artificial Intelligence and Data Science secured the I Prize in National Level Tech Fest titled 'Tech Clash (BGMI)', at SRM Valliammai Engineering College on 09<sup>th</sup> October, 2024.

Iniya R - II Year from Department of Artificial Intelligence and Data Science secured the II Prize in Vecoders Club titled 'Logo Vista (Technical Event)', at SRM Valliammai Engineering College on 23<sup>rd</sup> October, 2024.

Jovina M, Mega M, Harini S III Year from Department of Artificial Intelligence and Data Science secured the I Prize in National Level Technical Symposium titled 'Nexus-2k24', at St. Joseph's College of Engineering on 25<sup>th</sup> October, 2024.

Jovina M, Mega M, Harini S III Year from Department of Artificial Intelligence and Data Science secured the I Prize in National Level Technical Symposium titled 'KeyNote Deck', at St. Joseph College of Engineering on 25<sup>th</sup> October, 2024.

Sathishkumar B - III Year from Department of Artificial Intelligence and Data Science secured the III Prize in Technical Event titled 'Mind Masquerade', at Sri Sairam Institute of Technology on 06<sup>th</sup> November, 2024.

Anapalli Arjun - III Year from Department of Artificial Intelligence and Data Science secured the I Prize in National Level Techfest, at Sri Sairam Institute of Technology on 08<sup>th</sup> November, 2024.

Varun Radhakrishnan - III Year from Department of Artificial Intelligence and Data Science secured the I Prize in National Level Techfest, at Sri Sairam Institute of Technology on 08<sup>th</sup> November, 2024.

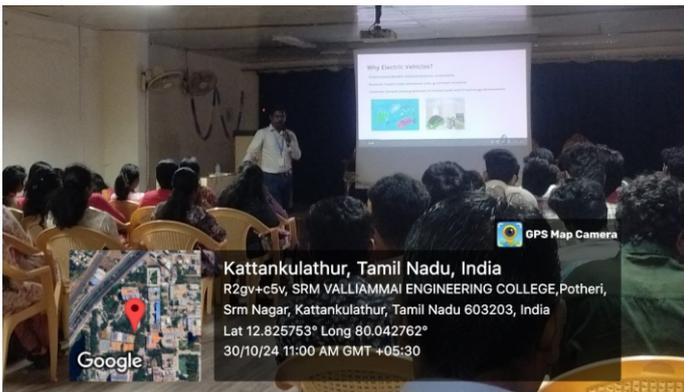
## Department of Electrical and Electronics Engineering

The Department of EEE organised the 14<sup>th</sup> National Level Technical Symposium on 'Emerging Technologies in Electrical and Electronics Engineering (EMERGE 2K24 2.0)' on 05<sup>th</sup> October 2024. The Chief Guest was Mr. Deep Sharma, Deputy General Manager, South Zone Head, GODREJ & BOYCE Mfg Co Ltd.



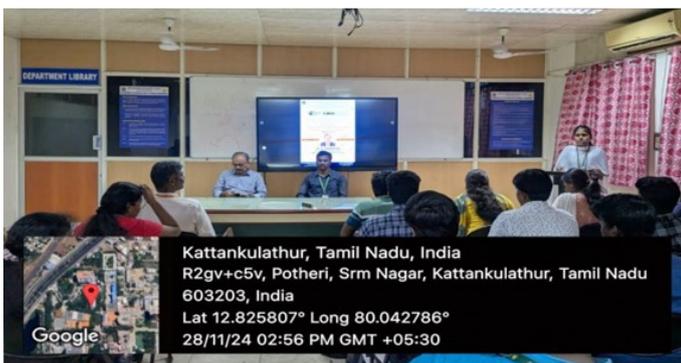
National Level Technical Symposium - EMERGE 2K24 2.0

The Department of EEE organised a Seminar on the topic 'Seminar on Trends in Electric Light Duty Vehicle' on 30<sup>th</sup> October 2024. The Resource person was S. Prabakaran, Head Innovation, IVW Private Limited, Chennai.



Seminar on Trends in Electric Light Duty Vehicle

The Department of EEE organised a Guest lecture on the topic 'Machine Learning for Electricity Price Forecasting' on 28<sup>th</sup> November 2024. The Resource person was Dr. N. Kumarappan, Chair IEEE CIS Madras Chapter, Immediate past chair IEEE Madras Section.



Guest lecture on 'Machine Learning for Electricity Price Forecasting'

The Department of EEE organised AICTE Training and Learning Academy (ATAL) sponsored Faculty Development Program (FDP) on 'Evolution to Green Grid by Renewable Energy Integration in EV Charging for Future India', from 18<sup>th</sup> to 23<sup>rd</sup> November 2024. The sessions were handled by Dr. R. Gnanadass, Professor,



ATAL sponsored FDP on 'Evolution to Green Grid by Renewable Energy Integration in EV Charging for Future India'

Puducherry Technological University, presented on Technical Challenges in Smart Grid, highlighting smart meters, EV integration, renewable energy, and power quality issues.



ATAL sponsored FDP

Dr. M. P. Selvan, Professor & Head of EEE, NIT Tiruchirappalli, delivered an insightful session on Grid Integration for E-Vehicles.

Dr. S. Visalakshi, Vice Principal & Professor of EIE, SRM Valliammai Engineering College, delivered an engaging session on Grid Integration of Wind Energy Conversion and Grid Integration in India.

Dr. Mahalakshmi Ganapathee, Head of R&D at Evnex Private Limited, Chennai, delivered an insightful presentation on Accelerating the Future: Electric Vehicle Technology and its real-time issues.

Dr. A. Rathinam, Prof/EEE & Alumni Director, SRMIST, Kattankulathur delivered a presentation on Introduction to smart Grid Technology.

Dr. Viyakumar Krishnasamy, Assoc.Prof/EEE, IITDM Kancheepuram, Chennai presented on Wind and PV solar energy sources integration into the electric grid with EVs.

Dr. K. Boopathi, Director & Division Head, R&D, NIWE, Velachery delivered a presentation on Challenges of Wind Energy in Grid Integration.

