

SRM VALLIAMMAI ENGINEERING COLLEGE



[An Autonomous Institution]

Newsletter

Vol. No. 12 - No. 2 Issue: Apr. - June 2023

Website: www.srmvalliammai.ac.in









Department of Civil Engineering

Department of Civil Engineering conducted a Value Added Course titled 'Advanced Surveying Using Electronic Total Station' from 25th March 2023 to 15th April 2023 for the benefit of Civil Engineering students.



VAC on 'Advanced Surveying Using Electronic Total Station'

Mr.A. Sattainathan Sharma - Assistant Professor (Sr.Gr), Department of Civil Engineering received Best Mentor Award for his contribution to the achievement of students team in the state level technical 'Buildathon' organized by the

Department of Civil Engineering, PERI Institute of Technology on 5th April 2023.

Mr. Mithireyan S, Mr.Ranjith Kumar R and Mr. Neela Ram G from 3rd year Civil Engineering secured Winner's position in the 'CONNECT IT' event organized by the Department of Civil Engineering, PERI Institute of Technology on 5th April 2023.

Mr. A. Sattainathan Sharma - Assistant Professor (Sr.Gr), Department of Civil Engineering presented a paper titled 'Investigation on Flexural Behaviour of HBFRC Beam Subjected to Monotic and Cyclic Loading' and 'Study on Flexural Behaviour of Natural Fibre Reinforced Concrete' at the International Conference on Core Engineering and technology(ICCET-2K23) held on 4th May 2023.

Ms. K. Suganya Devi - Assistant Professor, Department of Civil Engineering presented a paper titled 'Experimental Study on SCC Hollow Beam' at the International Conference on Core Engineering and Technology(ICCET - 2K23) held on 4th May 2023.

Dr.A.Leema Rose - Associate Professor, Department of Civil Engineering has been recognised as a Supervisor for Guiding Ph.D. Scholars of Anna University in the areas of Structural Engineering, Concrete Structures and Construction Management under the Faculty of Civil Engineering.

Ms. K.Tharini- Assistant Professor, Department of Civil Engineering delivered a lecture on 'Prototype/ Process

Design and Development' and received a certificate of Excellence in an event organised by Institution's Innovation Council association with Department of Civil Engineering, New Prince Shri Bhavani College of Engineering and Technology on 29th May 2023.



Lecture on 'Prototype/ Process Design and Development'

Nine Faculty members from the Department of Civil Engineering participated in the World Environment Day Guest Lecture on the theme 'Solutions to Plastic Pollutions' on Saturday the 17th June 2023 at IE(I) TNSC Auditorium, Chepauk, Chennai.



World Environment Day Guest Lecture on the theme 'Solutions to Plastic Pollutions'

Department of Civil 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 day Faculty Development Programme (FDP) on 'Foundation Engineering' during 15th June 2023 to 20th June 2023.



Five day Faculty Development Programme (FDP)



Ms.Dharanika S K from 3rd year Agricultural Engineering secured 90% score and was the topper in NPTEL 12 week online course titled 'Cooling Technology:Why and How Utilized in Food Processing and Allied Industries' during January to April 2023.

Department of Agricultural Engineering conducted Value Added Course titled 'Application of Nanotechnology in Modern Agriculture Practices' from 25th March 2023 to 15th April 2023 for the benefit of Agriculture Engineering students.



VAC 'Application of Nanotechnology in Modern Agriculture Practices'

Ms. Sathya Priya. R, Ms. Subhashini. M and Ms. Hemavarthini. J of 3rd year Agricultural Engineering presented a technical paper titled 'Growing of Plants in Aeroponics' and have received complimentary prizes in Chennai Water Summit 2023 on the occasion of World Water Day on the theme 'Accelerating Change' held on 1st April 2023 at IE(I) Tamilnadu State Centre, Auditorium, Chennai.



Technical paper titled 'Growing of Plants in Aeroponics' on Water Submit 2023

Ms. Dhivya P - Assistant Professor, Department of Agricultural Engineering received an award for mentoring the students to present a paper in Chennai Water Summit 2023 on the occasion of World Water Day on the theme 'Accelerating Change' held on 1st April 2023 at IE(I) Tamilnadu State Centre, Auditorium, Chennai.

Mr. Somaraj T from 3rd year Agricultural Engineering participated and won the First prize in the 'National Millet Summit - 2023', Poem - English theme competition which was jointly organized by National Institute of Food Technology, Entrepreneurship and Management, Thanjavur (NIFTEM-T) and SRM Institute of Science and Technology (SRMIST) on 6th and 7th May 2023.

Department of Agricultural Engineering was given 'Student's Chapter' professional society membership in the Institution of Engineers(India) on 30th May 2023.

The Faculty members from the Department of Agricultural Engineering participated in the World Environment Day Guest Lecture on the theme 'Solutions to Plastic Pollutions' on Saturday the 17^{th} June 2023 at IE(I) TNSC Auditorium, Chepauk, Chennai.

The Department of Agricultural Engineering in association with the Institution of Engineers (IEI), Indian Society for Technical Education, Institution's Innovation Council and Industry-Institute Partnership Cell organized a Five day Faculty

Development Programme (FDP) on 'Surveying and Leveling' during 17th June 2023 to 22nd June 2023.



FDP on 'Surveying and Leveling'



Dr. S.Benila and UG students: S.Nandini, K.Nithin and B.Pradeepa Illakkiya published a paper on 'Pedestrian Crossing Traffic Lightcontrol System Using Face Detection' in International Journal of Research and Analytical Reviews (IJRAR) April 2023.

Ms.S.Shanthi and UG students: A.Ajith, A.Chran Kumar, K.DeepakKrishna and N.Gokul published a paper on 'Intelligent video surveillance using Deep Learning' in International Journal of Advanced Research in Science, Communication and Technology April 2023.

Mr.N. Leo Bright Tennisson published a paper on 'Smart protection system in Agricultural Fields' in Journal of Electronics information Technology Science and Management April 2023.

Ms.A.Vidhya and UG students, P.Muthusathish, G.Mythreyan and M.Premkumar published a paper on' CNN based real time sign language to Text and Speech conversion' in International Journal of Research and Analytical Reviews (IJRAR), April 2023.

Mrs. Sathya G and UG students, Tharani S, S.Shivani and S.Sharmi published a paper on 'Facial Recognition for Criminal Detection using Deep learning' in International Research Journal of Education and Technology, April 2023.

Dr.S.Venkatesh and UG students, R.K.Rithanya, S.Subash and P.Surendar published a paper on 'Smart blind stick integration with IOT & SOS' in Science, Technology and Development, April 2023.

Ms.S.Shanthi and UG students, S.Navin, A.Ragul and S.J.Ragunath published a paper on 'Cognitive Radio Network for minimizing Network Traffic' in International Journal of Creative Research Thoughts, April 2023.

Ms.G.Sangeetha published a paper on 'Organ donation and matching system' in Journal of Science, Technology and Development, April 2023.

Lalitha.A and UG Students, Syed Muntasir.SK,Surya.GM and Roshan.R published a paper on 'Negative Thinking Detection Using Social Media Charts' in International Journal of Creative Research Thoughts (IJCRT), April 2023.

A National seminar was conducted on 'Cloud Security', held on 21st April 2023. The Resource person was Mr. Pradhan Vijaya

kumar, Founder & CEO of Zero2infiity. 89 students participated in the event.



National seminar on 'Cloud Security',

A Guest Lecture was conducted on 'Fog and Edge computing', held on 5th May 2023. The resource person was Ms.Harini Akshaya, Tech Trainer for Whitehat. 180 students participated in the event.



Guest Lecture on 'Fog and Edge computing'

A five day FDP was conducted on 'Cyber Threat and Biometric Security' held from 29th May to 2nd June 2023. The resource persons were Mr.N.Ragavendran, Cyber Security consultant and Pradan Vijaykumar, MD, Zero2infynite solution, Chennai.



