

NEWSLETTER

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Our SRM VEC Student Mr.M.Vikkass Shethra Balan, II-ECE, won the First Place with Cash Prize Rs.6000, in the State Level Badminton Men Doubles Tournament held at Tirunelveli on 20th April 2024.

Our SRM VEC Sports teams received the winning trophies for the academic year 2023-24 from the Anna University Zone IV Tournaments 2023-24 valedictory function organized by Sri Sairam Institute of Technology, Chennai on 24th April 2024.

Our SRM VEC Basketball Women team participated in the State Level Basketball Women Tournament organized by Rising Star Basketball Club, Chennai on 27th April 2024.

Our SRM VEC Student Mr.K.Vasanthakumar, IV-Mech, represented the Anna University team and won the Fourth Place in the All India Inter University Ball Badminton Men Championship 2023-24 held at Jeppiaar University from 30th May to 3rd June 2024.

Dr.N.Ganapathy, DPE participated in a Seven day International Faculty Development Programme organised by SRM IST, Kattankulathur from 14th to 20th June 2024.

Department of Civil Engineering

The 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 organized a National workshop on 'Quantity Surveying and Building Estimation' on 2nd April 2024. The workshop was conducted by Aladdin Academy, Tambaram - Chennai. Around 50 Civil Engineering students from our institution participated.



National workshop on 'Quantity Surveying and Building Estimation'

Ms. K.Tharini- Assistant Professor, Department of Civil Engineering delivered a Guest lecture on 'Prototype/ Process Design and Development' organised by Institution's Innovation Council association with Department of Agricultural Engineering for the Agricultural Engineering students on 24th April 2024. Around 60 participants from our institution participated.



Guest lecture on 'Prototype/ Process Design and Development'

Lokeshri.S, Second year Civil Engineering student participated in the event 'IEEE CS Tech Savants Carnivals'24' at S.A Engineering College on 29th & 30th April 2024.

The Department of Civil 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 Five Day Faculty Development Programme (FDP) on 'Application of Mechanics in Highway Engineering' from 16th May 2024 to 22nd May 2024.



Five Day FDP on 'Application of Mechanics in Highway Engineering'

Dr.D.Elango - Professor & Head/Civil, completed NPTEL courses 'NATE Accreditation and Teaching - Learning in Engineering' under Elite Silver category.

Dr.S.Suresh Babu - Associate Professor, completed NPTEL course 'NATE Accreditation and Teaching - Learning in Engineering' under Elite category.

G.R.Iyappan - Assistant Professor, completed NPTEL course 'Optimization Methods for Civil Engineering' under Elite category.

National Conference



The Department of Civil Engineering, in association with the Institution of Engineers (I), Indian Society for Technical Education, Institution's Innovation Council, Internal Quality Assurance Cell and Industry-Institute Partnership Cell organized National Conference titled 'Recent Trends & Innovations in Civil and Agricultural Engineering (RECTICA'24)' on 17th April 2024. The Chief Guest for the conference was Dr. C. Umarani Director, Centre for Research, Anna University, Chennai. Around 100 participants from our institution and outside colleges participated.

Department of Agricultural Engineering

Ms. K.Tharini- Assistant Professor, Department of Civil Engineering delivered a Guest lecture on 'Prototype/ Process Design and Development' organised by Institution's Innovation Council association with Department of Agricultural Engineering for the Agricultural Engineering students on 24th April 2024. Around 60 participants from our institution participated.



Guest lecture on 'Prototype/ Process Design and Development'

The 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 Five Day Faculty Development Programme (FDP) on 'Application of Fluid Mechanics in Irrigation Systems' from 22nd to 28th May 2024.



Five Day FDP 'Application of Fluid Mechanics in Irrigation Systems'

The Department of Agricultural Engineering faculty members went on an industrial visit to 'Agricultural Technology Information Data Centre', Kattupakkam on 22nd May 2024.



Industrial visit to 'Agricultural Technology Information Data Centre'

Dr.A.Leema Rose - Professor & Head/Agri, successfully completed NPTEL course 'NATE Accreditation and Teaching - Learning in Engineering' under Elite Silver category.

Ms.P.Dhivya, Assistant Professor successfully completed NPTEL course 'Research Methodology' under Elite Silver category.

Dr.A.Leema Rose - Professor & Head/Agri, delivered a keynote speech titled on 'Ethical Implications in Global Research' at Vellore Institute of Technology, Chennai on 20th June 2024.

Ms.P.Dhivya - Assistant Professor, fetched an IE(I) grant for the two day National seminar titled 'Advanced Technologies in Agriculture for Sustainable Development and Its Applications' during August 1 & 2, 2024 under Agriculture Engineering Division.

SRMVEC CSI - Student Branch



The Third Annual Award Ceremony of the Computer Society of India (CSI), Kancheepuram Chapter, was held in a grand manner at SRM Valliammai College of Engineering. Dr. M. Murugan, Principal of SRM Valliammai College of Engineering and the immediate past Chairman of the CSI Kancheepuram Chapter, delivered the welcome address. The event was inaugurated by the chief guest, Mr. Naveen Karunakaran, Technical Manager at HCL Technologies, who also delivered the keynote address. In his speech, Mr.Karunakaran highlighted the importance of fostering technological innovations through such computer community systems. The event was coordinated by Dr.M.Senthil Kumar, Student Branch Counsellor of CSI. The ceremony celebrated outstanding achievements and contributions in the field of technology, with awards presented in various categories, including the Kancheepuram Division Best Performance Award and the Best Technical Works Award at the college level. Additionally, the office-bearers of the CSI Kancheepuram Division for the year 2024-2025 were announced, with Dr.M.Senthil Kumar elected as the new Chairman.

Department of Computer Science & Engineering

Dr.K.Shanmugam and Dr.B.Vanathi published a paper on 'Humming bird optimization based deep belief neural network for Tamil handwritten character recognition' in the International Journal of Biomedical signal processing and control, May 2024.

Dr.A.Samydurai/Prof published a paper on 'The resilience of Hermite-Gaussian and orbital angular momentum modes for free space optical communication in atmospheric turbulence' in J Opt, April 2024.

Dr.A.Samydurai/Prof published a paper on 'The resilience of Hermite-Gaussian and orbital angular momentum modes for free space optical communication in atmospheric turbulence' in Signal, Image and Video Processing, April 2024.

Ms.S.Suma/AP published a paper on 'Fuzzy optimal solution for the shortest mapping in the

univariate search approach using decagonal fuzzy numbers.' in journal of basic science and engineering, April 2024.

Dr.M.Mayuranathan published a paper on 'Artificial Intelligent based Models for Event

Extraction using Customer Support Applications' in IEEE Xplore, ISBN: 979-8-3503-2579-9, Apr2023.

Ms.S.Suma, Ms.A.Vidhya and Ms.A.Lalitha authored a book titled 'DataBase Management System' published by Charulatha Publications with ISBN NO: 978-93-6260-568-9.

A five day FDP was conducted on the topic 'Transforming Research to Reality' from 4th to 10th June 2024. The Resource person was Dr.S.Ramamoorthy, SRMIST and Dr.A.Arokiaraj, SRMIST.



A five day FDP on 'Transforming Research to Reality'

A workshop was conducted on the Topic 'Artificial Intelligence' on 15th Apr 2024. 30 students participated in the event.

A Technical event 'Algorithmic C Adrenaline Rush' was conducted 24th April 2024.

A Technical Paper Connect event was conducted on 15th May 2024.

MoU



The Department signed an MOU with 'IQMath Technologies', Chennai for conducting Workshops, Seminars, Internship, Industry projects, FIIP activities and Incubation Process in the field of Data Science, Data Analytics and Artificial Intelligence for students and staff.

Department of Cyber Security

The White-Hatians Club of Cyber Security Department has organized a workshop on 'Network Threats and Attacks' on 22nd April, 2024. The resource person of the event was Mr. B. Dhivakar, Technical Lead at Hebesec Technologies. The workshop commenced with a welcome address by Dr.M.Senthil Kumar, Head of the Department. An introduction to the speaker was given by Mr.S.Giridharan, Assistant Professor. The event concluded with a vote of thanks proposed by Ms. M. Raghavi, Assistant Professor. The workshop significantly increased student's awareness of cybersecurity risks and equipped them with practical skills for protecting their networks. The participants gained a comprehensive understanding of the threat landscape and learned essential techniques for detecting, mitigating, and responding to network threats. The hands-on lab session provided valuable practical experience, enhancing students' abilities to apply their knowledge in real-world situations.



Workshop on 'Network Threats and Attacks'

St. Joseph's Institute of Technology conducted InnovateXpo24 Project Expo at on April 24, 2024. The esteemed jury for the event included Dr. M. Senthil Kumar, Professor and Head of the Department of Cybersecurity from SRM Valliammai Engineering College.