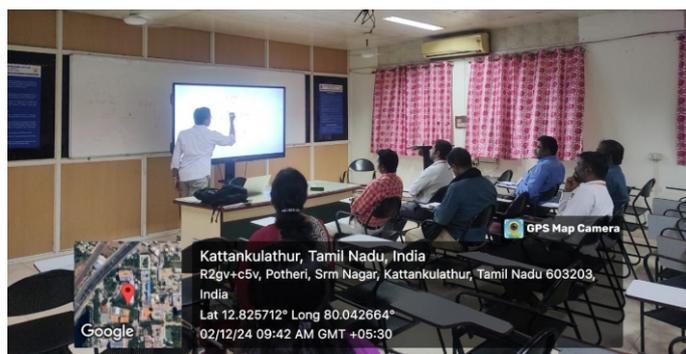
Dr. Pugazhendhi Sugumaran, Prof/EEE, CEG, Anna University, Chennai made a presentation on Impacts of Plug-in Electric Vehicles in Grid Integration.

Dr. Jeevanandham, Professor in EEE, Pondicherry Engineering College, Puducherry spoke on Electric Vehicle Charging Infrastructure.

Dr. S. Saravanan, Professor, Mechanical Engineering, SVCE, Sriperumbudur, delivered a presentation on Emerging Trends in E-Vehicles.

An industrial visit to the National Institute of Wind Energy (NIWE), located in Velachery, Chennai, was organized on 22<sup>nd</sup> November 2024 to provide participants with practical insights into wind energy systems and technologies.

The Department of EEE organised a Five-day Faculty Development Program on 'Linear Integrated Circuits and Advanced Control Systems' from 2<sup>nd</sup> December to 6<sup>th</sup> December 2024. Dr. P. Balamurugan, Associate Professor, School of Electrical Engineering, Vellore Institute of Technology, Chennai, Dr. N. Jothy, AP/ECE, SRMVEC, Chennai, Dr. G. Anitha, AP/EIE, B.S Abdur Rahman Crescent Institute Of Science & Technology, Chennai and Mr. P. Tamilmani, AP/EIE, SRMVEC, Chennai were the resource persons.



FDP on on 'Linear Integrated Circuits and Advanced Control Systems'

The Department of EEE organised a Guest lecture on the topic 'Awareness program on Energy Conservation Day' on 18<sup>th</sup> December 2024. The Resource person was Dr.K.Pushpanathan, Director, TIAS Energy Pvt Ltd, Chennai.



Guest Lecture on 'Awareness program on Energy Conservation Day'

Dr. K. Elango, Professor & Head published an article in an SCI journal titled, 'An Enhanced Approach for Optimal Design of Hybrid CCHP System Consisting Gas Turbine/Photovoltaic/Thermal

Collectors', IETE Journal of Research . <https://doi.org/10.1080/03772063.2024.2390102>.

Dr. K. Elango, Professor & Head, Ms. S. Vanila, AP(SelG) and PG students A. Purushothaman and S. Iyyappan published a paper titled, 'Advanced Mathematical modelling of Blade soiling Impact on Wind turbine power output: A Dynamic and Aerodynamic Approach', in the Proceedings of the National Conference on Recent Research Directions and Advancements in Mathematics ISBN No: 978-81-933978-6-2.

Dr. R. Arivalahan, Professor, published an article in an SCI journal titled, 'Health Monitoring in IoT with Context-Aware Deep Convolutional Spiking Neural Network and Woodpecker Mating Algorithm', IETE Journal of Research, DOI:10.1080/03772063.2023.2297382.

Dr. K. Elango, Professor & Head, completed NPTEL courses on 'Moral Thinking: An Introduction to Values and Ethics' and 'Business and Sustainable Development', August-September 2024.

Dr. R. Arivalahan, Professor completed NPTEL course on 'Business and Sustainable Development', August-September 2024.

Ms. S. Vanila, AP(SelG) published an article in a Scopus indexed journal titled, 'Stock Price Visualizer and Forecaster', Journal of Civil and Environmental Engineering, Vol 12, Issue 12, December 2024.

Final year students Naveen S.S, Kathiravan. C, Harish Ragavendghar. T, Aakash. S and Ms. S. Vanila, AP(SelG) published an article in a Scopus indexed journal titled, 'Refining Energy Forecasting Models: An Analysis of 5MW Solar Plant Metrics', Journal of Civil and Environmental Engineering, Vol 12, Issue 12, December 2024.

Ms. S. Vanila, AP(SelG) completed NPTEL courses on 'Digital Circuits', 'Sustainable Power Generation Systems' and 'Smart Grid: Basics to Advanced Technologies', July-October 2024.

Ms. S. Vanila, AP (Sel.G) participated in ATAL Faculty Development Programme on 'AI in Hydrogen and Electric Powered Vehicles', at B S Abdur Rahman Crescent Institute of Science and Technology from 9<sup>th</sup> to 14<sup>th</sup> December 2024.

Dr. S. Malathi, Professor has been recognized as NPTEL Believer, July-December 2024.

Ms. S. Vanila, AP(SelG) has been recognized as NPTEL Super Star, July-December 2024.

Ms. S. Vanila, AP(SelG) has been recognized as NPTEL Motivated Leader, July-December 2024.

Ms. S. Vanila, AP(SelG) has been recognized as Reviewer in the 1st IEEE International Conference on Emerging Technologies and Innovation for Sustainability, organized by Noida Institute of Engineering and Technology, Greater Noida supported by Anusandhan National Research Foundation,

Government of India held on 20<sup>th</sup> and 21<sup>st</sup> December 2024.

Mr. V. Sudhagar, AP(Sr.G), Ms.P.Bency, AP(Sr.G), Ms.R.V.Preetha, AP(Sr.G), Mr.K.Ragul Kumar, AP(O.G), Mr.S.Venkatesh, AP(O.G) and Ms. R. Elavarasi, AP(O.G) completed an NPTEL course on 'Business and Sustainable Development', August-September 2024.

Dr. S. Malathi, Professor and Ms. S. Vanila, AP(Sel.G) have successfully completed an online Internship in Research Training from 8<sup>th</sup> October to 8th November 2024, conducted by MSME-Technology Development Centre (PPDC), Agra.

Ms. S. Vanila, AP (Sel.G) participated in a five day Faculty Development Programme on 'High Impact Publication and Funding Opportunities', organized by CEDAAR, Chennai from 25<sup>th</sup> to 29<sup>th</sup> November 2024.

## Department of Cyber Security

SRM Valliammai Engineering College, Department of Cyber Security - White- Hatians club had successfully conducted a technical event titled 'Whitehat Insights & Introduction to Office Bearers' on 17<sup>th</sup> October, 2024 for the benefit of the students of SRM Valliammai Engineering College. The convenor of the event was Dr. M. Senthil Kumar, Head of the Department Of Cyber Security and the club coordinator, Ms.T.Sathya, Assistant Professor. The event engaged around 40 students in activities designed to enhance critical thinking and inventive knowledge. The event started with an introduction to new office bearers of Whitehatians club. Following that, the event featured two rounds which had successfully engaged participants in deep technical problem-solving. Round 1 tested their knowledge and presentation skills, while Round 2 focused on important terms in Cyber Security.