Five day FDP on 'Cyber Threat and Biometric Security'

Club Activity: 1. Bid 'D' Snips - Web Design Event was conducted by Coderizz Club on $13^{\rm th}$ April. 2. IDEATE 2 HACK-InterDepartment Hackathon was conducted on $20^{\rm th}$ April & 3. Java on-line class (III Yr) and Python on-line class (II Yr) was conducted on every week end.

Dr.C.Pabitha and UG Students, V.Nalina, M.Nandhini and I.Rajalakshmi filed a patent on the topic 'IOT Based Intelligent Door Lock Ingress Control System with Digital Notification' on 18th April 2023.

Dr.B.Muthusenthil attended a conference on the topic' Smart phone based autonomous vision enabled waste segregator' in a National Conference on Communication and System Design(NC2SD) on 13th April 2023.

Dr.B.Muthusenthil attended a conference on the topic 'Plant Life: An Autonomous Robot for plant Disease diagnotic system using Deep Learning in a National Conference on communication and System Design (NC2SD) on 13th April 2023.

MS.V.Vijayapriya attended IEEE conference on the topic 'Comparitive analysis for detecting Drowsines using Deep learning Approach' on 5th April 2023.

Dr.C.Pabitha presented a paper in a conference on the topic 'Deep learning based human emotion exposure detection using vocal and countenance' in International conference on Recent Engineering and Technology on 25th June 2023.

Dr.C.Pabitha presented a paper in the conference on the topic 'Design and Implementation of public Distribution System using Blockchain' in International conference on Recent Innovations in Science Technology (RIST 2023) on 7th and 8th April 2023.

Dr.C.Pabitha presented a paper in the conference on the topic 'IOT Based Intelligent Door Lock Ingress Control System with Digital Notification' in International conference on Recent Innovations in Science Technology (RIST 2023) on 7th and 8th April 2023.

The Department of Computer Science and Engineering Signed an MoU with '3i Future Tech', IIT Madras Research Park, Chennai on 9th June 2023.



MoU with '3i Future Tech'

The Staff members went on a one day Industrial Visit to '3i FutureTech' IIT Madras Research Park, Chennai on 9th June 2023.



Industrial Visit to '3i FutureTech' IIT Madras Research Park

Student Affairs Committee (SAC)

The Student Affairs Committee of SRM Valliammai Engineering College organized an expert seminar on Hygienic Measures for Girl students on 20th April 2023 between 2.30p.m- 3.45p.m in Seminar Hall, Admin Block, SRM VEC. Dr.N.Usha Bhanu, Professor & Head-MDE, delivered welcome address. Ms.Sneha of III Year MDE, introduced the resource person to the participants. Ms.K.R.Ananyaa, I year PG student of MBA department and Ms.S.Srijaa, II year student of Medical Electronics gave a presentation to create awareness about the usage of sanitary napkins incinerator machine and hygienic method of disposal of the same to all the female students in the



department . They briefly explained the hygienic methods to be practiced by girl students during the menstrual periods for ensuring self-hygiene and eco-friendly environment. 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 Department Coordinators of all departments organized the programme effectively. The seminar concluded with a vote of thanks proposed by Ms.Shenbagavadivu, AP (Sel.Grade) of IT department. The students clarified their doubts and interacted with the resource persons. Totally, 178 girl students from different departments participated and benefited from the seminar.



The Student Affairs Committee of SRM Valliammai Engineering College organized an awareness seminar on First Aid and Safety Measures on 10th May 2023 between 2.30p.m-3.45 p.m. in Seminar Hall, New Block, SRM VEC. Dr.N.Usha Bhanu, Professor & Head-MDE, delivered a welcome address and Dr. M. Senthil Kumar felicitated the resource person. 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 types of fire extinguishers for educational and industrial applications. The resource person along with her team provided 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. Totally, 209 students from first year participated and benefited from the seminar.



Department of Cyber Security

White Hatians Students Club organized 'Battle for Flags' (Capture the Flag)' event on 18th May, 2023, at the Old Seminar Hall, Admin Block. In this event 19 teams participated which includes 60 students from various colleges. The challenges have to be cracked by the participants by using their technical knowledge in order to collect flags for points. Based on the top 3 scorers in the leader board, the winners were awarded with the cash prizes.

The Winners were (a) Team Your friends - St. Joseph Institute of Technology, (b) Team Incognitos - SRM IST, Ramapuram & (c) Team Uchiha - SRM Valliammai Engineering College.



'Battle for Flags' (Capture the Flag)' event

The Department of Cyber Security organized a Python training session for the programmer trainees of Zion Matriculation Higher Secondary School on 27th April 2023. It was conducted by the staff and students of Cyber Security department led by Dr. M. Senthil Kumar, HoD-CYS. The event was a hands on session concentrating on the basic and intermediate levels of python programming and the session was engaging and useful for the faculty members. In this training, more than 30 staff members were benefitted.



Python training session for the programmer trainees of Zion Matriculation Higher Secondary School

The Department of Cyber Security organized 'Train the Teachers' event on 10th June 2023. The Faculties of Lydia Matriculation Higher Secondary School were invited to attend the program at SRMVEC. 20 teachers from Lydia Matriculation Higher Secondary School participated in the event. This event is a technical event with hands-on session to provide training, practices, and awareness about the Cyber Security in day-to-day life. Security measures and preventative measures were advised for a fruitful experience while surfing the internet. The session focussed on the do's and don'ts of the cyber world.



'Train the Teachers' event

Faculty Development Programme was conducted on the topic 'Security in Cloud Computing' from 12th June 2023 to 16th June 2023. The resource person of the event was Mr.R.Hariharan, Training Manager, Hebesec Technologies Pvt. Ltd., About 20 staff members of various departments attended the FDP.



FDP on 'Security in Cloud Computing'

SRM VEC CSI Student Branch



The SRM Valliammai Engineering College, Computer Society of India Student Branch, organized the 'Find the Gaff' event. In this event, more than 86 students participated. The event was conducted on 15th May 2023. This event comprised of two rounds, technical and nontechnical. The first round was the 'SPIN IT' in which the team must be of 2 members where one should answer and the other one should spin the bottle. The team which spins the bottle first will get a chance to answer the question. The second round was 'TECH JUMP' in which the chosen teams were instructed to stand up in a box and they would move forward if they give the proper response to the question.

The Winners of the event were: 1. Nagaraja A R (CSE-2, 3rd -year), Nirmal N (CSE-2, 3rd -year) SRM Valliammai Engineering College, 2. Raja Raman V (CSE-2, 3rd -year), Narayana Moorthy T (CSE-2, 3rd -year) SRM Valliammai Engineering College and 3. Gayathri D (IT-1, 2nd -year), Janani S (AI&DS, 2nd -year) SRM Valliammai Engineering College.

Department of Electronics and Communication Engineering

The Department of Electronics and Communication Engineering conducted an International Conference on Emerging Technologies in Communication and Signal Processing (ICETCSP 2023) in association with IIPC, IIC, ISTE, and IETE Students Forum & SRM VEC CSI Student Branch on 05th April 2023 to provide a platform to the researchers to share their ideas. Dr. Komala James, Professor and Head, Department of Electronics and Communication, Convener of the Conference welcomed the participants and the attendees of the Conference. The conference was inaugurated at 9.30 am by the chief guest Mr. Premnath MS, Senior solutions specialist, Erricsson Global Services in the presence of Dr.S.Ramachandran, Director-Academics, SRM Group, Dr.B.Chidambararajan, Director-SRM VEC, Dr. M. Murugan, Principal-SRM VEC. The Chief Guest was felicitated by the Director-Academics, SRM Group and Director-SRM VEC and they also greeted the organizers for the grand success of the conference. The proceedings of the conference was released by the chief guest. The importance of improving knowledge in the core areas of the course and its impact on the industries related to the department was well presented by Mr. Premnath MS. For the conference 65 research papers are received from various states out of which 41 are selected for presentation. The presentation was conducted in 3 tracks in online mode and 1 track in offline mode.