The Department conducted a five-day Faculty Development Program (FDP) on 'Recent Trends in Cyber Security' from May 27, 2024, to May 31, 2024. The programme was led by Mr.Manibharathy Karunakaran, Founder & CEO of CSUITE TECH Labs, Coimbatore, Tamil Nadu. The FDP brought together 25 dedicated staff members who participated enthusiastically to enhance their knowledge in the latest trends in cyber security. Mr. Manibharathy Karunakaran, with his extensive expertise, delivered insightful sessions covering various contemporary topics in the field. The sessions were highly interactive, providing participants with the opportunity to engage directly with the speaker and discuss real-world challenges and solutions. The programme aimed to equip the faculty with the most



FDP on 'Recent Trends in Cyber Security'

recent tools, techniques, and best practices in cyber security, ensuring they could effectively teach and mentor their students in this critical area.

Department of Electronics and Communication Engineering

The Department of Electronics and Communication Engineering organized a special lecture on 17th May 2024 to celebrate World Telecommunication Day, for the II Year ECE students. The event featured Shri R. Baskar, Sub Divisional Engineer at Bharat Sanchar Nigam Limited (BSNL), as the chief guest. Coordinated by Dr. C. Saravanakumar and Dr. N. Jothy, and convened by Dr. Komala James, Professor and Head of the Department of ECE, the event aimed to provide students with an understanding of current trends and future prospects in telecommunications. Shri R. Baskar delivered an insightful lecture on the evolution from analog to digital technologies, emphasizing the impact of 5G and its role in revolutionizing sectors like healthcare and smart cities through IoT. Following the lecture, an interactive session allowed students to engage directly with Shri R. Baskar, enhancing their understanding of the industry's practical applications and future opportunities. The event successfully bridged the gap between theoretical knowledge and real-world applications, offering students a comprehensive view of the telecommunications landscape. The celebration of World Telecommunication Day at SRM VEC inspired



Special Lecture to celebrate World Telecommunication Day

International Conference



The Department of ECE, SRM Valliammai Engineering College organized an International Conference on 'Emerging Technologies in Communication and Signal Processing' (ICETCSP 2024), on 25th April 2024. The International Conference was convened by Dr. Komala James, Professor & Head of the Department of ECE, SRM VEC. Initially, the welcome address was delivered by the Dr.S. Ramesh, Professor and Co-Convener of the conference, Department of ECE, SRM VEC. The Presidential address was given by Dr. M. Murugan, Principal, SRM VEC. Mrs.S.Abirami, Assistant Professor, Department of ECE, introduced the chief guest Mr.Manikandan Loganathan, Senior Manager, Cognizant Technology Solutions, Chennai. The chief guest delivered the inaugural address and spoke about the importance of communication and the role of Electronics involved in the payment transaction between the merchant and client with the authorization procedure. The chief guest released the e-Proceedings of the International Conference, ICETCSP 2024. The Inauguration session ended with the vote of thanks by the Co-Convener, Dr.G.Udhaya Kumar, Professor, Department of ECE. The Invited Talk was given by Dr Abdul Rahim Sadiq Batcha, Associate Professor, Faculty of Engineering, Built Environment & IT, MAHSA University, Malaysia where he briefly discussed the Emerging Technologies in communication through online mode. He referred to the Data Networks used in IoT devices and Edge Computing. The technical sessions were conducted with 45 accepted technical papers in recent research domain. The sessions were conducted in 3 tracks: one in online mode and the other 2 in offline mode.

students to pursue innovative solutions and affirmed the departments commitment to engaging students with industry experts and technological advancements.

The Department of ECE organized the FDP on 'Solid State Circuits for Wireless Communication Networks' in association with IIC, ISTE, IETE students forum & SRM VEC CSI student branch, between 20th May 2024 to 24th May 2024. Dr.S.R. Preethi, Assistant Professor in ECE, welcomed the audience and introduced the esteemed speaker. The programme was attended by 18 faculty members and included



FDP on 'Solid State Circuits for Wireless Communication Networks'

eight sessions presented by two internal and three external resource individuals. The external resource persons included Dr.S.Chitra, Professor at Rajalakshmi Engineering College, Thandalam; Dr.K.Kalaivani, Associate Professor at SRM Easwari Engineering College, Chennai; and Dr. S. Markkandan, Assistant Professor at Vellore Institute of Technology, Chennai. The internal resource persons were Dr. D. Judson, Associate Professor, and Dr.J.Premalatha, Assistant Professor, both from SRM Valliammai Engineering College, Chennai. As part of the Faculty Development Programme, an industrial visit to Vendhar TV was scheduled on 24th May 2024, providing a practical insight into the industry for the participating faculty members. The vote of thanks was proposed by Mrs. K. Arthi, Assistant Professor in Electronics and Communication Engineering.

Dr. Komala James, Professor and Head of the ECE Department, was honoured with the 'Women Leadership Award' by the Kancheepuram Chapter of the Computer Society of India in May 2024.

Dr. Subhashini. N, Associate Professor in the ECE Department, received the 'Innovative Project Award' from the Computer Society of India's Kancheepuram Chapter Level Awards May 2024.

Dr. Subhashini. N, Associate Professor/ECE, Dr.M.Murugesan, Professor/Principal, Dr. Usha Bhanu. N, Professor and Head/MDE, and Dr. C. Amali, Associate Professor/ECE, were awarded a patent titled 'Radio Frequency Energy Scavenging System for Sustainable Power to Health Care Devices' in June 2024. (Patent No. 542482, Application No. 202241008212).

Dr. Saravanakumar. C, Assistant Professor and Dr.Usha Banu. N, Professor and Head of the Medical Electronics department published a paper titled 'Estimating R, L and C in Arithmetic Circuits using ML' in International Research Journal of Multidisciplinary Scope (Scopus) during the month of April, 2024.

Dr. Saravanakumar. C, Assistant Professor published a paper titled 'LI-FI Solutions for Arduino and Prototyping Boards' in IEEE conference during the month of May, 2024

Tharunlogesh. V, Varun Prakash. R, and Dr.C.Amali, Associate Professor in the ECE department, published a paper titled 'Maritime

Frontier Line: For Border System in Unsafe Territories' in the Scopus-indexed journal Technische Sicherheit in June 2024.

Dr. Amali. C, Associate Professor in the ECE department received SRMVEC fund of Rs. 5000 for the project titled 'Maritime Border Controlling system' during the month of April,2024.

Ms. Lekha. K, Assistant Professor, successfully defended her Ph.D. viva-voce titled 'On the Design and Analysis of Monopole-based MIMO Antenna Variants for Vehicular Communications' on April 15, 2024.

A Ph.D. Open Seminar was conducted on 16th April 2024, for the confirmation of provisional registration of the scholar Mr. V. Prasanan. The seminar, titled 'Composite Reconfigurable Filtering Dielectric Resonator Antenna for Vehicular Communication,' was held under the guidance of Dr. S. Ramesh, Professor in the ECE department.

A Ph.D. Open Seminar was conducted on 17th April 2024 via Microsoft Teams for the confirmation of provisional registration of the scholar Ms. P. Pavithra. The seminar, titled 'Frequency Selective Surface Based Polarization Converter for X-Band Applications,' was held under the guidance of Dr. S. Ramesh, Professor in the ECE department.

Ms.Arthi. K, Assistant Professor and Dr.Chidhambararajan. B, Director and Professor, Department of ECE, published a chapter titled 'Advanced Enabling Technologies of IoMT in Personalized Healthcare' in June 2024.

Dr. Preethi S.R, Associate Professor, Ms.Arthi. K and Ms.Abirami. S, Assistant Professors in the ECE department, published a Scopus-indexed journal paper titled 'IoT and Machine Learning Integration for Enhanced Community Health Management Using Smart Drug Delivery System' in Community Practitioner in June 2024.

Dr. Judson. D, Professor in the ECE department, published an SCI journal paper titled 'A Low-Complexity Transceiver Scheme for Joint DFT Pre-coded DWTSC-FDMA NOMA System under Dissimilar Power Allocation Strategies' in Academy Proceedings in Engineering Sciences in June 2024.

Dr. Preethi. S.R, Associate Professor and Dr.Murugan. M, Professor in ECE department published a SCI Journal titled 'Aka-Net: Anchor free based Object Detection Network for Surveillance Video Transmission in the IoT Edge Computing Environment' in Pattern Analysis and Applications during the month of June, 2024.

Mr. Starwin. M successfully defended his Ph.D. viva-voce titled 'Performance Analysis of Complementary Coded CDMA Systems for Uplink Transmission with Different Detection Schemes' on 26th June 2024, under the guidance of Dr. D. Judson, Professor in the ECE department.

Students participated in internships and training programmes at various companies in both core and IT

domains. These companies included Turing, TCS NQT, Movate, Foxconn, Stat Perform, Intellipaat, Zoho, Hexaware PGET, CTS, MulticoreWare, Propel, Dematic, TCS, NxtWave, Under.Inc, and Flipkart, providing students with valuable industry experience.

Karthikeyan. D, a final-year ECE student, secured a position at Multicore ware in core with a salary package of 7.2 LPA.