Technical Event 'Whitehat Insights & Introduction to Office Bearers'

MEMETRON – Technical Contest SRM Valliammai Engineering College, Department of Cyber Security - White- Hatians club had successfully conducted a technical event titled 'MEMETRON' on 4th November 2024 for the benefit of the students of SRM Valliammai Engineering College. The convenor of the event was Dr. M. Senthil Kumar, Head of the

Department Cyber Security and the club coordinator, Ms. T. Sathya, Assistant Professor. The event engaged around 48 students. The event began with an introduction to the objectives and format of the competition. The event featured a single round in which participants were challenged to create memes based on technical topics. This round tested their creativity, technical knowledge and ability to communicate complex concepts in a simple and engaging manner.



Technical Contest - MEMETRON

## NCC

Mr. Kishore V, Army wing cadet, attended the BLC camp at Bannari Amman Institute of Technology, Sathyamangalam from 04<sup>th</sup> November 2024 to 15<sup>th</sup> November 2024.

Seven Army wing cadets attended the CATC CUM IGC / RDC Selection Camp at Jaya College of Engineering and Technology, Poonamallee from 28<sup>th</sup> August 2024 to 06<sup>th</sup> September 2024.

21 cadets attended the First Thalir event which focused on the theme 'Climate Change and Mitigation 'In the Name of Green Future Now' at Tambaram Market Road organized by Dr.B.R.Ambedkar University, Chennai.

12 cadets (online) attended the second Thalir event which focused on the theme 'Status of Women in Indian Society - Mangai' organized by Dr.B.R.Ambedkar University, Chennai.

12 cadets attended the third Thalir event which focused on the theme 'Impact of Substance Abuse on Youth - Niragarippu' at Joshua Matriculation Higher Secondary School, old Perungalathur organized by Dr.BR Ambedkar University, Chennai.

## Department of Placement and Career Guidance

A total of 18 companies visited SRM Valliammai Engineering College during the period of October to December 2024 and 40 students placed.

Name of the few companies visited during Oct. to Dec. 2024 are; Tata Elxsi, CEI India, Propel, Neeyamo, Data Patterns, Visteon, DeltaX, Telliant Systems, Tiger Analytics, Presidio, FLY REALTY, VisAI Labs, Bharat Steel Group, Sicame Group, SRM Group, Bajaj Allianz Life Insurance Co Ltd, PlanetSpark, SBI Mutual Funds.

## Department of Electronics and Instrumentation Engineering

The Department of EIE, in association with the ISA VMEC Student Charter and ISTE, organized the following programmes:

A Workshop on 'Robotics and Automation' was conducted by Mr. K. Sriram Kumar, Founder of CML Tech solutions Pvt. Ltd., Chennai on 4<sup>th</sup> Dec. 2024.



Workshop on 'Robotics and Automation'

The Second Year U.G students of the Department of EIE visited the National Institute of Ocean Technologies, Chennai on 8<sup>th</sup> October 2024.



Industrial Visit to National Institute of Ocean Technologies, Chennai

The Third Year U.G students of the Department of EIE visited the following industries on 18<sup>th</sup> & 19<sup>th</sup> October 2024. (i) LeePra Technologies, Mysore, (ii) Kaynes Technology India Limited, Mysore, (iii) Kaynes Silk Weaving Industry, Mysore, and (iv) Railway Museum, Mysore.



Industrial Visit to LeePra Technologies, Mysore

A Workshop on 'Entrepreneurship Mindset Creation' was conducted by Mr. K. Ramesh, IIC Convener, Directorate of Entrepreneurship of Innovation (DEI), SRM Institute of Science and Technology, Kattankulathur, Chennai on 28<sup>th</sup> October 2024.



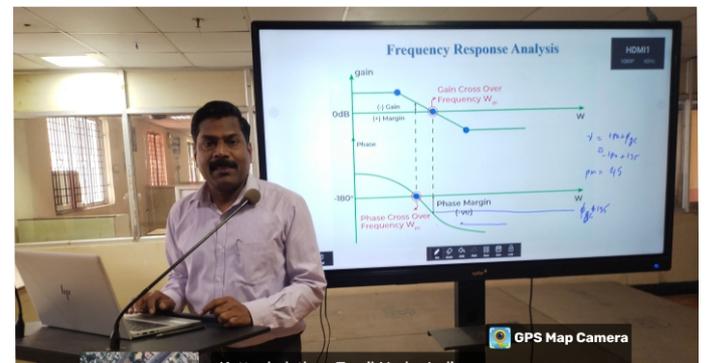
Workshop on 'Entrepreneurship Mindset Creation'

A district-level School Quiz Competition on 'Awareness on Engineering Education' was conducted for 12<sup>th</sup> students on 8<sup>th</sup> November 2024.



District-level School Quiz Competition on 'Awareness on Engineering Education'

A Five days Faculty Development program on 'Industrial Instrumentation and Process Control Systems' was conducted from 25<sup>th</sup> to 29<sup>th</sup> Nov. 2024.



5 days FDP on 'Industrial Instrumentation and Process Control Systems'

The faculty members of the Dept. of EIE visited Wonjin Autoparts India Pvt. Ltd, CMDA Industrial Estate, Maraimalai Nagar, Chengalpet on 02<sup>nd</sup> December 2024.

Dr. M. Joe Marshall A.P (Sr.G) published a paper titled 'Securing Vehicle-to-Everything (V2X) Communication in AI-Empowered Electric Vehicles' in IEEE explore, 04<sup>th</sup> October 2024.

## Department of Medical Electronics

The Department of Medical Electronics organized a National Level Technical Symposium MEDARZT'24 in association with IIPC, IIC, ISTE, IETE Student's forum & SRM VEC - CSI student branch, on 19<sup>th</sup> October 2024. Dr. N. Usha Bhanu, Head of the

Department of Medical Electronics and Convener - MEDARZT'24 delivered the welcome address. Ms.G.Kavyasri, IV Year MDE, Secretary - MEDARZT'24 delivered the inaugural address and highlighted the events in her speech. Dr. M. Murugan, Principal, delivered the Presidential address. The Convener of MEDARZT'24 then honored the chief guest. In his address, the Principal highlighted that the college conducts more than 250 events every year and that the college is doing very well under the guidance of Dr. T.R. Paarivendhar, Founder & Chancellor, Dr.Ravi Pachamoothoo, Chairman, Mrs. R. Padmapriya, Vice Chairman and Ms. R. Harini, Correspondent, SRM Group.