International Conference on Emerging Technologies in Communication and Signal Processing (ICETCSP 2023)

A Value-Added Course has been conducted by the department of Electronics and Communication Engineering to provide Hands on Training on 'System Design Using Verilog' for 30 hours. It was conducted for eight hours on 1st & 25th April 2023 in offline mode and 8th & 15th April 2023 in online mode for the benefit of the students with a total strength of forty one. The resource persons were Dr. V. Sureshkumar, AP (Sel.G), ECE Department, SRM VEC, Dr.C.Saravanakumar, AP (Sel.G),



VAC on "System Design Using Verilog"

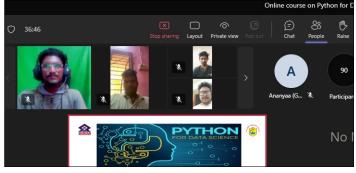
ECE Department, SRM VEC and Mr. V. Dhanasekar, Analog Layout Engineer, Capgemini Altran, Bangalore. The primary and overall objective of this course was to give a novice understanding of emerging global trends in VLSI System design to students.

The III year ECE 1 students, totally 42 students, accompanied by 2 staff members Dr. S. Ramesh, Professor and Mrs. S. Abirami, Assistant Professor (O.G) went on an Industrial Visit to 'Techvolt Software Pvt. Ltd, Cosmic Electronics and Radio Astronomy Centre', located in Coimbatore & Ooty on 5th & 6th May 2023 respectively. On day 1 (05th May 2023 FN session), they had a presentation about the software technologies involved in the company like Web Designing, Web Hosting, Web Applications Development, Android App Development (Mobile App Development), Software Testing along with Embedded Systems and IoT Applications development. The students were taken to the Cosmic Electronics company where they have explained about the PCB designing and manufacturing, assembling and Testing the electronic circuits. They also visited the Radio Astronomy Centre at 10.00 AM on 6th May 2023. The students were taken to the AV Hall, where the glimpse of Radio Astronomy Centre Ooty was explained.



Industrial Visit to "Techvolt Software Pvt.Ltd , Cosmic Electronics and Radio Astronomy Centre"

The Department of Electronics and Communication Engineering conducted an Online Course on 'Python for Data Science' for MBA students during 22nd & 24th April 2023, 6th & 13th May 2023. The objective of this course is to enrich the students in the field of data science. About 100 students from SRM Valliammai Engineering College and from SRM Arts and Science College attended the course through online mode. The programme was inaugurated by Dr. Komala James, Professor and delivered a welcome address to the participants and shared her views on the importance of course. The coordinator of the course Dr. C. Amali, Assistant Professor (Sel.G), welcomed the participants and highlighted the objective of the course and the instructions to the participants regarding the attendance, online test and feedback. The resource persons were Dr. C. Amali, A.P.



Online Course on 'Python for Data Science'

(Sel.G) Dept of ECE, Mr. N. Leo Bright Tennisson, A.P (Sr.G), Dr. S. K. Saravanan, A.P (Sel.G), Mrs. G. Sathya, A.P (O.G), Mrs. M. Priyadharshini, A.P (O.G), Mrs. A.Vidhya, A.P (Sr.G), Department of CSE, SRM VEC, Dr. D. Sridevi, A.P (Sr. G), Department of IT, SRM VEC. The topics focused on were Introduction to Python for Data Science, Variables, Operators and Data types, Data analytics using Numpy Arrays with hands on session. Python Libraries & Packages, Data visualization using Python, Pandas Data frames and data analysis, applications of Python in data analytics with real time examples in hands on session, Data Visualization dealing with missing data and data sets. An Online test was conducted and feedback was collected from the students about the course. Dr. C. Amali, A.P (Sel.G)/ECE proposed a vote of thanks.

The Department of Electronics and Communication Engineering organized an Expert Lecture on 'Recent Trends in Telecommunication' in association with IIPC, IIC, ISTE, IETE Student's forum & SRM VEC - CSI student branch, on 17th May 2023, for the benefit of ECE students. The event started with welcome address delivered by the Coordinator of the event, Mr.D. Murugesan, Assistant Professor (Sel.G) Mr.J.Charles Vinoth, Assistant Professor (O.G) introduced the resource person. The Resource person was Mr.K.Sivasenthil, IT Analyst, TCS Chennai delivered the lecture on Recent Trends in Telecommunication. Around 150 students of ECE attended the expert lecture. The lecture focused on Basics on Telecommunication and Generation of Telecommunication Industry. He also focused on the Recent technologies in Telecom Industry and opportunities for them in the emerging Telecom field. The event coordinator Mr. D. Murugesan, AP-ECE proposed a vote of thanks.



Expert Lecture on 'Recent Trends in Telecommunication'

55 II year ECE 2 students went on an Industrial Visit to India Meteorological Department (IMD), Meenambakkam, Chennai on 25th May 2023 accompanied by two staff Members Mr.S.Mari Rajan, A.P (Sr.G)/ECE and Mrs.K. Durgadevi, AP (O.G)/ECE. Mr. C. Kamal, Meteorologist explained the working principle of cup anemometer and campbell sunshine recorder. Mr. M. Rigi Xavier, Meteorologist, explained the launching of GPS radiosonde. Ms. Pooja Rani, Scientific Assistant, explained about the self-recording rain gauge and ordinary rain gauge.

The Department of Electronics and Communication Engineering in association with IIC, ISTE, IETE Students Forum & SRM VEC CSI Student branch forum conducted 5 days Faculty Development Programme on the 'Principles of RF and Microwave Signal propagation' from 1st June 2023 to 7th June 2023. The objective of this FDP was to share their knowledge and to improve their skill of presentation on the subject effectively. The topics focused in the faculty development programme were Antenna and Microwave Engineering, Transmission Lines and RF Systems and Signals

and Systems in order to facilitate the need of extra information to the faculty members. 18 faculty members attended the programme. The programme was inaugurated by Dr. Komala James, Professor The coordinators of the faculty development programme Dr. C. Amali, Assistant Professor (Sel.G), and Mr.J.Charles Vinoth, Assistant Professor (O.G) welcomed the participants and highlighted the objective of the programme. Resource persons from various colleges participated and shared their knowledge on Introduction to Microwave Systems and Antennas, Classification of Signals and Systems, Impedance Matching in High Frequency Lines, Passive and Microwave devices, Analysis of Continuous time and Discrete Time Signals. Dr. C. Amali, Assistant Professor (Sel.G)/ECE proposed a vote of thanks.



FDP on 'Principles of RF and Microwave Signal propagation'

The Department of ECE conducted a one-day Staff Skill Development Training Programme (SDTP) for our college Non-teaching staff members on 9th June 2023. The resource person, Dr. Komala James, Professor & Head, Department of ECE, SRM Valliammai Engineering College, presented lecture and on 'Stress Management for Self Development' 17 staff members from various departments attended the skill development training programme. The session started with a Welcome address and a brief introduction to chief guest by the Programme coordinator Dr.V.Suresh Kumar, Assistant professor (Sel.Gr), Department of ECE. The presentation and practice were given on the following activities such as Reason for Stress, How to reduce stress., Stress Management & Meditation, Relaxation techniques, Breathing Exercises. The session was very interesting, motivating and beneficial to all those who attended the programme.



SDTP on 'Stress Management for Self Development'

Ms. K. Durgadevi presented a open seminar for Pre Synopsis Submission titled on 'Improvement of Power quality in DC-DC Zeta converters using optimization algorithms based FOPID Controller' on 4th May 2023.

Dr. S. Ramesh published a SCI research paper titled 'Bandwidth and frequency agile MIMO antenna for cognitive vehicular communications' in the Journal 'International Journal of Communication Systems' on May 2023.