Four students from the ECE department were placed at CTS-Genc, each with an annual salary offer of 4 LPA.

Paarivendhar Manavar Tamil Mandram

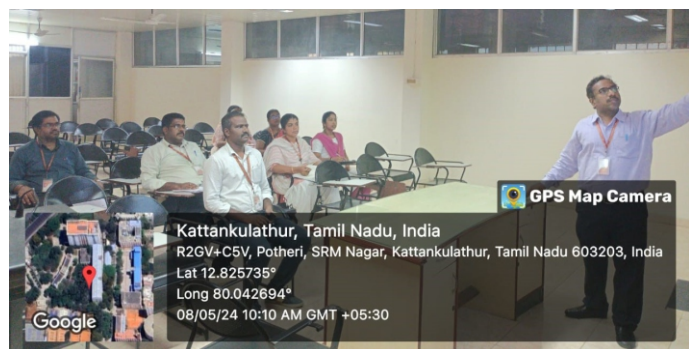
Dr.K.Shanmugam, AP(Sr.G)/CSE published a Tamil Technical article in Dinamani titled on 'Artificial Intelligence Applications in Agriculture' on 24th April 2024.

Dr.K.Shanmugam, AP(Sr.G)/CSE published a Tamil Technical article in Ulaga Tamil magazine titled on 'AR and VR concepts' on 29th May 2024.

S.Kaviya, Second year/CSE and Bharanitharan, Second year/Mechanical participated in the Zonal Speech competition on 26th May 2024 conducted in connection with Dr.Kalignar Karunanithi Birthday celebration.

Department of Electrical and Electronics Engineering

The department conducted a five-day Faculty Development Programme on the topic 'Electric circuit analysis and Digital Signal Processing' from 6th May 2024 to 10th May 2024. The Resource Persons were Dr. R. Hannah Lalitha, Assistant Professor, Electrical and Electronics Engineering, Mrs. G. Valarmathi, Associate Professor, Electronics and Communication Engineering, Sri Sairam Institute of Technology, Dr.S.Malathi, Professor, Electrical and Electronics Engineering, SRM Valliammai Engineering College and Dr.G.Udhayakumar, Professor, Electronics and Communication Engineering, SRM Valliammai Engineering College.



Five-day FDP on 'Electric circuit analysis and Digital Signal Processing'

Faculties of Electrical and Electronics Engineering department went on an Industrial visit to Retech Lasers, Varadharajapuram, Chennai on 10th May 2024.

SRM Group of Institutions



Industrial visit to Retech Lasers, Varadharajapuram, Chennai

Third year students went on an Industrial visit to North Chennai Thermal Power station-II, Athipattu, Chennai on 17th May 2024.



Industrial visit to North Chennai Thermal Power station-II, Athipattu, Chennai

Dr.K.Elango, Professor and Head, published an article in the SCI Journal, 'A Multi-Objective Approach with Modified Particle Swarm Optimization and Hybrid Energy Systems', Technical Gazette, ISSN: 1330-3651.

Dr.S.Malathi, Professor published an article in the SCI Journal, 'Horse herd Optimization with gate recurrent unit for an Automatic classification of

National Seminar



The department organized a National Seminar on the topic 'Recent trends in EVehicles' on 1st April 2024. The Resource Persons were Dr.G.Mahalakshmi, Head of Research and Development, Evnexus Private Limited, NCBS Colony, Nanganalur, Dr. V.Prabhu, Technical Consultant, S.K.Powercon Fabricators, Perumal Nagar, Sithalapakkam and Dr.P.Balamurugan, Associate Professor, School of Electrical Engineering, Vellore Institute of Technology, Chennai.

different facial skin disease', Journal of Imaging informatics in medicine.

Ms.S.Vanila, AP(Sel.G) published a book chapter 'Exploratory Data Analysis and Energy Predictions with Advanced AI and ML Techniques' in the book titled 'AI approaches to Smart and Sustainable Power Systems'.

Ms.S.Vanila, AP(Sel.G) and Dr.K.Elango, Professor & Head published a book chapter 'Enhancing Password Security with Machine Learning-Based Strength Assessment Techniques' in the book titled 'Machine Learning and Cryptographic Solutions for Data Protection and Network Security'.

Ms.S.Vanila, AP(Sel.G) published a book chapter 'Machine Learning Applications in Behavioural Authentication Data using Gait Analysis' in the book titled 'Machine Learning and Cryptographic Solutions for Data Protection and Network Security'.

Karthikeyan Gopalakrishnan, Jaishankar Athisivan and Dr.S.Malathi, Professor published a paper titled 'Design of Secluded Energy Meter for Tampering and Unauthorized Access Detection in Smart Grid', Suranaree Journal of Science and Technology, Vol 1,2024.

NPTEL Local Chapter

Nearly 39 students and 42 Faculty members successfully completed the NPTEL online examination during the period April - June 2024 from SRM Valliammai Engineering College NPTEL Local Chapter.

Our College is recognized as Active Local Chapter under the category of ASPIRANT based on the performance of participation of online NPTEL certification for the session January-April 2024.

Sivaraman V from the Department of Agriculture Engineering and Sathishkumar B from the Department of Artificial Intelligence and Data Science were Toppers in the courses 'Traction Engineering' and 'Introduction to Internet of Things' respectively in the session Jan-April 2024.

Mr Sattainathan Sharma, AP / Civil received the Mentor certificate for the NPTEL online course – Concrete Technology.



Department of Electronics and Instrumentation Engineering

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

A Mini Project expo was conducted on 26th April 2024 for the beneficiary of III year students. Mr.V.Rajapandiyar (2017 Batch - Alumnus), Senior Test Engineer, Maveric Systems, Chennai evaluated the mini projects of the students.



Mini Project Expo

A Faculty Development Programme on 'Computer Control of Processes, Electric Circuits and Control Systems' was conducted from 27th May 2024 to 31st May 2024.



FDP on 'Computer Control of Processes, Electric Circuits and Control Systems'

The second year U.G students of the Dept of EIE visited North Chennai Thermal Power Station, Ennore on 6th May 2023.



Industrial visit to North Chennai Thermal Power Station, Ennore

Ms. K. S. Jaibhavani and Dr. S. Visalakshi published a paper titled 'Enhanced Open-circuit Voltage Subject to Harmonic Excitations in Piezoelectric Energy

Harvesters Using Hybrid Optimization Algorithm' in an International Journal for Cybernetics and Systems, <https://doi.org/10.1080/01969722.2024.2343994>, 15th May 2024.

Ms. K. S. Jaibhavani and Dr. S. Visalakshi published a paper titled 'Maximum Power Point Tracking Controller for Piezoelectric Vibration Energy Harvester Using Flyback Zeta Converter' in the Journal of Vibration Engineering & Technologies, Springer Nature Singapore Pte Ltd., <https://doi.org/10.1007/s42417-024-01419-8>, 27th May 2024.

Mr.Karthikeyan Nagarajan, Mr.Sowrirajan Nanthagopal, Mr.Dharmaprakash Ramasamy, and Mr.Ravikumar Rangan published a paper titled 'Investigation on Implementing the Swarm Nano Grid System for Effective Utilization of Solar-Powered Agro-industries' in the International Journal of Power Electronics and Drive Systems (IJPEDS), Volume 15, Issue No.02, June 2024, pp.1128-1136.

Mr.C.Praveen Kumar, Dr.K.Ayyar and Mr.B.Parameswaran presented a paper titled 'Linearization of Quadruple Tank System using Taylor Series Method and Control by BFOA and PSO Algorithm' in the second IEEE International Conference on Measurement, Instrumentation, Control, and Automation (ICMICA-2023) organized by the Department of Electrical Engineering, National Institute of Technology Kurukshetra, India and IEEE Delhi section during 3-5 May 2024.

National Seminar



A National Seminar on 'Recent Advancements in Artificial Intelligence in Instrumentation and Control Systems' was conducted on 21st May 2024.

The details of faculty members of the department who attended the Faculty Industry Immersion Programme (FIIP) is as follows.

Dr.K.Ayyar, Professor & Head Principal, attended FIIP at VIP Equipments Pvt. Ltd, Thirumudivakkam from 01.07.2024 -05.07.2024.

Mr.P.Tamilmani, Assistant Professor (Sl.G), Ms.K.S.Jaibhavani, Assistant Professor (Sl.G) & Mr.K.R.Ganesh, Assistant Professor (Sr.G) attended FIIP at Flowserve India Control Pvt. Ltd, Maraimalai Nagar from 03.06.2024 - 07.06.2024.

Affiliated to Anna University

Ms.M.Shanthi, Assistant Professor (Sr.G) & Mr.N.Sowrirajan, Assistant Professor (Sr.G) attended FIIP at Retech lasers, Chennai from 13.06.2024 - 17.06.2024.

Dr.R.Issan Raj, Assistant Professor (Sr.G) attended FIIP at Dong-Ah Electric India Pvt.Ltd, Maraimalai Nagar from 01.07.2024 -05.07.2024.