He emphasized the importance for students to improve their communication skills, upgrade their technical knowledge and develop leadership skills. The Introduction of the Chief Guest was given by Mr.J.Shyam, President, IV Year MDE, MEDARZT'24. The Symposium was inaugurated by the Chief Guest Mr. Nagarajan Sridharan, Vice President - Indian operation, Histogenetics India Pvt. Ltd, Chennai. In his keynote address titled 'Revolutionized instruments for disease treatment', he mentioned the recent advancements in medical technology like Smart Pill, Smart Bandage etc and the opportunities available for the students in the medical field. The Souvenir of the symposium was released by the Chief Guest to mark the beginning of the Symposium. Various committees were formed for Papers Scrutiny, Souvenir preparation, Website design and Promotion. 9 papers were scrutinized by the committee members and selected papers were presented by the students. 66 students participated in the following events and cash prizes were given to the winners.



National Level Technical Symposium MEDARZT'24

(i) Paper Presentation; (ii) Circuit Debugging; (iii) Hunter Quest; (iv) Connectobia & (v) Med-Match

Mr. C. Satheeswaran, Assistant Professor, Symposium Coordinator, MEDARZT'24, proposed a Vote of Thanks. Overall, the symposium was coordinated by Mr. C. Satheeswaran, Assistant Professor & Dr. I. Keren Evangeline, Assistant Professor along with the faculty of Department of Medical Electronics.

The Department of Medical Electronics in association with IIC, CSI, ISTE & IETE Students Forum

conducted a 5-day Faculty Development Programme on 'Integrated Circuits, Imaging Techniques and Instrumentation for Medical Applications' from 18th - 24th December 2024. The subjects focused in the faculty development programme are Integrated Circuits, Imaging Techniques and Instrumentation in order to facilitate the need of extra information for the second year, third year and final year subject handling faculty members respectively. The programme was inaugurated by Dr. N. Usha Bhanu, Professor & Head who also delivered a welcome address to the participants and shared her views on the importance of faculty development programmes. The coordinator of the faculty development programme Ms. P. Vanmathi, Assistant Professor welcomed the participants and highlighted the objective of the programme and the instructions to the participants regarding the attendance and feedback.

In session I, Ms. V.P. Sandhya, Assistant Professor/ Medical Electronics, SRM VEC presented a lecture on 'Introduction to Operational Amplifier and its applications'. In session II, Ms. V. P. Sandhya, Assistant Professor /Medical Electronics, SRMVEC explained the concepts of 'Comparator and Multivibrators'. On the second day, in session III, Ms. V. P. Sandhya, Assistant Professor /Medical Electronics, SRMVEC, described the concepts of 'Design of Combinational and digital circuits'. In session IV, Ms. A. Jeya Prabha, Assistant Professor /Biomedical Engineering, Karpaga Vinayaga College and Technology, focused on rapid advancements of 'Artificial Intelligence based diagnosis from CT and MRI images'.

On the third day, In session V, Mr. C. Satheeswaran, Assistant Professor/ Medical Electronics, SRM VEC presented a lecture on 'Basics concepts of Medical Instrumentation & Bio signal characteristics'. In session VI, Dr. M. Neela Harish, Assistant Professor /Biomedical Engineering, Eswari Engineering College, elaborated the concepts of 'Innovations in X-ray Imaging System'. On the fourth day, in session VII, Mr. C. Satheeswaran, Assistant Professor/ Medical Electronics, SRM VEC presented a lecture on 'Design of Sequential digital circuits'. In session VIII, Ms. P. Vanmathi, Assistant Professor/ Medical Electronics,



5 day FDP on 'Integrated Circuits, Imaging Techniques and Instrumentation for Medical Applications'

SRM VEC conducted 'Hands on demo session in Medical Equipment'. On the fifth day, in session VII, Mr. C. Satheeswaran, Assistant Professor/ Medical Electronics, SRM VEC elaborated on the concepts of 'Design of Sequential digital circuits'. In session VIII, Ms. P. Vanmathi, Assistant Professor/ Medical Electronics, SRM VEC conducted 'Hands on demo session in Medical Equipment'. At the end of the session, a test was conducted and feedback was collected from the participants. The faculty members of Medical Electronics and EIE participated in the Faculty Development Programme and gained knowledge in the field of Integrated Circuits, Imaging Techniques and Instrumentation for Medical Applications.

Dr. N. Usha Bhanu, Prof & Head published a paper titled 'Designing Analog and Digital Circuits with Thin and Thick Film Materials', ICTACT Journal of Microelectronics on 1<sup>st</sup> October 2024.

Ms. Venmathi V, AP - MDE, participated in a seminar titled 'Next Generation Photonic Communication Design with Optiwave' at SRMIST, Kattankulathur on 13<sup>th</sup> November 2024.

Dr. N. Usha Bhanu, Prof & Head, delivered a session in ATAL Sponsored Faculty Development Program (FDP) titled 'Prototyping and Testing Strategies in Biomedical Additive Manufacturing' on 26<sup>th</sup> November 2024.

Dr. D. Ravikumar, ASP - MDE, participated in the ATAL FDP titled 'IoT in Healthcare: Transforming Patient Care and Management' at Sri Venkateswara College of Engineering from 9<sup>th</sup> - 14<sup>th</sup> December 2024.

Ms. V. Venmathi, AP - MDE, participated in the ATAL FDP titled 'Key Technologies Enabling 5G' at Balaji Institute of Technology and Science from 9<sup>th</sup> - 14<sup>th</sup> December 2024.

Dr. N. Usha Bhanu, Prof & Head, participated in the ATAL FDP titled 'Advanced Data Science & NLP: Elevate your Research and H-Index at SRM Valliammai Engineering College from 16<sup>th</sup> - 21<sup>st</sup> December 2024.

Mr. C. Satheeswaran, AP - MDE, participated in the ATAL FDP titled 'The Digital Revolution' Innovations in Neurodegenerative Disorder Diagnostics' at Sastra Deemed Institution from 16<sup>th</sup> - 21<sup>st</sup> December 2024.

Dr. N. Usha Bhanu, Prof & Head, was the session Chair and Judge in the First National Conference on Integrative Medical Sciences (IMS) - 2024 organised by Sree Balaji Medical College and Hospital (SBMCH), Chromepet on 20<sup>th</sup> December 2024.