- Dr. S. Ramesh published a SCI research paper titled 'A novel MIMO antenna with switchable UWB/5G modes for vehicular terminals' in the Journal 'Microwave and Optical Technology Letters' on May 2023.
- Mr. A. Pandian & Dr. G. Udhayalumar published a SCI research paper titled 'Improved multiple sclerosis diagnosis with advanced deep learning techniques' in the Journal 'International Journal of Imaging Systems and Technology' on May 2023.
- Dr. S. Ramesh published a scopus indexed research paper titled 'Design Of Compact Y-Shape Antenna For 5G Smartphones' in the 'First IEEE International Conference on Networking and Communications 2023' on May 2023.
- Dr. C. Saravanakumar published a scopus indexed research paper titled 'Methodology for Classifying Objects in High-Resolution Optical Images Using Deep Learning Techniques' in the conference 'Advances in Signal Processing, Embedded Systems and IoT, Lecture Notes in Electrical Engineering' on May 2023.
- Dr. V. Sureshkumar published a scopus indexed research paper titled 'Innovative Wate Management Solutions for Smart Cities Using IoT & NodeMCU' in the conference 'Recent Advances in Electrical, Electronics, Ubiquitous Communication and Computational Intelligence' on May 2023.
- Dr. Komala James, Dr. S. Ramesh, Mr. R. Dhananjeyan and Mr. V. Prasanan went for the Industry Immersion Programme at PANTECH Solutions Pvt.Ltd., from 26th June 2023 to 1st July 2023.
- Dr. G. Udhayakumar went for the Industry Immersion Programme at Atheena Pandian Pvt.Ltd., from 26th June 2023 to 1st July 2023.
- Dr. N. Subhashini, Dr. V. Sureshkumar, Mr.S.Senthilmurugan, Mr. S. Mari Rajan and Ms. S. Abirami went for the Industry Immersion Program at GE TEK Electronics Pvt.Ltd. from 26th June 2023 to 1st July 2023.
- Dr. C. Amali, Ms. K. Durgadevi and Ms. K. Arthi went for the Industry Immersion Program at RETECH Solutions Pvt. Ltd. from 26th June 2023 to 1st July 2023.
- Dr. C. Saravanakumar, Mr. D.Murugesan, Mr.A.Pandian and Mr. S. Sevagan went for the Industry Immersion Programme at PKM Power Products Pvt.Ltd. from 26th June 2023 to 1st July 2023.
- Ms. C. Kavitha went for the Industry Immersion Programme at Vi Microsystems Pvt.Ltd. From 26th June 2023 to 1st July 2023.
- Mr. R. Rajesh IV Year student received the BEST NSS Volunteer award from Anna University Guindy Chennai on 28th April 2023.

Mummadi Swetha IV Year ECE and M. Likitha, III year ECE student won the Bronze medal in 67th Junior National Ball Badminton Championship held from March 30th to April 3rd 2023 at Murthizapur.

Logeshkumar, K, Keerthana.J, Karthick and Karankumar, IV year ECE students participated in the Cloud Computing Workshop organized by CSEA College of Engineering, Guindy on $5^{\rm th}$ May 2023.

S. Sowjanya, III year ECE student participated in the Data Analysis with Pandas and Python and Java Programming Workshops organized by Digital Adda on 13th May 2023.

Jeyavashini Subramanian, III year ECE student participated in the Online Course Linkedin Workshop organized by Course Communication Foundations on 23rd May 2023.

Youth Red Cross



The YRC conducted a Career Guidance programme, for all the YRC students of First Year on 7th June. A team from KYNDRYL, headed by MS. Vidya Prabu, Associate Director, addressed the students on the topic of Career Guidance and POSH.

The programme started around 2.00 pm with the introduction to the KYNDRYL, after which Ms.Sunitha of the organization delivered his address on Prevention of Sexual Harassment (POSH) in the workplace as well as elsewhere. She highlighted the various points a student should have known legally, ethically and morally.

Afterwards, the stage was taken over by Ms.Vidya Prabhu, Associate Director, IBM Cloud Global Delivery, Cloud Practice, KYNDRYL. She spoke about the various aspects of becoming an employee or employer. If the student chose to become an employee, what sort of things he/she should focus on, like subject knowledge, skillsets, communication skills, creativity etc. Finally the vote of thanks was proposed by Mr.Ananth.G, PO/YRC.



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 'Biomedical Therapeutic Equipment, Signal and Image Processing' from 12th June 2023 to 16th June 2023. The topics focused in the faculty development programme were Therapeutic Equipments, Signals and Systems & Digital Image Processing in order to facilitate the need for 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 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 Dr. J. Mohan, Professor welcomed the participants and highlighted the objective of the programme and the instructions to the participants regarding the attendance and feedback.



A 5 day FDP on 'Biomedical Therapeutic Equipment, Signal and Image Processing'

In session I, Ms. Jemina B.E., M.E., Senior Biomedical Trainer, Atheenapandian Pvt. Ltd, presented a lecture on 'Nebulizer' and how to use it for ICU patients in hospital. In Session II, Ms. Jemina B.E., M.E., Senior Biomedical Trainer, Atheenapandian Pvt. Ltd explained the concepts of Therapeutic Equipment 'Suction Pump & Hearing Aid'. In Session III, Ms. Jemina B.E., M.E., Senior Biomedical Trainer, Atheenapandian Pvt. Ltd explained the function of Fetal Doppler and how to use the equipment for women during pregnancy period. In session IV, Ms. Jemina B.E., M.E., Senior Biomedical Trainer, Atheenapandian Pvt. Ltd, presented the functions of 'Infusion Pump', the concept of Syringe pump was discussed in session V and the concept of 'PMS' in session VI. In

session VII, Mr. C. Satheeswaran, Assistant Professor, Medical Electronics, SRMVEC presented a lecture on 'Classification of Signals and Systems' & 'Linear Time Invariant Continuous Time Systems' in session VIII. In session IX, Mr. M. Selvaraj, Assistant Professor, Medical Electronics, SRMVEC presented the concepts of 'Digital Image Fundamentals and Image Enhancement' & 'Image Compression and Recognition' in session X. The faculty members of Medical Electronics, ECE and Project Assistant participated in the FDP.

Mrs. V. Venmathi, Assistant Professor, attended a national level workshop titled on 'Optical Wireless Communication Technologies and its Applications in Urban and Rural Environment' conducted by NITTTR in association with ERNET India, IIIT-Delhi and C-DAC, Chennai on 16th May 2023.

Dr. N. Usha Bhanu, Professor & Head, presented a paper titled on 'Investigations of Machine Learning Algorithms for High Efficiency Video Coding (HEVC)' and also served as the Reviewer in the International Conference on Signal Processing, Computation, Electronics, Power and Telecommunications organized by NIT, Puducherry, Karaikal on 25th - 26th May 2023.

Ms. S. Srijaa, II MDE, gave a presentation for the expert seminar on Hygienic Measures for Girl Students on 20th April 2023 organized by Student Affairs Committee, SRMVEC.

SPORTS

SRM VEC Player Mr.K.Vasanthakumar, III-Mech, represented the Tamil Nadu team and won Two Gold Medals (Fives & Doubles) in the Junior National Ball Badminton Men Championship 2023 organised by Ball Badminton Federation of India, held at Maharashtra State, from 30th March to 3rd April 2023.

SRM VEC Players Ms.Mummadi Swetha, III-ECE, and Ms.M.Likhitha, II-ECE, represented the Andhra Pradesh team and won the Bronze Medal in the Junior National Ball Badminton Women Championship 2023 organised by Ball Badminton Federation of India held at Maharashtra State from 30th March to 3rd April 2023.

The SRM VEC Ball Badminton Women team participated in the State Level Inter College Ball Badminton Women Tournament and qualified for the Quarter Finals, organized by OBBC Club, Srirangam, Trichy from 6th to 7th May 2023.

Mr.K.Srinadh, III-EEE won the Runner up Position with a cash prize of Rs.8000, in Andhra Pradesh State Open Doubles Badminton Men Tournament held at Prakasam District, AP on 22nd May 2023.