Mr.C.Praveen Kumar, Assistant Professor (Sr.G) & Mr.B.Parameswaran, Assistant Professor (Sr.G) attended FIIP at CML Tech Solutions Pvt. Ltd, Chennai from 25.06.2024 - 30.06.2024.

Department of Mechanical Engineering

National Seminar



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 National Seminar on 'Recent trends in Automobile Engineering' on 03rd May 2024. Around 85 participants including faculty members, students from our college participated in this National Seminar. The guest speaker was Dr.V.Balasubramanian, Professor and Director, Centre for materials Joining and Research, Annamalai University, Chidambaram.

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



FDP on 'Engineering Thermodynamics and Thermal Engineering'

Faculty Development Programme on 'Engineering Thermodynamics and Thermal Engineering' from 29th May 2024 to 04th June 2024. Around 15 faculty members from our college participated in this Faculty Development Programme. The guest speaker for day one was Dr. S. A. Srinivasan, M.E., Ph.D, Assistant Professor (Grade-III), SSN College of Engineering, Chennai. The guest speaker for day two was Dr. Ayub Ahmed Janvekar, M.E., Ph.D, Assistant Professor, VIT University, Chennai. The guest speaker for day three was Dr. L. Saravanakumar, M.E., Ph.D, Associate Professor, Sri Sairam Engineering College, Chennai.

National Service Scheme

NSS volunteers at SRM Valliammai Engineering College conducted a comprehensive Voter's Awareness Programme and Interaction session across all classes to educate students about the significance of voting and engaging first-time voters on 3rd April 2024. Volunteers delivered informative speeches, facilitated interactive discussions, and provided practical guidance on voter registration and electoral procedures. The session received enthusiastic participation from students, who expressed eagerness to register and participate in elections. This initiative promoted voter awareness and empowered students to become responsible citizens, contributing positively to the democratic process.



NSS volunteers of SRM Valliammai Engineering College participated in the 22nd Science and Technology Communication Review Competitions 12th May 2024 at Bharatiya Vidya Bhavan, Mylapore, Chennai conducted by 'Mylai Thiruvalluvar Tamil



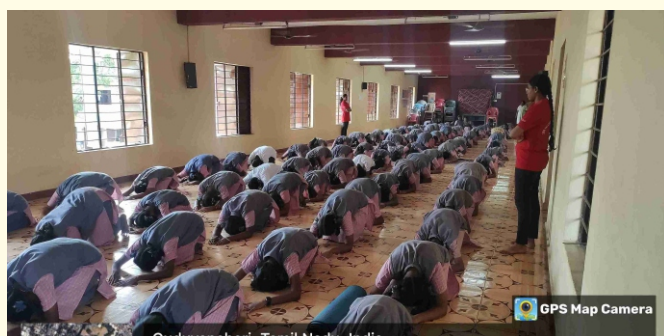
Sngam'. Dr. T.N.Vallinayagam, Retired Judge, Madras High Court distributed the prizes. Dr.Parthasarathy, NSS Programme Officer received an award for active participation in that event. R. Aravind, I EIE won 'Ariviyal Puthir', G.Vinitha, I Cyber Security won 'Ariviyal Thulir and D.Dharani, II CSE-1 won 'Ariviyal Thalir'.

Dr.M.Chokkalingam, Retired Judge, Madras High Court released the 38th Thiruvalluvar Magazine.

The NSS unit of SRM Valliammai Engineering College celebrated World Environment Day with a significant tree-planting initiative in Maraimalai Nagar. Over 870 tree saplings were planted in commitment to environmental conservation. The NSS volunteers and the corporation employees were assigned specific planting areas by Dr. S. Parthasarathy, the NSS Programme Officer. They began by preparing the soil to plant dedicatedly. During the planting process, each sapling was carefully placed into the ground, symbolizing a step towards a greener future. The volunteers exhibited teamwork and mutual support. The assistant commissioner of Maraimalai Nagar municipality delivered a heartfelt vote of thanks to everyone who participated in the event.



The NSS unit of SRM Valliammai Engineering College organized the 10th International Yoga Day at Government Girls Higher Secondary School, Guduvanchery, in collaboration with the Isha Foundation on June 21, 2024. The event focused on women's empowerment by involving 297 girls from that school. Officials from the 'Isha' Foundation intended to inspire and educate all attendees. Participants practiced various asanas gaining insights into physical and mental empowerment. The students particularly noted that yoga and meditation helped them coordinate their body and mind while enhancing concentration. The International Yoga Day celebration was concluded by an inspiring speech by the officials of 'Isha'. The session ended with a vote of thanks proposed by the NSS Programme Officer.



Department of Medical Electronics

The Department of Medical Electronics organized an Expert Lecture on 'Image Processing Applications in Diagnosis of Lung Cancer' in association with IIPC, IIC, ISTE, IETE Student's forum & SRM VEC - CSI student branch, on 25th April 2024, for the benefit of Medical Electronics students. The event started with welcome address delivered by the Convener of the event, Dr. N. Usha Bhanu, HOD - MDE, Ms. Raagapurani, II-year student, Department of MDE introduced the resource person. The Resource person was Dr. P. Sinthia, Professor Department of Biomedical Engineering, Saveetha Engineering College delivered the Expert Lecture on Image Processing Applications in Diagnosis of Lung Cancer. Around 40 students of MDE and EIE attended the expert lecture. The expert lecture showcased the practical application of CNN algorithms for image classification, enhancing students' comprehension of diagnostic tools and advancing early detection capabilities in lung cancer diagnosis. The event coordinator Mr. Satheeswaran. C, AP- MDE proposed the vote of thanks. All the students participated with involvement and clarified their doubts with the Resource person.



Expert Lecture on 'Image Processing Applications in Diagnosis of Lung Cancer'

The Department of Medical Electronics in association with IIC, CSI, ISTE & IETE Students Forum conducted 5 days Faculty Development Program on 'Sensors, Digital Communication and Machine Learning' from 29th May 2024 to 4th June 2024. The subjects focused in the faculty development programme are Sensors and Measurements, Analog and Digital Communication and Machine Learning 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 and delivered a welcome address to the participants and shared her views on the importance of faculty development programme. The coordinator of the faculty development programme Ms. V. Venmathi, Assistant Professor welcomed the participants and highlighted the objective of the

programme and the instructions to the participants regarding the attendance and feedback.



FDP on 'Sensors, Digital Communication and Machine Learning'

In session I, Mr. C. Satheeswaran, Assistant Professor/ Medical Electronics, SRM VEC presented a lecture on 'Introduction to Machine Learning, Types and its functions'. In session II, Ms. V. P. Sandhya, Assistant Professor /Medical Electronics, SRMVEC explained the concepts of 'Probabilistic Models and Graphical Models'. On the second day, one day Industrial Visit was arranged to RLT Instruments Private Ltd, Chengalpet and was highlighted with five different groupings: flow meters, smart pressure transmitters, sensors, gas equalizers, and seamless data transfer systems. In session III, Dr. S. Sharanya Assistant Professor/EIE, SRMIST presented on the concept of 'Fundamentals of Measurements'. In session IV, Dr. N. Subhashini, Associate Professor /ECE, SRMVEC presented a lecture on 'Signal Conditioning Circuits, Recording devices and Circuits'. The concept 'Introduction to Neurons and Neural Networks' was discussed by Dr. N. Usha Bhanu, Professor & Head - MDE, SRMVEC in the session V. The topic 'Source and Error Coding' was presented by Dr. R. Anitha, AP (Sel. Grade)/ ECE, B S Abdul Rahman Crescent IST in session VI. In session VII, Dr. M. Baskaran, Associate Professor/ ECE, Sri Sairam Engineering College presented a lecture on 'Cellular and Mobile Communication'. 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 Sensors and Measurements, Digital Communication and Machine Learning.

Dr Usha Bhanu N, Prof & Head published a paper titled 'Estimating R, L and C in Arithmetic Circuits using ML' in International Research Journal of Multidisciplinary Scope, Volume 5, Issue 2, April 2024.

Ms. P. Vanmathi, AP - MDE attended a two day workshop titled 'Unlocking FPGA Power: Hands-On with PYNQ-Z2' organized by the Department of ECE, Sri Sivasubramaniya Nadar College of Engineering on 10th - 11th May 2024.

Mr. C. Satheeswaran, AP - MDE & Dr Usha Bhanu N, Prof & Head published a paper titled 'Exploring RF and TIHM For Tracking and Monitoring of Elderly

Dementia Patients' in in Technische Sicherheit, Volume 24, Issue 6, May 2024.

Dr. N. Usha Bhanu, Professor and Head, Mrs. V. P. Sandhya AP (Sr. G), Mr. M. Selvaraj, Mr.C.Satheeswaran, Ms. I. Keren Evangeline, Ms.V.Venmathi and Ms. P. Vanmathi, AP (OG), Department of MDE participated in the FDP titled 'Sensors, Digital Communication and Machine Learning, organized by Department of Medical Electronics, SRM Valliammai Engineering College from 29th May 2024 to 4th June 2024.