Ms. A. Bharathipriya, AP - MDE participated in the FDP titled 'Intelligent Antenna Technologies: The Role of AI and ML in Wireless and Bio Medical Applications SA Engineering College from 23<sup>rd</sup> - 30<sup>th</sup> December 2024.

Mr. M. Vasanthkumar, II-year MDE and his team won the Bronze medal in Anna University Zonal - IV Kabbadi Men Tournament on 7<sup>th</sup> October 2024.

Ms. Srija S, IV MDE & Dr. N. UshaBhanu, Prof & Head presented a paper titled 'Smart Yoga Mat for real-time posture detection and feedback' in the Second International Conference on Innovations in Physical Education, Sports & Yogic Sciences with leading edge technologies held at Padma Bhushan Major, Dhyan Chand Indoor Stadium, SRMIST, Kattankulathur on 8<sup>th</sup>, 9<sup>th</sup> and 10<sup>th</sup> November 2024.

Dinesh. P & Yogeshwaran S, IV - MDE was awarded the Second Prize in the National Level Inter Collegiate Technical and Management Fest at Saveetha Engineering College on 8<sup>th</sup> and 9<sup>th</sup> November 2024.

Ms. Adithya S, Ms. Srija S, Ms. Abinaya S, IV MDE & Mrs. V. P. Sandhya, AP - MDE published a paper titled 'IoT Based Patient Health Monitoring System', Gradiva Review Journal on 11<sup>th</sup> November 2024.

Mr. Dinesh P, Mr. Govindraj S, Mr. Kamalakannan R, IV - MDE & Ms. P. Vanmathi, AP - MDE published a paper titled 'An Assistance System for Immobile Patients', Technische Sicherheit on 11<sup>th</sup> November 2024.

## 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 'Advanced Manufacturing Processes' on 1<sup>st</sup> October 2024. 108 participants including faculty members, students from our college participated in this Guest lecture. The guest speaker was Mr.G.Bakiyaraj, M.E., Dy. General Manager, Sujan Contitech AVS Pvt. Ltd, Chennai.



Guest lecture on 'Advanced 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 Seminar on 'Product Design and Reverse Engineering Techniques' on 9<sup>th</sup> October 2024. 91 participants, including faculty members and students from our college, participated in this Seminar. The guest speaker was Mr. P. G. Ramanan, Director of CADDAM Technologies Pvt. Ltd, Chennai.



Seminar on 'Product Design and Reverse Engineering Techniques'

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 Composite Materials' on 20<sup>th</sup> November 2024. 54 participants including faculty members, students from our college participated in this Guest lecture. The guest speaker was Mr. Vijayakumar Nagarajan, B.Tech, MBA, Vehicle Integration planning, BMW India, Mahindra world city, Chengalpattu.



'National Pollution Prevention Day Lecture'

Guest lecture on 'Recent Trends in Composite Materials'

Third-Year Mechanical Engineering students went on a one-day industrial visit to Integral Coach Factory, Chennai, on 8<sup>th</sup> November 2024.



Industrial visit to Integral Coach Factory, Chennai

Third-Year Mechanical Engineering students went on a Two-day industrial visit to Karnataka Co-operative Milk Producers Federation Ltd, Karnataka Silk Industries Corporation Limited, and Kaynes Technology India Private Limited Mysore, Karnataka, on 22<sup>nd</sup> and 23<sup>rd</sup> November 2024.



Two-day industrial visit

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 Pollution Prevention Day Lecture' on 2<sup>nd</sup> December 2024. 43 participants including faculty members, students from our college participated in this lecture. The guest speaker was Mr. D. Arunkumar Bharathy, BE., M.Sc. (Psychology), from Health & Safety Hub - Holistic Health & Wellness, Chennai, Tamil Nadu.



FDP on 'Advancements in Design and Thermal 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 organized a Faculty Development Programme on 'Advancements in Design and Thermal Engineering' from 18<sup>th</sup> December 2024 to 20<sup>th</sup> December 2024 and 23<sup>rd</sup> December 2024 to 24<sup>th</sup> December 2024. 15 faculty members from our college participated in this Faculty



Development Programme. The guest speaker for Day One was Dr. M. Arul Prakash, Associate Professor, Mechanical Engineering, Sri Sairam Engineering College, Chennai. The guest speaker for the second day was Dr. R. Srinivasan, Assistant Professor, Mechanical Engineering, SRM Valliammai Engineering College, Chennai. The guest speaker for the third day was Dr. N. Thangapandian, Associate Professor, Mechanical Engineering, St. Joseph Institute of Technology, Chennai. The guest speaker for the fourth day was Dr. S. Suresh Pungaiyah, Associate Professor, Mechanical Engineering, SRM Valliammai Engineering College, Chennai.

The Mechanical Engineering staff went on a One-day industrial visit to SRM PR Construction Pvt. Ltd, (RMC Division) and SRM PR Autotech, Kandigai on 20<sup>th</sup> December 2024.



A One-day industrial visit to SRM PR Construction Pvt. Ltd, (RMC Division)

## Department of Computer Applications

Dr. R. Thenmozhi, Associate Professor, participated in the National Level Webinar on 'Nourishing Life: Empowering Wellness, Enriching Lives' conducted by CSI Kancheepuram Chapter on 16<sup>th</sup> October, 2024.

Mr. M. Asan Nainar, Assistant Professor (Sel.G.), successfully completed a one week Internship Programme in 'Frontend Development: Best Practices and Techniques' conducted by Marcello Tech from 24<sup>th</sup> to 30<sup>th</sup> October 2024.

Dr. D. Sridevi, Associate Professor, Mr. M. Asan Nainar Assistant Professor (Sel.G.) presented a paper at the MAHSA International Conference on Industrial Revolution, Information & Communication Technology 2024 (Mi-IRICT 2024) on 22-23 November 2024, MASHA University, Malaysia.

Dr. R. Thenmozhi, Associate Professor, Mr. M. Asan Nainar Assistant Professor (Sel.G.) , Mr. K. Maniraj Assistant Professor (S.G.) participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Advanced Data Science & NLP: Elevate Your Research and H-Index at SRM Valliammai Engineering College from 16<sup>th</sup> to 21<sup>st</sup> December 2024.

Dr. R. Thenmozhi, Associate Professor, presented two papers in a National Conference on 'Recent Research Directions and Advancements in Mathematics' organized by the Department of Mathematics, SRM Valliammai Engineering College on 21<sup>st</sup> December 2024.