SRM VEC received the Appreciation Award from the Anna University for successfully completing the Anna University Zone-4 Sports Coordinating activities for 2022-23 on 9th June 2023.

5 students from SRM VEC received Form-III Certificates from Anna University for 2022-23 on 9th June 2023.

The department of Physical Education and NSS successfully organized the Cycle Rally for 'World Cycle Day 2023' on 12th June 2023.

The department of Physical Education and NSS successfully organized the 'International Yoga Day 2023' on 21st June 2023.











Department of Electrical & Electronics Engineering

The department organized a seminar on the topic 'Solar Power Satellites and Microwave Power Transmission' on 17th April 2023. The Resource person was Ms.R.Sreeja, Communication Systems Engineer, Research and Development, Space Machines Company, Bengaluru.



Seminar on 'Solar Power Satellites and Microwave Power Transmission'

The department organized a Workshop on the topic 'Autonomous Electric Vehicles' on 21st April 2023. The Resource person was Dr.G.Mahalakshmi, Head(R&D), EVNEXUS Private Limited, Chennai.



Workshop on 'Autonomous Electric Vehicles'

Third year students of Electrical and Electronics Engineering department attended Industrial visit at VIP Equipments, Thirumudivakkam, Chennai on 21st April 2023.



Industrial visit at VIP Equipments, Thirumudivakkam

Third year students of Electrical and Electronics Engineering department went on an Industrial visit at PSG Nanotechnology, Coimbatore, GEDEE Car museum, Pykara Hydroelectric Power Plant and The Tea Factory and The Tea Museum, Ooty on $5^{\rm th}$ and $6^{\rm th}$ May 2023.



Industrial visit at PSG Nanotechnology, Coimbatore

The department organized a Staff Development Programme on the topic 'Energy Maintenance of Electrical Apparatus' on 10th June 2023. The Resource person was R.Rajesh, Managing Director, VIP Equipments, Thirumudivakkam, Chennai.



SDP on 'Energy Maintenance of Electrical Apparatus'

The department organized a six day Faculty Development Programme on the topic 'Electrical Machines -I' from 12th to 17th June 2023. The Resource persons were Dr. Ganesh Kumar Srinivasan, Professor/EEE, Anna University, CEG, Dr.C.S.Boopathi, Associate Professor/EEE, SRM Institute of Science and Technology, Dr. K. Saravanan, Associate Professor/EEE, SRM Institute of Science and Technology, Dr.R.Arivalahan, Professor/EEE, SRM Valliammai Engineering College and Dr. S. Malathi, Associate Professor/EEE, SRM Valliammai Engineering College.



Six days FDP on 'Electrical Machines -I'

Mr.V.Sudhagar, AP(Sr.G) and Mr.S.Venkatesh, AP(O.G) completed an NPTEL course on 'Smart Grid: Basics to Advanced Technologies'.

Mr.S.Balaji, AP(Sr.G) completed NPTEL course on 'Air Pollution and Control'.

Mr.S.Balaji, AP(Sr.G) completed NPTEL course on 'Design of Power Electronic Converters'.

Dr.K.Elango, Professor & Head, Ms.P.Bency, AP(Sr.G) Ms.R.V.Preetha, AP(Sr.G), Ms.R.Elavarasi, AP(O.G) and Ms.A.Dhivya AP(O.G) completed NPTEL course on 'Renewable Energy Engineering'.

National Service Scheme



Best NSS Volunteer Award from Anna University

The NSS Cell of Anna University Chennai organized the University-Level NSS Award Function on 28th April 2023 at 10:00 am. The event aimed to recognize and appreciate the exceptional contributions of NSS volunteers from various colleges affiliated with Anna University. The ceremony commenced with an invocation, followed by a warm welcome address delivered by Professor G.Ravikumar, Registrar of Anna University. He expressed gratitude to all attendees and participants.

The event was graced by the presence of esteemed dignitaries, including Professor R. Velraj, Vice-Chancellor of Anna University, and Thiru Atulya Misra, IAS, Additional Chief Secretary of Youth Welfare & Sports Development, Government of Tamil Nadu. Professor R. Velraj delivered a captivating presidential address, acknowledging the remarkable efforts of the NSS volunteers in promoting social welfare and community development.

The award distribution ceremony was the highlight of the event. Thiru Udhayanidhi Stalin, the Honorable Minister for Youth Welfare & Sports Development, Tamil Nadu distributed the awards to the deserving volunteers. With grace and dignity, he presented the "Best Volunteer" award to R. Rajesh from SRM Valliammai Engineering College. The chief guest, Thiru Udhayanidhi Stalin, then delivered an inspiring address, commending the efforts of all NSS volunteers and encouraging them to continue their selfless service to society.

The award function concluded with a vote of thanks delivered by Dr. G. Rajesh, NSS Programme Coordinator of Anna University. He expressed gratitude to the dignitaries, volunteers, and everyone involved in making the event a grand success.

A blood donation drive was conducted in SRM Valliammai Engineering College in collaboration with SIMS Hospital, SRM Medical College Hospital & Research Centre, and Aramseivom Trust in Little Mount, Chennai. The event took place on May 25, 2023, from 9 a.m. to 1:30



Blood Donation Camp

p.m. and witnessed an overwhelming response from 273 students and staff members of the college.

The blood donation drive, which aimed to address the constant need for blood in medical emergencies and promote awareness of voluntary blood donation, resulted in a remarkable collection of 200 units of blood. Each hospital, SIMS Hospital and SRM Medical College Hospital & Research Centre, collected 100 units respectively.

The participation of 273 students and staff members demonstrated their commitment to the cause and their willingness to contribute to saving lives.

On June 12th, 2023, the NSS unit of SRM Valliammai Engineering College organized a cycle rally within the campus premises in Kattankulathur to celebrate World Cycle Day. The primary objective of the rally was to promote cycling as a mode of transportation that not only improves physical fitness but also contributes to reducing carbon emissions, air pollution, and traffic congestion.



Cycle Rally on World Cycle Day

The rally took place from 8:30 am to 9:30 am, covering various significant locations on the campus, including the Arts & Science block, the University building, the Medical block, and the Dental block. Dr. Parathasarathy led the rally by riding the cycle first, setting an example for the participants to follow. As the NSS Programme Officer, he played a pivotal role in organizing and executing the event.

As part of the Environment Day celebrations, a group of 46 volunteers from the NSS unit of SRM Valliammai Engineering College, along with five members of the 'Nammal Mudiyum' team from 'Puthiyathaimurai TV', actively participated in two events held from June 12, 2023, to June 13, 2023. The first event focused on the restoration and renovation of an 'Anganvadi Maiyam' located in Gandhi Nagar, Ward 3, Maraimalai Nagar. The NSS volunteers were divided into two teams, and the second team concentrated on a tree plantation activity at Thiruvalluvar Park, Maraimalai Nagar.



'Anganvadi Maiyam' renovation and plantation on World Environment Day

The primary objectives of the first team were to provide a better educational environment and promote overall

development in the rural area. The volunteers worked diligently together to thoroughly clean the premises and repainted the walls, giving the building a fresh and vibrant appearance. They also showcased their artistic skills by creating wall art featuring children's images and incorporating 'Thirukkurals'. Through collaborative efforts with local authorities, the 'Anganvadi Maiyam' received a much-needed facelift, providing an improved learning environment for the children.

Simultaneously, the NSS volunteers organized a tree plantation event at Thiruvalluvar Park to increase the green cover and raise awareness about the importance of trees for a sustainable environment.

The International Yoga Day event was organized by the NSS unit of SRM Valliammai Engineering College's on 21st June 2023 in association with Isha Foundation. The event aimed to promote the importance of yoga and its positive impact on physical and mental well-being. To cater to the specific needs and comfort of all participants, separate yoga sessions were organized for boys and girls. This ensured a conducive environment for practicing yoga and allowed participants to focus on their practice without any distractions. A total of 153 participants actively took part in the yoga sessions.