Dr. N. Usha Bhanu, Prof & Head, attended a five-day Online STTP on 'Embedded systems, IoT and Security', conducted by the Department of ECE in association with IETE Students Forum, Sri Venkateswara College of Engineering from 10th June 2024 to 14th June 2024.

Mr. M. Selvaraj, AP (OG) and Ms. V. Venmathi, AP (OG) attended a Faculty Industry Immersion Programme at Green Pearl Electronics Private Limited, Kattankulathur during the period 10th - 14th June 2024.

Dr. N. Usha Bhanu, Professor and Head, attended a Faculty Industry Immersion Programme at Pantech Solutions, Semmancheri during the period 25th - 29th June 2024.

Jason Gnanakumar J, Liviya V, Vishnu S, IV-year MDE and Dr. N. Usha Bhanu, Prof & Head - MDE published a paper titled 'Machine Learning Based Health Monitoring system using Edge Computing' in the 14th International Conference on Science and Innovative Engineering 2024 organized by Prince Dr.K.Vasudevan College of Engineering and Technology on 27th to 28th April 2024.

Bumiga. R, Nitees. S. J, Sneha. S, IV-year MDE and Sandhya V.P, AP-MDE, published a paper titled 'IOT based neonatal intensive care monitoring system' in Technische Sicherheit, Volume 24, Issue 4, April 2024.

Mohamed Arsath H, Padmanaban M, Preethi R, IV-year MDE and Mr. M. Selvaraj, AP-MDE, published a paper titled 'Implementation and Analysis of Cardiac Arrest Prediction' in High Technology Letters, Volume 30, Issue 4, April 2024.

J. Madhumitha, S. Swetha, J. Vishwa, IV-year MDE and Mr. C. Satheeswaran, AP - MDE published a paper titled 'Enhanced security within restricted hospital zones by integrating finger vein authentication, in International conference on Advancements in Science, Technology and Management 2024 organised by Department of Computer Science, St Xavier's College of Management and Technology on 25th to 26th April 2024.

J. Madhumitha, S. Swetha, J. Vishwa, IV-year MDE and Mr.C. Satheeswaran, AP - MDE published a paper titled 'Enhanced security within restricted hospital zones by integrating finger vein authentication' in

International Research Journal on Advanced Engineering Hub, Volume 2, Issue 5, May 2024.

Abinaya S, Dinesh P, Govindaraj S, Jeevajothi G, Narmada D. B, Raghu S and Vishnu Priya R, III MDE, attended summer Hospital internship in the Department of

Biomedical Engineering at SRM Medical College Hospital and Research Center, Kattankulathur, during the period from 6th June 2024 to 20th June 2024.

Narmada D. B, completed a course on 'Core Java' from Smart Skills Technologies from May to June 2024.

Department of Information Technology

Mr.M.Asan Nainar, A.P, published a paper titled 'Solar Powered Street Light with Sensor and Auto Intensity Control' in International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) on April 2024.

Mr.M.Asan Nainar, A.P, published a paper titled 'Detection of Pulmonary Diseases in Lung using CT & X-ray images CNN' in International Journal for Multidisciplinary Research from March-April 2024

Ms.G.Santhiya, A.P, published a paper titled 'A.P Fake Product Identification in E-Commerce Platform using Block Chain Technology' in Inventive research organization, Journal of IoT in Social , Mobile, Analytics, and Cloud, Volume: 6 Issue: 2 June - 2024.

Mr.M.Asan Nainar,A.P, published a paper 'Predictive Modeling for Brain Stroke Detection Using Machine Learning' in International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 08 Issue: 06 June - 2024.

Dr.S.Narayanan,Prof, delivered a lecture topic 'Introduction to Data Science and Statistics' in Faculty Development Programme on 'Statistical Machine Learning Approaches in Data Science' conducted by Department of Information Technology, SRM Valliammai Engineering College on 03rd June 2024.

Dr.D.Sridevi, Asso.Prof, delivered a lecture topic 'Unsupervised Learning Techniques, Advanced Learning Techniques in ML' in Faculty Development Programme on 'Statistical Machine Learning Approaches in Data Science' conducted by Department of Information Technology, SRM Valliammai Engineering College on 07th June 2024.

Ms.S.Shenbagavadivu, A.P, delivered a lecture topic 'Implementation of Employee Retention Analysis with Logistic Regression' in Faculty Development Programme on 'Emerging Trends and Challenges in Data Science' conducted by Department of Artificial Intelligence and Data Science, SRM Valliammai Engineering College on 21st May 2024.

Dr.S.Narayanan, Prof, participated in the conference 'Prediction of AQI and Associated Diseases using ML' organized by Mount Zion College of Engineering and Technology, Pudukkottai held from 24.04.2024 & 25.04.2024.

Dr.S.Narayanan, Prof, participated in the reviewer 'International Conference on Computing and Data Science - ICCDS 2024' organized by Rajalakshmi Engineering College held from 26.04.2024 & 27.04.2024.

Dr.S.Sekar, Asso.Prof, participated in the conference 'Smart Assistant Essential Voice Interaction (EVI) Assistant' in Easwari Engineering College from 12.04.2024 & 13.04.2024.

Dr.S.Sekar, Asso.Prof, participated in the reviewer '10th International Conference on Communication and Signal Processing - ICCSP 2024' in Department of Electronics an Electrical Engineering, Adhiparasakthi Engineering College from 12.04.2024 & 13.04.2024.

Ms.S.Shenbagavadivu, A.P participated as reviewer 'Certificate of Excellence in Reviewing Asian Research Journal of Agriculture' on 25.04.2024.

Ms. S. Shenbagavadivu, A.P participated in the Conference 'Stock Market Prediction using Machine Learning' in Easwari Engineering College from 12.04.2024 & 13.04.2024.

Dr.D.Sridevi, Asso. Prof, participated in the Conference 'Breast Cancer Classification using Machine Learning Mount' in Zion College of Engineering and Technology, Pudukkottai from 24.04.2024 & 25.04.2024.

Dr.D.Sridevi, Asso. Prof, participated in the Conference 'Developing a Block Chain based E-Vault for legal records' in Department of Information Technology, SRM VEC on 12.04.2024.

Ms.G.Santhiya, A.P participated in the Conference 'Skin Lesion Classification of Dermoscopic images using Deep Learning' in Dept. of IT, SRM VEC on 12.04.2024.

Ms.B.Ahamed Samathani, A.P participated in the Conference 'Laptop Price Prediction' in Dept. of IT, SRM VEC on 12.04.2024.

Ms.S.Kiruthika, A.P participated in the Conference 'Enhanced model for conversation using tensorflow using ML' in A.C.Patil College of Engineering, Mumbai from 05.04.2024 & 06.04.2024.

Ms.S.Kiruthika, A.P participated in the Conference 'Book recommendation system using in Dept. of IT, SRM VEC from 12.04.2024.

Dr.S.Narayanan, Prof. participated in the conference 'Deep learning techniques for predicting customer lifetime value: A systematic Evaluation' in Dept. of ECE, Easwari Engg. College on 09.05.2024.

Dr.S.Narayanan, Prof. participated in NPTEL - FDP 'Data Science for Engineers' from Jan-Mar 2024.

Mr.M.Asan Nainar, A.P participated in Webinar 'Agile Transformations for Distributed Teams' in Department of IT, SRM VEC on 11.05.2024.

Ms.S.Shenbagavadivu, A.P participated in NPTEL - FDP 'Business Intelligence & Analytics' from Jan-Apr 2024.

Ms.S.Shenbagavadivu, A.P participated in NPTEL - FDP 'Reinforcement Learning' from Jan-Apr 2024.

Ms.S.Shenbagavadivu, A.P participated in NPTEL -FDP 'Data Analytics with Python' from Jan-Apr 2024.

Ms.S.Shenbagavadivu, A.P participated as Reviewer 'Recognition of an outstanding contribution to the Quality of the Book' in B P International, West Bengal, India on 19.05.2024.

Ms.B.Ahamed Samathani, A.P participated in NPTEL -FDP 'Programming in Java' from Jan-Apr 2024.

Mr.Suresh Kumar S, A.P participated in NPTEL - FDP 'Blockchain and its Applications' from Jan-Apr 2024.

Ms.I.Kavitha, A.P participated in NPTEL -FDP 'Blockchain and its Applications' from Jan-Apr 2024.

Ms.G.Santhiya, A.P participated in NPTEL -FDP 'Foundation of Cloud IoT Edge ML' from Feb-Apr 2024.

Ms.Kanmani, A.P participated in NPTEL -FDP 'Cloud Computing' from Jan-Apr 2024.

Ms.S.Sandhya, A.P, Ms.D.Nisha, AP & Ms.I.Kavitha , A.P, participated in Webinar 'Agile Transformations for Distributed Teams' in Department of IT, SRM VEC on 11th May 2024.