Dr. R. Thenmozhi, Associate Professor, delivered a lecture titled 'Predictive Analysis and Automation using Computer Vision' on 26<sup>th</sup> December 2024 in a Five day FDP on 'Integrating AI, ML and Advanced Database Systems' organized by the Department of Information Technology, SRM Valliammai Engineering College held from 23<sup>rd</sup> to 30<sup>th</sup> December 2024.

Dr. D. Sridevi, Associate Professor received the Elite - NPTEL online certification titled 'Big Data Computing' during the period Aug-Oct 2024.

Mr. N. Leo Bright Tennisson, Assistant Professor (S.G.), achieved 'Indo-Asian Best Teacher Award 2024' hosted by IMRF Institute of Higher Education & Research, Vijayawada , Andhra Pradesh, India on 26<sup>th</sup> October 2024.

Ms. Tamilselvi S, I Year MCA-2 has won the third prize in Tamil Kavidhai - Intercollegiate Fest held on 09<sup>th</sup> October 2024 and 10<sup>th</sup> October 2024 organised by Shrimathi Devkunvar Nanalal Bhatt Vaishnav College For Women, Chromepet, Chennai.

Ms. Maladevi S, Mr. Mehul V Shah, Ms. Swetha S, Mr. Prashanth R, Mr. Rahulraagav M R and Ms.Subhiksha M from I Year MCA-2 presented a paper in a National Conference on 'Recent Research Directions and Advancements in Mathematics' organized by the Department of Mathematics, SRM Valliammai Engineering College on 21<sup>st</sup> December 2024.

Ms. Tamilselvi S, I Year MCA-2, has won the third prize in Tamil Kavidhai - Intercollegiate Fest held on 9<sup>th</sup> October 2024 and 10<sup>th</sup> October 2024 organised by Shrimathi Devkunvar Nanalal Bhatt Vaishnav College For Women, Chromepet, Chennai.

## Department of Business Administration

The Department of Management Studies, SRM Valliammai Engineering College, Kattankulathur, organised Management Meet - MANASO'24 on 6<sup>th</sup> November 2024. Dr. V. Chidhabhararajan, Director and Dr. M. Murugan, Principal, SRMVEC inaugurated the management meet. Prof. Venkat Muramalla, Head of the Department, convened the management meet. Mr Satyanarayan Yanmantram, CEO, Sri Krishna Capital, Chennai. was the Chief Guest of this Management Meet. He addressed and emphasised to the gathering the importance of management principles and entrepreneurial skills. He also explained to the students that Self-management skills are an important part of demonstrating reliability. Those

without these skills may be unpredictable, which can make an employer nervous. He extended his speech to entrepreneur skills including various skill sets such as leadership, business management, time management, creative thinking and problem-solving. The main objective of this event was to enhance and enrich the managerial and entrepreneurial skills among the students and make them great entrepreneurs in the future. Technical events such as Team Building Retreat, Fin Boegette, Brand Gala, Business whiz, Strategy Striker, Corporate Conquerors and non - technical events such as PUBG, Series Mania and Dramastistique were conducted. Various Engineering and Arts college students participated in this Management Event - MANASO'24. Following the vote of thanks and the National Anthem, the guest lecture was successfully concluded.

The Department of Management Studies, SRM Valliammai Engineering, Kattankulathur, Chengalpattu organized the Workshop on 'UNLOCKING YOUR CAREER POTENTIAL - A Comprehensive Workshop on Resume Building, Group Discussions, and Soft Skills' on 8<sup>th</sup> November 2024. First-year MBA students participated in a workshop designed to enhance their resume building, group discussion, and soft skills. Dr.M.Chithra, Head of the Department of English at SRM VEC, inaugurated the workshop by focusing on the intricacies of self-development. The session commenced with an introduction to the topic and the vital role of communication skills in both personal and professional settings. Participants explored diverse communication methods and the process of effective communication, including the sender-receiver cycle. Furthermore, they gained insight into how communication extends beyond spoken words, incorporating visual and vocal cues. Interactive group activities, focused on communication skills, fostered participant interaction and engagement.

Students of I-year MBA section 1 & 2 students visited Modern Bakers, Madhavaram, Chennai on 12<sup>th</sup> November 2024. Students were exposed to various methods and functions of a dairy firm and its processes.

Students of I-year MBA section 3 & 4 students visited Modern Bakers, Madhavaram, Chennai on 25<sup>th</sup> November 2024. Students were exposed to various methods and functions of a dairy firm and its processes.

The Department of Management Studies, in association with Institution Innovation Council (IIC) and Industry Institution Partnership Cell (IIPC), under the initiative of Entrepreneurship Development Cell organised an event Bounty Bazaar'24 on 19<sup>th</sup> and 20<sup>th</sup> November 24. The prime objective is on fostering an entrepreneurial ecosystem by nurturing the entrepreneurial ideas and skills among MBA

students. The inauguration commenced with the ribbon-cutting ceremony by the Director of SRM VEC, the Principal, and the Head of the MBA Department, marking the opening of Bounty Bazaar 2024. The dignitaries visited all the stalls and interacted with the students, motivating their entrepreneurial mindset. Coordinators Dr. J. Anand and Dr. E.P. John organized this two-day event in an exemplary manner, with 14 stalls operated by MBA students. The bazaar engaged all participants with food stalls, games, accessories, and more. It attracted nearly 700 participants from Engineering Departments, MCA, and sister institutions. This event aimed to provide a platform for students to showcase their business ideas and products, as well as to learn essential business skills.

## Department of English

The Department of English, under the auspices of Burke Club, organised 'Series Critique - A Battle of Reviews' competition on 18<sup>th</sup> October 2024. The first year students displayed their talents with great enthusiasm. Mr Abhishek David John /AP(O.G) and Mr. Andrew Veda /AP(O.G) were the resource persons for the day. Dr. Sheeba Manodh /AP(Sel.G) was the coordinator of the event.