The yoga sessions were conducted for more than an hour, providing participants with ample time to engage in



Celebration of the 9th International Yoga Day

various yoga asanas (postures) and experience the benefits of sustained practice. The extended duration allowed participants to deepen their practice and achieve a state of relaxation and inner calm.

The participants were trained and guided by experienced yoga instructors from the Isha Yoga Foundation. They explained the value and significance of yoga. They also elaborated on how regular practice of yoga can enhance physical fitness, improve mental clarity, reduce stress, and promote overall well-being. This thoughtful arrangement allowed participants to replenish their energy and stay hydrated, further enhancing their overall experience.



Department of Electronics & Instrumentation Engineering

The Department in association with the ISA VMEC Student Charter and ISTE organized the following programmes.

An Alumni Talk on 'Successful Start-up Founders' was delivered by Mr. C.Dhivya Bharathi, Head Winning Star Institute & Bharathi Edutech Network, Application Chennai on 28th April 2023.



Alumni Talk on 'Successful Start-up Founders'



Mini project Expo

A Mini project Expo was held on 21st April 2023, V.Jayasuriya (Alumni 2020 Passout), Project Manager, Roanuz, Chennai & Mr. K. R. Ganesh AP (Sr.G) evaluated the student's mini project.

A Faculty Development Programme on 'Electrical Circuits, Devices and Control Systems' was conducted from 12th June 2023 to 16th June 2023.



FDP on 'Electrical Circuits, Devices and Control Systems'

A Staff Development Programme on 'MATLAB for Engineers' was conducted by Ms. M.Shanthi, AP (Sr.G), and Mr. N.Sowrirajan, AP (Sr.G) Chennai on 22nd June 2023.



SDP on 'MATLAB for Engineers'

A Workshop on 'Teachers Enrichment Programme' was organized by Mr. K.R.Ganesh, AP (Sr.G), and Mr. P.Tamilmani, AP (Sl.G) on 28th June 2023 for the benefit of the students at Higher secondary level.



Workshop on 'Teachers Enrichment Programme'

Faculty members of the EIE, ECE, AI & DS, Maths and Chemistry visited National Institute of Ocean Technology, Chennai-100 on 30th June 2023.



Faculty visit to National Institute of Ocean Technology

Mr.K.R.Ganesh AP (Sr.G) was the topper in the NPTEL online certifications course on Electrical Vehicles-part-1.

Mr. R.Issan Raj AP (Sr.G) was the topper in the NPTEL online certifications course on Signals and System.

M. Aswin IV year, R. Santhosh IV year, and A. Yuwaraj IV year presented a paper on 'Performance Improvement of Solar Cell using Modified Boost Converter' in the 4th International Conference on Signal Processing and Communication (ICSPC) on 23rd and 24th March 2023, IEEE Xplore DOI: 10.1109/ICSPC57692.2023.10125734.

G. Ashmitha IV year, K. Manish Daniel IV year, and J.Saravanan IV year presented a paper on 'IoT Based Sustainable Live Stock Health Monitoring System' in the International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE) on 29th and 30th A p r i 1 2 0 2 3 a n d I E E E X p l o r e D O I: 10.1109/ICDCECE57866.2023.10151233.

Mr. N.Sowrirajan AP (Sr.G) and Dr.K.Ayyar Associate Professor published a paper on 'Realtime Identification of Model and Design of Data-Driven Controller for Nonlinear Systems' in the Journal of Environmental Protection and Ecology, Volume 24, Issue 4, June 2023.

EDITORIAL

The Chief Editor : Dr. B. Chidhambara Rajan, Director, SRMVEC

Editors : Dr. M. Murugan, Principal, SRMVEC

Dr. M. Chithra, Asst. Prof.(Sr.G), Head, Dept. of English Mr. Abhishek David John, Asst. Prof.(O.G.), Dept. of English

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



Department of Mechanical Engineering

A Seminar on 'Recent Trends in Mechanical Engineering and Importance of Internship' was conducted on 03rd May 2023 and 16th May 2023 for Mechanical Engineering students. The resource person Mr. Arunkumar V, Assistant Manager, TVS Training and Services Ltd., delivered the expert lecture on the following topics:

■ Various modern technology in Industries ■ Applications of modern tools in automotive companies ■ Technical knowledge required to work in Industries ■ Electrical Vehicle current trends and future ■ Importance of Internship ■ Application of IoT in automotive industries ■ Data Science and its application in



Seminar on 'Recent Trends in Mechanical Engineering and Importance of Internship'

industries.

A Five day Faculty Development Programme on 'Forces on solid structures, Fluids and Gases' from 19th June to 23rd June 2023 in the Mechanical Department Dynamics Lab. In the Faculty Development Programme, the Seven resource persons has delivered the presentation. The following resource persons delivered their lectures:

- Dr.D.Easu, Associate Professor, KCG College of Technology, Chennai delivered lecture about Free body diagram -Types of supports Varignon's Theorem Single equivalent force- Equilibrium of Rigid bodies in two dimensions Equilibrium of Rigid bodies in three dimensions.
- Mr.P.Ramu, Asst.prof./Mechanical, SRM Valliammai Engineering College, Chennai delivered lecture on Introduction- Units and Dimensions- Laws of Mechanics-



Basic Concepts - First Law and Second Law of Thermodynamics

Lami's theorem, Parallelogram and triangular Law of forces, Principle of transmissibility.

Dr.J.Kamalakannan, Assistant Professor, Sri Sairam



Equilibrium of Rigid Bodies and Properties of Surfaces and Solids

Institute of Technology, Chennai delivered lecture on Mole and Mass fraction, Dalton's and Amagat's Law. Properties of gas mixture Molar mass, gas constant, density, and change in internal energy, enthalpy, entropy and Gibbs function.

- Mr.J.P.Ramesh, Asst.prof./Mechanical, SRM Valliammai Engineering College, Chennai delivered lecture on System and their types. Thermodynamic Equilibrium State, path and process. Quasi-static, reversible and irreversible processes. Heat and work transfer-V diagram. Zeroth law of thermodynamics concept of temperature and thermal equilibrium relationship between temperature scales First law of thermodynamics
- Dr.K.Asrar Ahmed, Assistant Professor, B.S.Abdur Rahman Crescent Institute of Technology, Chennai delivered lecture on Hydraulic and energy gradient Laminar flow through circular conduits and circular annuli-Boundary layer concepts -types of boundary layer thickness.



Gas Mixtures and Thermodynamic Relations

- Ms.N.Nithya, Asst.prof./Mechanical, SRM Valliammai Engineering College, Chennai delivered lecture on Units and dimensions- Properties of fluids- mass density, specific weight, specific volume, specific gravity, viscosity, compressibility, vapor pressure, surface tension and capillarity.
- Mr.M.Vadivel, Asst.prof./Mechanical, SRM Valliammai Engineering College, Chennai delivered lecture on Displacements, Velocity and acceleration, their relationship Relative motion Curvilinear motion Newton's laws of motion Work Energy Equation Impulse and Momentum Impact of elastic bodies.

Mr.K. Venkatesan was awarded Doctorate of Philosophy during April 2023.

- S.Thirugnanam, G.Ananth, T. Muthu Krishnan, and Tewedaj Tariku Olkeba published a paper on Microstructure and Mechanical Characteristics of Stir-Casted AA6351 Alloy and Reinforced with Nanosilicon Carbide Particles Journal of Nanomaterials (2023), Article ID 7858827, 6 pages, https://doi.org/10.1155/2023/785882.
- G. Ananth, T. Muthu Krishnan, S. Thirugnanam, and Tewedaj Tariku Olkeba published a paper on Optimization on Stir Casting Process Parameters of Al7050/Nano-B4C Metal Matrix Composites, Journal of Nanomaterials (2023), Article ID 3615093.

NPTEL Local Chapter

Nearly 81 students and 31 faculty members successfully completed the NPTEL online examination during the period January to April 2023 from SRM Valliammai Engineering College NPTEL Local Chapter.