Dr.D.Sridevi, Asso. Prof, participated in FDP 'Emerging trends and challenges in Data Science' in Department of AI & DS, SRM VEC from 20th to 24th May 2024.

Dr.S.Sekar, Asso.Prof, Dr.D.Sridevi, Asso.Prof, Mr.M.Asan Nainar, A.P, Ms.S.Shenbagavadivu, A.P, Ms.U.Chindiya Baby, A.P, Ms.S.Kiruthika, A.P, Mr.A.Aswin Jeba Mahir, A.P, Ms.I.Kavitha, A.P, Ms.R.Anbuvizhi, A.P, Ms.G.Santhiya, A.P, Mr.Suresh Kumar S, A.P, Ms.Kanmani, AP, Ms.P.Sakthi, AP, and Ms.D.Nisha, AP, participated in FDP 'Statistical Machine Learning Approaches in Data Science' in Department of Information Technology, SRM Valliammai Engineering College from 03rd to 07th June 2024.

Ms.S.Sandhya, A.P, and Ms.S.Kiruthika, A.P, participated in FDP 'One day Online Faculty Development Program on Ai Tools for Teaching' Star International Foundation for Research and Education, Tiruchengode on 22nd June 2024.

Ms.I.Kavitha, A.P, participated in FDP 'Exploring Wearable Tech and AI Innovations for personalized Healthcare' in Department of BME, Rajalakshmi Engineering College, and Chennai from 03rd to 07th June 2024.

Ms.I.Kavitha, A.P, participated in Webinar 'How to get your research paper to the finish line: AI writing tips by Paperpal', Paperpal, Cactus communications, on 13th June 2024.

Department of Artificial Intelligence & Data Science

Ms. K. Sangeetha, Assistant Professor (O.G), Department of Artificial Intelligence and Data Science attended a one-week internship programme in 'A week to data wizardry: Fast-track your analytics expertise' from 5th to 12th June, 2024 at Marcello Tech.

Dr.S. Jeyalakshmi Associate Professor, Ms.R.Lakshmi, Assistant Professor (Sel.G), Department of Artificial Intelligence and Data Science completed the Faculty Industry Immersion Programme on Data Visualization Tools at RETECH Solution Pvt. Ltd, Tambaram, Chennai, from 25th to 29th June, 2024.

Dr.R. Thenmozhi Asso.Prof Department of Artificial Intelligence and Data Science completed the Faculty Industry Immersion Program on Internet of Things (IOT) and Data Science at Adventure Technology Solutions Pvt. Ltd., from 18th to 22nd June, 2024.

Dr.B. Muthusenthil Head & Professor Department of Artificial Intelligence and Data Science completed the Faculty Industry Immersion Program on Interactive AI at Evolve Robot Pvt. Ltd., from 18th to 22nd June, 2024.

Dr.B.Muthusenthil, Head & Prof., Dr.S.Jeyalakshmi, Associate Prof., Dr.R.Thenmozhi, Associate Prof., Ms.R.Lakshmi Assistant Professor (Sel.G), Dr.R.Deepa Assistant Prof. (O.G), Mr.P.Sireenjeevi Assistant Prof. (Sr.G), Mr.R.Danu Assistant Prof. (O.G), Mr.R.Sankaranarayanan Assistant Prof. (O.G), Ms.V.Abarna Assistant Prof. (O.G), and Ms.K.Sangeetha Assistant Prof. (O.G) Department of Artificial Intelligence and Data Science attended the hybrid mode faculty development programme on the topic 'Emerging Trends and Challenges in Data Science' organized by the Department of Artificial Intelligence and Data Science from 20th to 24th May, 2024.

Dr.R. Thenmozhi, Associate Professor Department of Artificial Intelligence and Data Science presented a topic on 'Statistics Approaches for Computer Vision', focusing on emerging trends and challenges in data science, during the hybrid mode faculty development programme organized by the Department of Artificial Intelligence and Data Science from 20th May, 2024 to 24th May, 2024.

Dr.R. Deepa Assistant Prof. (O.G) Dept. of Artificial Intelligence and Data Science presented a topic on 'Descriptive and Predictive Statistics', focusing on emerging trends and challenges in data science, during the hybrid mode faculty development programme organized by the Dept. of AI&DS from 20th to 24th May, 2024.

Ms. V. Abarna Assistant Professor (O.G) Department of Artificial Intelligence and Data Science

presented a topic on 'Neural Networks - Case Studies', focusing on emerging trends and challenges in data science, during the hybrid mode faculty development programme organized by the Department of Artificial Intelligence and Data Science from 20th to 24th May, 2024.

Ms. V. Abarna Assistant Professor (O.G) Department of Artificial Intelligence and Data Science participated in a One Week National Level Online Faculty Development Program on Generative AI Models and Applications of Machine Learning organized by the Department of Computer Science and Engineering at Shri Vishu Engineering College for Women(A), Bhimavaram, Andhra Pradesh-534202 from 21st to 25th May, 2024.

Ragul M of 2nd year has completed the 'Introduction to Cloud' Online Course at IBM Cognitive Class on 21st May, 2024.

Bharath Kumar M K of 2nd year has completed the 'Data Visualization with Python/3.5 Hrs' Online Course at UDEMY on 21st May, 2024.

Bharath Kumar M K of 2nd year completed the 'Python Complete Course, HTML Essentials/9.5 Hrs' Online Course at UDEMY on 21st May, 2024.

Aswin Kumar.P of 2nd year completed the 'Mastering Python, Pandas, Numpy/6.5 Hrs' Online Course at UDEMY and get certified on 20th May, 2024.

Amuthapriyan.A.M of 2nd year completed the 'Python, Flask Framework' Online Course at UDEMY-Horizon Tech on 21st May, 2024.

Aravindhnan M of 3rd year completed the 'Data Science: R Programming/5 Hrs' Online Course at UDEMY on 07th May, 2024.

Abinaya M, Dhivya S.S, Harini S, Raahuleshwar A, Tisha R, and Varun Radhakrishnan participated in the 'CAST N FACTS' technical event organized by the Department of Artificial Intelligence and Data Science on 08th May, 2024.

Sethumadhavan N, Udhaya Prakash M, Varma N, and Deepasree.R.S. S participated in the 'Factor Fest' technical event organized by the Department of Artificial Intelligence and Data Science on 08th May, 2024.

Dhivya S.S secured the 1st Prize, Abinaya M secured the 2nd Prize in the, Tisha R secured the 3rd Prize in the 'CAST N FACTS' technical event organized by the Department of Artificial Intelligence and Data Science on 08th May, 2024.

Sethumadhavan N secured the 2nd Prize, Udhaya Prakash M secured the 3rd Prize in the 'Factor Fest' technical event organized by the Department of Artificial Intelligence and Data Science on 08th May, 2024.

Dr.B.Muthusenthil Professor & Head of AI&DS an organized an Industrial Visit for Faculty members on 2nd May, 2024 to IIT Madras Research Park (IITMRP) & IITM Incubation Cell (ITMIC) Chennai.

Mr.P.Sirenjeevi Assistant Professor (Sr. G) Department of Artificial Intelligence and Data Science published a paper titled Enhancing Network security using Hybrid Machine Learning Techniques at International Conference on 10th May, 2024.

Dr.R. Deepa Assistant Professor (O.G) completed the 'Python for Data Science' a 4-week online course at NPTEL and achieved silver Elite position.

Dr.R.Deepa Assistant Professor (O.G) delivered a Guest Lecture on the topic, 'Optimization in wireless sensor networks' on April 24, 2024 at Tagore Engineering College.

Ms. V. Abarna Assistant Professor (O.G) completed the 'Python for Data Science' a 4-week online Faculty Development Program at NPTEL and achieved Elite position.

Hemamalini J, Prasanna Ravi R, and Sri Harini S under the guidance of Dr.R. Deepa won the best innovation prize with cash prize of Rs. 2000 in 'InnovateXpo' conducted by the Department of CSE, IT and AI&DS held on 24th April 2024 at St. Joseph Institute of Technology, Chennai.

Dileep Adhithyan K, Aathavan S K, and Dinesh Kumar M under the guidance of Ms.V. Abarna won third prize in 'INNOVENTZZ'24' conducted by the Department of AI&ML and AI&DS held on 30th April 2024 at Rajalakshmi Engineering College, Chennai.

Mr.R. Danu, Mr.R. Sankaranarayanan, Dr.R.Thenmozhi from Department of Artificial Intelligence and Data Science coordinated A School Event for Bethlehem Matriculation HR, Sec, School students on 27th April, 2024.



School Event for Bethlehem Matriculation HR, Sec, School

Department of Placement & Career Guidance

During the period from April to June 2024 there are 19 companies visited for placement drive for our SRM Valliammai Engineering College students. In which, 7 core companies. 106 students selected and got the offer letter. Few companies recruited in bulk are,

TCS Ninja	- 40 offers
Stats Perform	- 32 Offers
Cognizant Gen - C	- 17 offers

Department of Management Studies

Students of I year MBA section 1 visited Aavin Dairy firm, Sholinganallur, Chennai on 17th April 2024. Students were exposed to various methods and functions of a dairy firm and its processes.