'Series Critique - A Battle of Reviews' competition

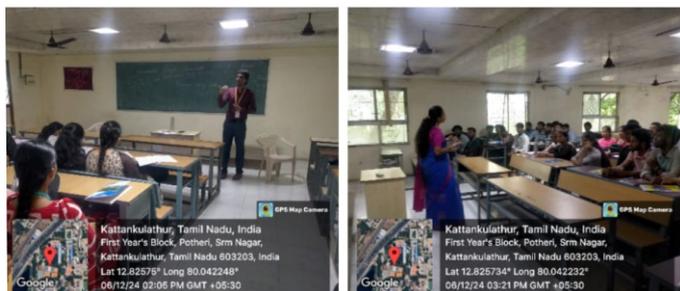
The Department of English, under the auspices of Eclectic Lingua, organised Linguathon-I - a series of competitions comprising Shipwreck, Tale Spinning, Pictorial Narrative, Adzap, Poster Making and Tongue Twister competition for the first year students from



Linguathon-I - a series of competitions

21st to 28th October 2024. Dr. V. Jayanthi /AP (Sr.G), and Dr. M. Arthi /AP (Sr.G), were the coordinators for the event.

Dr. M. Chithra, Head, Department of English, Dr. Sheeba Manodh /A.P (Sel.G), Dr Geetha /A.P (Sr.G), Dr.V.Jayanthi /A.P (Sr.G), Dr. M. Arthi/A.P (Sr.G), Mr Abhishek David John /A.P(OG), Ms. S. Roshan Fathima /AP(O.G), Ms. G. Suganya /AP (O.G) and Mr. Andrew Veda /AP(OG) were the resource persons for the workshop on communication skills and personality development organized for the MBA students. It was held on 8<sup>th</sup> November 2024. The students involved themselves actively in the workshop.



Workshop on Communication Skills and Personality Development organized for the MBA students

The Department of English, under the auspices of Burke Club, organised 'Voices Unheard - The Untold Autobiographies of Inanimate Objects' on 29<sup>th</sup> November 2024. The first year students displayed their talents with great enthusiasm. Mr. Abhishek David John /AP(O.G) and Mr. Andrew Veda /AP(O.G) were the resource persons for the day. Dr. Sheeba Manodh /AP(Sel.G) was the coordinator of the event.

Mr. Abhishek David John /AP (O.G) was invited to give an expert lecture on 'Leveraging Technology for Enhanced Communication' on 14<sup>th</sup> December 2024 at SIMATS Engineering, Chennai. Mr Andrew Veda /AP (O.G) was invited to give an expert lecture on 'Decoding Bias: An Interdisciplinary Approach to Understanding 'Single' Stories' on 13<sup>th</sup> Nov. 2025 at Kristu Jayanti College (Autonomous), Bengaluru.



Expert Lecture on "Leveraging Technology for Enhanced Communication"

The Department of English, under the auspices of Eclectic Lingua, organised a workshop on 'The Power of Professional Communication - Building Strong Communication' for MCA students on 6<sup>th</sup> December 2024. Ms. S. Roshan Fathima /A.P (O.G), Ms. G.Suganya /A.P (O.G) and Mr. Andrew Veda /A.P(O.G) were the resource persons for the day.

## Department of Physics

The Department of Physics conducted a school event for the XI standard students of Sri Ramakrishna Mission Matriculation Higher Secondary School, Chengalpattu, to showcase the various programmes offered in our college and to create an insight about the latest technology related to different courses on 8<sup>th</sup> October 2024.



School Event

Dr. M. Anbucheziyan, Prof. & Head chaired the oral presentation in an International conference on 'Smart materials for green energy and environmental sustainability (SMaGEES-2024)' organized by the School of Physical and Chemical Sciences, Crescent Institute of Science and Technology, Chennai on 12<sup>th</sup> December 2024.

Dr.S.Padmaja, Asst Prof, Ms. S. Sowmiya, Asst Prof and Ms. S.Madathy Babu, TRA attended an online course on 'Polymers for Medical Application' organized by CIPET, Kochi from 10<sup>th</sup> December and completed a 40 hours course.

## Department of Chemistry

Dr. J. Krishnamurthi, Assistant Professor (Sr.G) received an Elite certification in NPTEL Online Course on 'Quantum Chemistry of Atoms and Molecules' during October 2024.

Dr. N. Jayaprakash, Assistant Professor (Sr.G) was awarded the Certificate of Excellence in Reviewing by 'Discover Applied Sciences' in recognition of his outstanding contribution to enhancing the quality of the journal on 4<sup>th</sup> October 2024.

The Department organised a Guest Lecture on 'Surface Chemistry and Catalysis' on 25<sup>th</sup> October

2024. Dr. S. Narayanan, Deputy Manager (R & D), Manali Petrochemical Ltd, Chennai, Tamil Nadu was the Resource Person. Around 93 students, from various departments and faculty members from multiple institutions attended the guest lecture.



Guest Lecture on 'Surface Chemistry and Catalysis'

In the International Conference on Multifunctional Advanced Materials (ICMAM - 2024), organised by Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Avadi, Chennai from 28<sup>th</sup> to 30<sup>th</sup> October 2024, two staff members from the Department of Chemistry presented papers.

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

Ms. S. Charumathi, Teaching & Research Associate presented a paper on 'Synthesis and analysis of a composite membrane comprising Polyvinylidene Fluoride (PVDF) incorporated with a blend of Polyethyleneimine (PEI) and Polyvinylpyrrolidone (PVP)'.

Dr. P. Maheswari, Assistant Professor (O.G) presented a paper on 'Thin-film composite ultrafiltration membranes composed of PVDF/PEI and n-TiO<sub>2</sub>'.

The Department organized a Guest lecture on Nanomaterials on 21<sup>st</sup> November 2024. The Guest Speaker was Dr. K. Mani Rahulan, Assistant Professor, Department of Physics & Nanotechnology, College of Engineering & Technology, SRM Institute of Science & Technology, Kattankulathur, Tamil Nadu, India. 99 students, from various departments and faculty members from multiple institutions attended the guest lecture.



Guest lecture on Nanomaterials

## Department of Mathematics

Dr. M. Palanikumar /Assistant Professor (O.G) published a paper titled, 'On Various Classes of one-sided Ideals in b-semiring generalization', in the International Journal of Innovative Computing, Information and control, 20(5), 1349-4198, 2024.

Dr. M. Palanikumar /Assistant Professor (O.G) published a paper titled, 'Different algebraic structures and their properties setting logarithm operator applied to extended neutrosophic interval-valued set', in the International Journal of Neutrosophic Science, 25(3), 92-10, 2024.

Mr. N. Sundarakannan /Assistant Professor (O.G) published a paper titled, 'Complex cubic Intuitionistic fuzzy set applied to subbisemirings of bisemirings using homomorphism', Communication on Applied Nonlinear Analysis, vol.32, No. 3, October 2024.

Dr. V. Vijayalakshmi / Associate Professor acted as a resource person in the Webinar, 'The art of research writing', at SRM Madurai College of Engineering and Technology on 13<sup>th</sup> November 2024.