Our college was recognized as NPTEL Active Local Chapter based on the performance of participation of online certification for January-April 2023 session.

Dr. M. Anbuchezhiyan, Professor and Head, Physics received the Active SPOC certificate from NPTEL based on the performance and participation of candidates for January to April 2023 NPTEL online courses.

Dr B Muthusenthil, Professor and Head, Al&DS, Mr.R. Issanraj AP (EIE), Ms. S Suma AP (CSE), Mr.S.Ashok Kumar AP (IT) and Mr. K R Ganesh AP (EIE) were the toppers in NPTEL online courses during the period January-April 2023.

Ms. V Maithri (MBA, Topper in 2 subjects), and Ms.Dharanika S K (Agri) were the Toppers in NPTEL online courses during January to April 2023.



Department of Information Technology

The school programme titled 'Springs-The fantastic nightmare with AR/VR for GENX' for the students of Bethel Matric Higher Secondary School was held on 6th May 2023. The coordinators of the event were Ms.S.Shenbagavadivu, A.P(Sel.G) and Dr.R.Thenmozhi, A.P(Sel.G).



School programme titled 'Springs-The fantastic nightmare with AR/VR for GENX'

The National Conference on 'Recent Trends in Computational Intelligence 2023(NCRTCI'23)' was conducted on 19th April 2023.The coordinator of the conference was Ms.S.Sandhya.A.P(Sr.G)



National Conference on 'Recent Trends in Computational Intelligence 2023(NCRTCl'23)'

The seminar titled 'Data Science and Its Applications' was organized on 20th April 2023. The coordinator of event was Dr.D.Sridevi, A.P(Sr.G).



Seminar on 'Data Science and Its Applications'

The Faculty Development Programme on 'Data Structures, Science and Security (DSSS)' was conducted from 05th April 2023 to 09th April 2023. The coordinators of the event were Dr.S.Sekar, A.P (Sel.G) and Mr.A.Aswin Jeba Mahir, A.P (O.G).



FDP on 'Data Structures, Science and Security (DSSS)'

The department of Information Technology and Artificial Intelligence and Data Science organized a 'Mini Project EXPO-2023' on 5th May 2023. The coordinators of the event were Mr.S.Sekar. A.P(Sel.G), and Dr.S.Ravikumar, Asso. Prof



'Mini Project EXPO-2023'

The Guest Lecture on 'Full Stack Development' for the III Year Students held on 16th May 2023. The coordinator of the event was Ms.A. Shimona Shali, A.P(O.G)



Guest Lecture on 'Full Stack Development'

The Staff Development Training Programme on 'Effective Blog Creation and Basic Web Development' was held on 25th June 2023. The coordinators of the event were Mr.G. Vivekanandan, A.P(O.G) and Mr. Aswin Jeba Mahir, A.P(O.G).



SDTP on 'Effective Blog Creation and Basic Web Development'

An Industrial Visit to Akashvani, Chennai was organized for the faculty members on 20th June 2023 by the Industrial Visit Co-ordinator Ms.S.Shenbagavadivu,A.P,(Sel.G).



Industrial Visit to Akashvani, Chennai

Dr.S.Narayanan, Associate Professor & Head published a paper titled 'Climate Change Prediction using Time Series' in Industrial Engineering Journal ISSN: 0970-2555 Volume: 52, Issue 4, No. 3, April: 2023

Dr. S Sekar, A.P(Sel.G) published a paper titled 'Trust-Based AOMDV Protocol Multipath Routing in Mobile Adhoc Networks' in Industrial Engineering Journal ISSN: 0970-2555 Volume: 52, Issue 4, April: 2023

Dr.D.Sridevi, A.P(Sr.G) published a paper titled 'Multi-Level Secure Transaction using Facial Authentication on a Mobile Banking Application' in Industrial Engineering Journal: ISSN 0970-2555 Volume: 52, Issue 4, April: 2023 UGC Care Approved, Group I.

Mr.M.Asan Nainar, A.P(Sel.G) published a paper titled 'Application of Intelligent Recommendation for Agricultural Cultivations' in International Journal of Scientific Research in Engineering and Management (IJSREM) Volume: 07 Issue: 04, April - 2023

Ms.U.ChindiyaBaby, A.P (O.G) published a paper titled 'Women Safety System Using IoT' in International Journal of Advanced Research in Science, Communication and Technology Volume 3, Issue 6, April 2023.

Ms.S.Shenbagavadivu, A.P (Sel.G) presented a paper titled 'Implementing Sentimental Analysis for Detecting Fake News' in Advances in Software Engineering and Information Technology on 16th -17th June 2023, ASIT 2023, Hinweis Research.

Ms.S.Shenbagavadivu, A.P(Sel.G), Department of IT, delivered a lecture on the topic 'Data Science: KNN, DT, RF and

CNN' on 06th April 2023 in the Five days FDP on 'Data Structures, Science and Security'(DSSS).

Ms.S.Sandhya,A.P(Sr.G) achieved the Young Researchers Award from 2nd Regional CSI-KPM Chapter Awards 2023 held on 26th Apr 2023 at St.Joseph's Institute of Technology, OMR, Chennai.

Ms.S.Shenbagavadivu, A.P(Sel.G) achieved a certificate of appreciation for being recognized as NPTEL DISCIPILINE STAR for the year Jan-Apr 2022.

Dr. S Sekar, A.P(Sel.G), completed the NPTEL Online Certification in 'Foundation of Cloud IoT Edge ML' held in May 2023

Dr.S.Narayanan, Asso.Prof , Dr.S.Sekar,A.P(Sel.G) and Ms.S.Kiruthika participated in the Inculcating FDP-Universal Human Values in Technical Education organized by All India Council for Technical Education (AICTE), New Delhi during $12^{\mbox{\tiny th}}$ June 2023 to 16th June 2023

Ms.Subhalakshmi.V, III Year IT2 participated in 'Rangoli' Competition organized by Poonthalir Youth Trust and Moongil Literary Club on 28th May 2023 and won the First Prize.

Ms.K.Priyadharshini and Ms.S.Pavithra, III Year IT 2 presented a paper titled 'Implementing Sentimental Analysis for Detecting Fake News' in Advances in Software Engineering and Information Technology on 16th -17th June 2023, ASIT 2023, Hinweis Research.



Department of Artificial Intelligence & Data Science

Department of Artificial Intelligence and Data Science organized a Value Added Course on 'Machine Learning Technique and Tools' for our college students from 25th March 2023 to 15th April 2023.



VAC on 'Machine Learning Technique and Tools'

Department of Artificial Intelligence and Data Science and Department of Information Technology jointly organized the Mini Project Expo 2023 on 5th May 2023 for pre-final year students.



Mini Project Expo 2023

Ms. S. Sangeetha, Assistant Professor in the department of AI&DS attended the Faculty Immersion Programme on 'AR and VR Application' organized by the Hackwit technologies Pvt. Ltd. Semmancheri, Chennai held from 22nd June 2023 to 28th June 2023 (Five Days).



Faculty Immersion Programme on 'AR and VR Application'

Department of Artificial Intelligence and Data Science organized the Five Days Faculty Development on 'VR & Statistical Thinking for Data Analytics' held from 12th June 2023 to 16th June 2023.





Master of Business Administration

Department of Management Studies organised an industrial visit to M/s. Hatsun Agro Private Limited for the First year MBA students on 27th April 2023. The students had the opportunity to observe and understand the manufacturing process carried out in the plant. Dr.J.Anand and Dr.V.Selvalakshmi accompanied the students.



Industrial visit to M/s. Hatsun Agro Private Limited

An industrial visit to M/s. United Breweries Private Limited was organised for the First year MBA students on 5th May 2023. Students were taken for a tour around the manufacturing facility and were briefed about the production and bottling process being carried out in the unit. Dr. M. Ganesan @ Kanagaraj and Mrs. A. UmaDevi accompanied the students.