Industrial visit to Aavin Dairy firm, Sholinganallur, Chennai

Students of I year MBA section 2 & 3 visited Hatsun Agro Products Ltd, Kanchipuram on 25th & 26th April 2024. Students had an opportunity to witness the various methods and functions of a dairy firm and its processes.



Industrial visit to Hatsun Agro Products Ltd, Kanchipuram

Students of I year MBA participated in the Guest Lecture - Alumni Guest Lecture on Start Ups on 29th April 2024, aimed at providing students with insights and experiences from successful alumni in the field of entrepreneurship. The event aimed to inspire, educate and empower students to embark on their entrepreneurial journey with confidence. Dr.M.Venkat Sai Srinivasa Rao , Head of the Department, Department of Management Studies, SRMVEC extended a warm welcome to the esteemed guest speakers and attendees. He emphasized the significance of the alumni guest lecture in bridging the gap between academia and industry, and its role in nurturing the spirit of entrepreneurship among students. The alumni guest lecture was coordinated by Dr. L. Sujatha and Dr. M. Ganesan Alias Kanagaraj,

who ensured the smooth execution of the event and facilitated interactions between the guest lecture and students. Mr. M. Sundarraj shared his journey from being a student at SRM Valliammai Engineering College to his current role as a Consultant Cloud Security at HCL Tech Chennai. He discussed the importance of innovation adaptability and perseverance in the startup journey, drawing from his own experiences. Dr. J. David Johnson provided valuable insights into the human resource aspects of startups, emphasizing the significance of talent acquisition, employee engagement and organizational culture in driving startup success.



Alumni Guest Lecture on Start Ups

Students of I year MBA participated the Guest Lecture - 'Registration and Patent Filing' on 30th April 2024. The Guest Lecture was successfully conducted by Dr. I. Sreelatha, Associate Professor & Registered Patent agent from the School of Law at SRM Institute of Science and Technology, serving as the esteemed resource person. The session commenced with a warm welcome address delivered by Dr. M. Venkata Sai Srinivasa Rao, Head of the Department, who expressed gratitude to Dr. Sreelatha for graciously sharing her expertise and insights with the audience. Dr. Sreelatha provided detailed explanations, drawing from her extensive knowledge and practical experience as a registered patent agent. Her responses were not only informative but also tailored to the level of understanding of the audience, ensuring that complex legal concepts were conveyed in a digestible manner.

Students of I year MBA participated the Workshop on 'Grooming Professional Outlook and Communications' on 10th May 2024. Dr.M.Chithra, Head of the Department, Department of English, SRM VEC initiated the workshop by delving into the intricacies of self-development. Dr. Sheeba Manodh, Assistant Professor (Sel. Grade), Department of English, SRM VEC then led an enlightening session on effective participation in group discussions. Mr.Abhishek David Johnson, Assistant Professor (O.G), Department of English, SRM VEC provided invaluable guidance on resume preparation, offering

tips and best practices for crafting compelling resumes that effectively showcase students' skills, experiences, and accomplishments. Dr. R. Geetha, Assistant Professor (Senior Grade), Department of English, SRM VEC enlightened students on the significance of body language in communication and strategies for effectively conveying strengths and weaknesses during interviews.

Students of I year MBA Section 1 visited KTV Health Foods Pvt Ltd, Gummidipoondi Plant on 17th May 2024. Industrial visits provide students with a chance to meet industry leaders, professionals, entrepreneurs, policymakers, and corporates who share their wisdom, learning, and experiences. Students were exposed to various methods and functions of a Health Foods Industry and its processes.

Department of Physics

Dr.M.Anbucheziyan, Prof. & Head was awarded with a certificate of appreciation for his instrumental role as SPOC of the Swayam -NPTEL local chapter.

Dr.K.Thruppathi, Associate Professor, chaired the oral presentation held at the 15th National Level Technical Symposium SIT-SCIHM 24 organized by Sri Sai Ram Institute of Technology, West Tambaram, Chennai, on 23rd April 2024.

Mrs Sasireka, Assistant Professor, and Dr.Ramya Rajan M.P, Assistant Professor attended a webinar on 'Tetrapods based Smart Materials for Advanced Technologies' conducted by the Department of Physics, School of Sciences and Humanities, SR University, Warangal, India on 29th April 2024.

Dr.S.Gandhimathi, Associate Professor, published a paper 'Navigating excellence - A comprehensive review on the versatile potential of high-performance N-Heterocyclic Triazole as an electrolyte for proton exchange membrane fuel cells' in the journal Industrial and Engineering Chemistry Research in May 2024.

Dr.R.Rajkumar, Assistant Professor, participated in the webinar 'Carbon Nanotube Macro Assemblies Based Polymer Composites' conducted by the Department of Physics, School of Sciences and Humanities, SR University, Warangal, India, on 18th May 2024.

Dr.M.Anbucheziyan, Prof. & Head completed Swayam online certification course titled 'Guidance and Counselling' in June 2024.

Dr.R.Rajkumar, Assistant Professor, participated in a webinar titled 'A Journey from Ferrites to Batteries' by the Department of Physics, School of Sciences and Humanities, SR University, Warangal, India on 1st June 2024.

Mrs Sasireka, Assistant Professor, and Dr.Ramya Rajan M.P, Assistant Professor attended a webinar on 'Green nanocomposites for water treatment for the removal of trace organic contaminant' conducted by the Department of Physics, School of Sciences and Humanities, SR University, Warangal, India on 05th June 2024 .

Dr.S.Padmaja, Assistant Professor, completed 8 week NPTEL certificate course on 'Surface Engineering of Nanomaterials' with elite and silver certification.

Department of Mathematics

Ms. V. Nagarani / Assistant Professor (O.G) participated in a one day Online Seminar titled 'Mathematical Modelling in Image Processing' conducted by Dr. M.G.R Educational and Research Institute held on 23rd April 2024.

The Mathematics Association 'EULER.COM' organized 'MATHEXPO 2024' on 26th April 2024 for higher secondary school students. Around 75 Students from tenth and twelfth classes from JRK Global Senior Secondary School Maraimalar Nagar participated in the EXPO. Three faculties from school accompanied the school students. The students visited all the department Labs and class rooms enthusiastically. They energetically involved in MATHEXPO 2024 by exploring all Posters and Models presented by our college students. The students eagerly asked questions and clarified their doubts.

Eight staff cleared NPTEL online examination for different courses held in April 2024.

Dr. V. Vijayalakshmi/Associate Professor, Ms.V.Nagarani /Assistant Professor (O.G) and Dr.S.Bhooma /Assistant Professor (O.G) participated in a one-week Faculty Development Programme on 'Mathematical Foundation for AI, ML & Data Science' organized by the Department of Mathematics, SRM Institute of Science and Technology, Vadapalani Campus, Chennai from 11th to 19th June 2024.

Dr. T. Isaiyarasi /Associate Professor (HoD) was the Judge in the event Paper Presentation at Convergence 2024 organised by Department of Mathematics (S & H) at Sri Sairam Engineering College on 16th April 2024.

Ms. A. Karpagam /Assistant Professor(O.G) was the Resource Person in a One week International e-conference on Research Novelties in Pharmaceutical Delegation in Academics on 21st April 2024 organised by the Faculty of Pharmacy, Sree Medical College and Hospital Campus, BIHER,Chrompet, Chennai.

Dr. V. Vijayalakshmi /Associate Professor published a paper titled, 'New Approach towards neutrosophic normal interval valued set applied to sin

trigonometric aggregating operator and its generalization', International Journal of Neutrosophic Science, Vol. 24, No. 02, PP. 147-162, 2024.

The Mathematics Association 'EULER.COM' in association with IIC organized a Guest Lecture on the 'Numerical Analysis' on 10th May 2024 for the first year students of SRM Valliammai Engineering College. The lecture was delivered by Dr. P. Venkata Mohan Reddy, Associate Professor, Department of Mathematics, RMD Engineering College, Chennai. The lecture started with the introduction of Matrices, Trigonometry, Geometry, Calculus, Differential Equations and Statistics. He explained various applications of Numerical Analysis in the following fields, Image processing and criminology, Engineering, Modelling. The lecture helped the students to know more about the applications of numerical methods in real life.

Ms.A.Karpagam, Assistant Professor(O.G), Dr.V.Vijayalakshmi/Associate Professor, Dr.T.Isaiyarasi /Associate Professor (HoD) and S.Ramya /Assistant Professor(O.G), published a paper titled, 'Fuzzy Optimal solution for the Shortest Mapping the Univariate search approach using Decagonal fuzzy Numbers', in the International Journal of Basic Science and Engineering, Vol 21, No.1, 2024.