Dr. T. Isaiyarasi /Associate Professor and HOD, Dr.V.Vijayalakshmi / Asso. Prof., Dr.S.Bhooma/ Assistant Professor(O.G) and Ms. A. Karpagam /Assistant Professor(O.G) were granted a patent titled, 'IOT-based smart city traffic control system ', in IPR-Indian Patent number : 426275-001.

The Mathematics Association 'EULER.COM' organized 'National Conference on Recent Research Directions and Advancements in Mathematics, on 21<sup>st</sup> December 2024. In the first session Dr. B. Gayathri, Associate Professor, Department of Computer Science Engineering, Bishop Heber College (Autonomous), Tiruchirappalli delivered a lecture on how to build a



National Conference on 'Recent Research Directions and Advancements in Mathematics'

platform in presenting research concepts in Mathematics and its Applications in day-to-day life. The participants explored the applications of Linear Algebra, Differential Equations, Probability, and Differential Calculus in the fields of Artificial intelligence, machine learning, quantum computing and deep learning. In the second session, Dr.P.Vimala,

Professor, Department of Mathematics, Anna University CEG Campus, Chennai delivered the talk on Nano fluids flow in Thermal effects and also the application of Nano fluids in the medical field. The conference provided the platform for the students, faculty and research scholars to present their ideas of Mathematics and its applications in Science, Engineering and Technology.

Ms. V. Nagarani/Assistant Professor (O.G) participated in a One-week STTP on LaTeX CSSR & SRRM organised by Degree & PG College on 2nd December 2024 to 7<sup>th</sup> December 2024.

Dr. V. Vijayalakshmi /Associate Professor participated in IIST FDP on Recent Developments in Pure and Applied Mathematics organised by SRM-TRP Engineering College on 09<sup>th</sup> December 2024.

Dr. V. Vijayalakshmi /Associate Professor participated in IIST FDP on Recent Developments in Pure and Applied Mathematics organised by Indore Institute of Science and Technology from 23<sup>rd</sup> to 28<sup>th</sup> December 2024.

Dr. A. N. Revathi /Assistant Professor (O.G) published a paper titled, 'A Neutrosophic Fixed Charge Multi Objective 4 dimensional Multi item Transportation Problem with Carbon Emission and Budget Constraints', in the Journal of Neutrosophic Sets and Systems, vol. 78, 2025.

## SPORTS

Our SRM VEC Basketball Women's team won the Gold Medal in the Independence Day Cup 2024 State Level Inter Collegiate Basketball Women's Tournament organized by Shiv Nadar University, Chennai on 29<sup>th</sup> October 2024.

Our SRM VEC Ball Badminton Women's team won the Gold Medal in the Anna University Zone IV Ball Badminton (Women) Tournament 2024 organised by the Madras Institute of Technology, Chennai on 10<sup>th</sup> October 2024.

Our SRM VEC Kabaddi Men's team won the Bronze Medal in the Anna University Zone IV Kabaddi (Men) Tournament 2024 organised by the Dr. K. Vasudevan Padmavathi Engineering College, Chennai on 7<sup>th</sup> October 2024.

Our SRM VEC student Mr. A. Santhana Bharathi, III-ECE, Won the First Prize and Best GoalKeeper Award in the 5s Football Tournament held at Ramnad on 11<sup>th</sup> & 12<sup>th</sup> Oct.2024.

Our SRM VEC student Mr. Mohammed Mustak, IV-Civil participated and won the Third Place in the Two State level (AP & Telangana) Ball Badminton (Men) Tournament held at Andhra Pradesh on 11<sup>th</sup> & 12<sup>th</sup> October 2024.

Dr. N. Ganapathy, DPE represented as a selection committee member to select the Anna University

Badminton Men's team also he represented as a coach to this team and participated in the South Zone Inter University Badminton (Men) Tournament organized by the SRM IST, Chennai from 26<sup>th</sup> to 29<sup>th</sup> October 2024.

Our SRM VEC student Mr. A.T. Srinivasan, IV-EIE, selected and represented as a player for the Anna University Badminton Men's team participated in the South Zone Inter University Badminton Men's Tournament organized by the SRM IST, Chennai from 26<sup>th</sup> to 29<sup>th</sup> October 2024.

Our Women's Athletic team won Overall Championship First Position with 11 medals, (Gold – 7, Silver – 2, Bronze – 2) and Men's Athletic team won 6 medals (Silver – 3, Bronze – 3) in the Anna University Zone – IV Athletics (Men & Women) Meet 2024-25 organized by Tagore Engineering College, from 5<sup>th</sup> to 6<sup>th</sup> Nov 2024.

Our SRM VEC Basketball Men's & Women's teams participated in the State Basketball Championship tournament 2024 organised by Tamilnadu Basketball Association, Chennai from 6<sup>th</sup> to 9<sup>th</sup> November 2024.

Our SRM VEC student Mr. J. Leroy Laszber, I-EIE, selected and represented the Anna University team and participated in the South Zone Inter University Tennis Men's Tournament held at University of Kerala, Thiruvananthapuram from 22<sup>nd</sup> to 26<sup>th</sup> November 2024.

Dr. N. Ganapathy, DPE represented as a selection committee member to select the Anna University Aquatics (Men & Women) team organized by the Easwari Engineering College, Chennai on 28<sup>th</sup> November 2024.

Our SRM VEC student, Mr. M.Karthikeyan, I-ECE, won the Gold Medal (Kumite event) & Silver Medal (Kata event) at Chengalpattu District Karate Championship 2024, organized by Do Karate Association on 8<sup>th</sup> December 2024. Also he was selected for the State Championship.

Our SRM VEC Basketball Women's team participated in the Anna University Inter Zonal (State Level) Basketball Women's Tournament organized by Hindustan College of Engineering & Tech., Coimbatore on 8<sup>th</sup> December 2024.

Our SRM VEC student, Ms. R. Sivani, II-Mech, selected and represented as a player for the Anna University Basketball Women's team participated in the South Zone Inter University Basketball Women's Tournament organized by the Mahatma Gandhi University, Kottayam, Kerala from 20<sup>th</sup> to 24<sup>th</sup> December 2024.

Dr. N. Ganapathy, DPE & Dr. K. Thiruppathi, Asso. Prof. Won the Silver Medal in the State Level Inter Engineering College Faculty Badminton (Men) Doubles Tournament held at MEPCO Schlenk Engineering College, Sivakasi on 20<sup>th</sup> & 21<sup>st</sup> December 2024.