Dr. V. Vijayalakshmi /Associate Professor, DR.D.Sridevi /Associate Professor, Dr. T. Isaiyarasi /Associate Professor (HOD) and Ms.A.Karpagam /Assistant Professor(O.G) published a paper titled,'Persistent Patronage Prediction: A fuzzy logic

MATHFEST 2024



The Mathematics Association 'EULER.COM' organized 'MATHFEST 2024' on 26th April 2024 for the B.E., B.Tech. Students of SRM VEC. 'MATHFEST 2024' is the 11th MATHFEST organized by Department of Mathematics, SRMVEC. The MATHFEST started with Olympiad followed by Puzzle in which around 710 students participated. Ten teams participated and presented their ideas about the application of mathematics in Engineering, Technology, Medicine, Cryptography, Data Science and Statistics. Poster Presentation has a unique identity in MATHFEST 2024. The students presented their ideas in applications of Mathematics in the following topics. Ramanujan Invention, Growth Math Entirety, Role of Mathematics in various fields. Five teams presented the models in application of mathematics.

framework for sustainable customer return in the economics of business', in the Decision Making: Applications in Management and Engineering', vol 7, Issue 1, 2024.

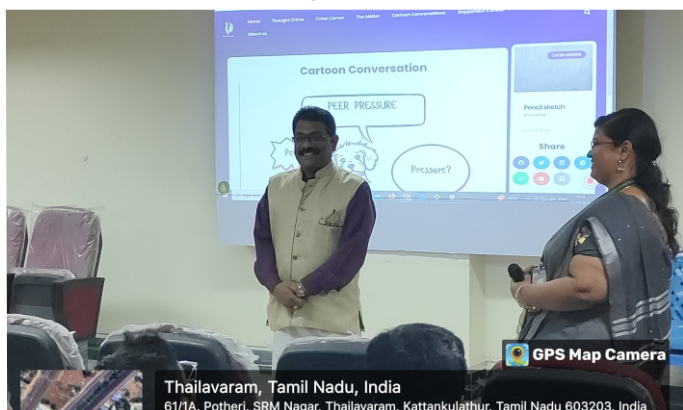
Dr.S.Bhooma /Assistant Professor(O.G) acted as a resource person in 'Summer Research Training program in Mathematics' organized by Anna University on 10th June 2024.

Seven of our faculties attended a five day Faculty Development Programme on 'Statistical Machine Learning approaches in Data Science' organised by Department of Information Technology, SRM Valliammai Engg. College from 03rd to 07th June 2024.

Mr. D. Captain Prabakaran /Assistant Professor (O.G) organized 10th International Yoga Day at Government school of excellence girls higher secondary school, Guduvanchery on 21st June 2024 for NSS students.

Department of English

The department of English, under the auspices of Eclectic Lingua initiated the launch of the college magazine VEC ECLATINEERS on the occasion of English Language day on 23rd April 2024. DrM.Murugan, Principal SRM VEC was the chief guest for the occasion. Ms.M.Roshan Fathima A.P (Sel.G) was the coordinator of the programme. The magazine provides a platform for the students to showcase their creative and literary skills.



Launch of the college magazine VEC ECLATINEERS

The department of English organized a MUN Workshop 'Exploring International Relations, Building Global Leaders and Tracking Global Challenges Through the Art of Negotiation' for the first and second year students on 24th April 2024. Prof.S.Soundiraraj, Head, Dept of English, Anna University was the chief guest for the day. Mr.Avinash, Co-founder of MUN Company and his team trained the students effectively on how to participate confidently in MUN conferences. Dr.Sheeba Manodh A.P (Sel.G) was the coordinator of the programme. The participants were very interactive and communicated well during the session skills.



MUN Workshop 'Exploring International Relations, Building Global Leaders and Tracking Global Challenges Through the Art of Negotiation'

The department of English, under the auspices of Eclectic Lingua organized a series of competition' Linguathon II for the first year students on 8th and 9th of May 2024. Competitions like UTOPIA, Shipwrecked, One-act Play, Short Film making and Verbal Vistas were held to promote creativity and communication skills among students. Dr.V.Jayanthi A.P (Sr.G) and Dr.M.Arthi A.P (Sr.G) were the coordinators of the programme.

The department of English, under the auspices of Burke Club organized a Block and Tackle Competition for the first year students on 14th May 2024. The first year students displayed their talents with great enthusiasm. Dr.R.Geetha Assistant Professor (Sr.Gr) from the Dept of English was the Judge for the competition. Dr.Sheeba Manodh A.P (Sel.G) was the coordinator of the programme.



Block and Tackle Competition for the first year students

Dr.M.Chithra Head, Dept of English, Dr.Sheeba Manodh, AP (Sel Gr), Dr R.Geetha, AP (Sr. Gr) and Mr.Abhishek David John, AP (O.G) were the resource



Workshop on 'Grooming Professional Outlook and Communication'

persons at the workshop for the MBA students titled 'Grooming Professional Outlook and Communication' on 10th May 2024. The workshop highlighted the importance of creating a good Resume and developing effective communication skills.

Dr. M.Arthi AP(Sr. Gr) and Mr.Abhishek David John AP (O.G) published an article 'Role of Literature in Career Enhancement' in the Journal of the Oriental Institute, UGC CARE Grp I, ISSN: 0030-5324.

Department of Chemistry

The Department of Chemistry organized events like essay writing/poster making, elocution, debate, model making, quiz, national science day (Calaysis'24) for the First Year B.E/B.Tech students and distributed prizes under the auspices of the Physical Sciences Club on 8th May 2024.



National Science Day (Calaysis'24) event

Dr. L. Devaraj Stephen, Associate Professor, Mr.V.Arivalagan, Assistant Professor (Sr.G) and Ms.M.Meera, Assistant Professor (O.G) visited RL Technologies Private Limited, Athur, Chengalpattu District and successfully completed the industrial visit in the fields of instrumentation and electric panels, 30th May 2024.



Industrial visit to RL Technologies Private Limited, Athur, Chengalpattu

In the One Day National Conference on Low Carbon Materials for Environmental Sustainability-CarES 2024, organized by Sathyabama Institute of Science and Technology Chennai, on 22nd April 2024, the staff

noted below presented papers.

Dr. L. Devaraj Stephen, Associate Professor presented a paper on 'Enhanced Photoreduction of CoIII(L)33+ With Synergistic Interactions of nm-TiO2 in Mixed Solvents'.

Dr. J. Krishnamurthi, Assistant Professor (Sr.G) presented a paper on 'Synthesis, Characterization and Anti-Diabetic, Anti-Inflammatory Active Studies of Substituted Benzimidazole'.

Dr. M. Soundarrajan, Assistant Professor (Sr.G) presented a paper on 'Influence of pH for the Removal of Chromium Ion from Water by Chitosan Coated Carbon and Chitosan Mixed Vermiculite'.

Dr. S. G. Gunasekaran, Assistant Professor (O.G) presented a paper on 'Nanotitania Reinforced Maleimido Terminal Thiophenyl Pendant Pyridine Core Polybenzoxazine (nTiO2/PBZ) Hybrid Nanocomposites'.

Dr. M. Meera, Assistant Professor (O.G) presented a paper on 'Cardanol Pendent Thiophenyl End Capped Imine Skeletal NanoCeO2 Cashew Nut Shell Liquid (Cnsl)'.

Dr. P. Maheswari, Assistant Professor (O.G) presented a paper on 'Tailor Made Polysulphone and Poly (M-Phenylene Isophthalamide) Ultrafiltration Anti-Biofouling Membranes'.

Ms. S. Charumathi, Teaching & Research Associate presented a paper on 'Hybrid Membranes Composed of Poly (m-Phenylene Isophthalamide) (PMIA) Dopped with PSF/SiO2 Nanoparticles'.

Dr. N. Jayaprakash, Assistant Professor (Sr.G) published a paper titled 'Structural, optical, magnetic and photocatalytic properties of Mn-doped Fe2O3 nanostructured particles' in the Journal of the Indian Chemical Society, on 4th June 2024.

Dr. P. Varun Prasath, Assistant Professor (O.G) successfully participated in a Faculty Development Programme on 'Recent Advancements in Chemistry' organized by Easwari Engineering College, Chennai, from 24th June 2024 to 29th June 2024.

Dr. L. Devaraj Stephen, Associate Professor, Dr.N.Jayaprakash, Assistant Professor (Sr.G), Dr.S.G.Gunasekaran, Assistant Professor (O.G) and Mr.V.Arivalagan, Assistant Professor (S.G) visited Apex Laboratories Private Limited, Chennai and successfully completed Faculty Industry Immersion Programme (FIIP) from 25th to 29th June 2024.

Dr. J. Krishnamurthi, Assistant Professor (Sr.G), Dr.M. Soundarrajan, Assistant Professor (Sr.G), Ms.M.Meera, Assistant Professor (O.G) and Dr.P.Maheswari, Assistant Professor (O.G) visited Hollowbrane Membrane Technologies, Maraimalai Nagar, Chengalpattu District and successfully completed Faculty Industry Immersion Programme (FIIP) from 28th to 29th June 2024.