Industrial visit to M/s. United Breweries Private Limited

A Guest Lecture on 'Managing Human Resource: Health, Safety and Risk Management Perspectives' was organised by the Dept. of Management Studies on 22nd May 2023 for the first year MBA students. Mrs. V. Bharani M.S.W., District Supervisor, District AIDS Prevention Control Unit, Greater Chennai Corporation, Chennai was the resource person.



A Guest Lecture on 'Managing Human Resource: Health, Safety and Risk Management Perspectives'

Department of Management Studies, SRM Valliammai Engineering College, in association with Institution Innovation Council (IIC) and Industry Institution Partnership Cell (IIPC) organised an International Conference on 'Business Opportunities of Digital Horizon in Global Economy' (BODHI G2023) on 15th June 2023. The theme of the conference focused on creating a forum for students, research scholars and faculty members to interact intensively on developing digital technology. Dr. K. Sentamilselvan, Head of the Department and Convener welcomed the Dignitaries and the participants and thanked the Management, Dr. S. Ramachandran, Director (Academics) SRM Group, Dr. B. Chidambararajan, Director, SRMVEC and Dr. M. Murugan, Principal, SRMVEC for their support and motivation in convening the conference. Dr.M.Thenmozhi, Prof & Head, Dept. of Management Studies, IIT Madras inaugurated the conference in the august presence of Dr. K. Sentamilselvan, Convener, Heads of Departments, faculty members and students of SRM Valliammai Engineering College. Mrs. Rajalakshmi Srinivasan, Director, Product Management, Zoho Corporation, Chennai was invited as the keynote speaker. Mrs. Rajalakshmi pointed out the relevance of the conference in today's digital era and the significance of the conference in creating a forum to exchange and share knowledge, experience, technological developments and research in the current scenario. Dr. S. Varalakshmi, Asst. Professor, Mazoon College, Sultanate of Oman connected through an online session and delivered a lecture on digital transformation in modern business. More than 75 research papers from students, research scholars and faculty members were received. The proceedings of the conference were released by the Chief Guest Dr. M. Thenmozhi and Mrs. Rajalakshmi Srinivasan, Director, Product Management, Zoho Corporation,

Chennai. Mrs. A. UmaDevi, Assistant Professor, Mr. Suresh. K, Assistant Professor, Mr. C. Dilip, Assistant Professor, Dept. of Management Studies coordinated the event and Mr. Thanga Baalaji Amuthan, Asst. Professor proposed a Vote of Thanks and concluded the conference.



International Conference on 'Business Opportunities of Digital Horizon in Global Economy' (BODHI G2023)

Department of Management Studies, SRM Valliammai Engineering College, in association with Institution Innovation Council organised an online webinar on 'How to plan for Business Start- ups: Legal and Ethical Issues' on 12th June 2023. S. Rathika, Associate Professor and Head- MBA, Prince SVP Engineering College, Chennai, delivered the lecture. First and Second Year MBA students participated and benefitted from the webinar.



Online webinar on 'How to plan for Business Start- ups: Legal and Ethical Issues'



Department of English

Ms M.Arthi, Assistant Professor published a paper titled 'A Discussion on the important soft skills needed for the career growth' in the journal of the journal of the Asiatic Society of Mumbai (A UGC CARE LISTED JOURNAL), Vol. no 1 (1) 2023, ISSN: 0972-0766, pg.no.1-5.

Ms. Abhishek David John, Assistant Professor published a paper titled 'Communication skills in English to get employed' in the journal. Of Journal of the Asiatic Society of Mumbai (A UGC CARE JOURNAL), Vol. no 1 (1) 2023, ISSN: 0972 - 0766, pg.no.6 - 10.

Mrs. V. Jayanthi, Assistant Professor published a paper titled 'Clueless with clues: An analysis of the novel The Name of Rose, A Post Modernist Mystery 'in the journal of Journal of the Asiatic Society of Mumbai (A UGC - CARE Journal), Vol. no I (1) 2023, ISSN:0972 0766, pg.no. 15-18.

Mrs. V. Jayanthi, Assistant Professor published a paper titled 'Pursuit of Identity: an analysis of the novel The Black Book, A Post Modernist Mystery 'in the journal of Shoda Prabha (UGC

Care Journal), Vol. no 48, Book. No. 05:2023, ISSN: 0974 8946, Pg. No. 23 24.



Burke Club organized an Oratorical Competition

The department of English, under the auspices of Burke Club organized an Oratorical Competition for the first year students on 22nd May 2023. The first year students displayed their oratorical skills and participated with great enthusiasm.



Oratorical Competition

The Department of English in association with IIC organized a workshop titled 'Interactive session on Intellectual Property rights- Knowing the Basics' on 24th May 2023. The Resource Person for the event was Dr.B. Gayathri, Associate Professor,Dept of Computer Science, Bishop Heber College, Trichy.

பாரிவேந்தர் மாணவர் தமிழ் மன்றம்

A Workshop was conducted on the topic Tamilar Marabhu (தமிழர் மரபு) for the faculty members on 21st April 2023 organized by Paarivendhar students Tamil association. Dr.K.Shanmugam, AP/CSE was the Resource person for the programme.



Dr.K.Shanmugam, AP/CSE Delivered a Speech titled of Dinam oru Thagaval (தினம் ஒரு தகவல்) in Vasanth TV on 1st April 2023.

A Workshop was conducted on the topic Tamilar Marabhu (தமிழர் மரபு) for the first year students on 12th May 2023 organized by Paarivendhar students Tamil association. Dr.Tamileyalan, Dr.K.Janaki, Dr.K.Manikandan, Assistant Professors of Tamil Deaprtment, Centre for Development of Tamil in Engineering and Technoology, Anna University were the Resource Persons and delivered about a speech on Tamilar Marabhu.



Dr.B.Chidhambararajan, Director/SRMVEC and Dr.K.Shanmugam, AP/CSE received Rs.15,000/-. Fund from Tamilnadu State Council of Science and Technology (TNSCST) for Poriyari Technical Tamil Magazine.

Mr.Sivabalan, Second year/Agri participated in the Debate show உரக்கச் சொல்லுங்கள் organized by Puthiya thalaimurai TV on 20th May 2023.

Ms. Harini Preetha, Second year/EIE participated in the Debate show உரக்கச் சொல்லுங்கள் organized by Puthiya thalaimurai TV on 04th June 2023.

Every Thursday different Tamil activities such as Speech Competitions, Poetry Competitions, and Debate Competitions are conducted by the Paarivendar Students' Tamil Association for developing Tamil language skills to the students. In this regard, a Speech competition was conducted on 25th May 2023 and prizes were awarded for the best performers.



Poonthalir Youth Trust and Moongil Literary club organized the various tamil competitions in May 2023. In this event the following students participated and won certificates.

1. P.Monica, First year Agri 2nd place in Singing Competition. 2. G.Gowri, First year / ECE 3rd place in Rangoli Competition. 3. M.Subash, Second year/CSE 1st place in Singing Competition. & 4. M.Thirugnanamoorthy, Second year CSE 3rd place in Singing Competition.

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The department of English, under the auspices of Eclectic Lingua organized Linguathon Phase II competitions for the first year students on 30th June 2023. The competitions were Short film making and its Review,Utopia and Just a Minute. The students from Vernacular medium were also given an opportunity to participate in competitions like Tongue Twisters and Translation activity.The students participated eagerly and displayed creative talents . The winners were rewarded with prizes.



Department of Physics

Dr.S.Padmaja, Assistant Professor (OG), participated in an International online workshop on 'Research Article Writing and Research Funding' conducted by Knowledge Research Academy, Coimbatore on 19th April 2023.

The department of Physics organised an expert lecture on the topic 'Multifunctional Nanomaterials and their Potential Applications' on 28th April 2023. The Chief Guest was Dr. Sruthi Ann Alex, Centre for Nano Science & Technology, Anna University, Chennai.

The department of Physics organised an expert lecture on the topic 'Physics of Materials' on 9th May 2023. The Chief Guest was Dr. S. Balakumar, Ph.D, FRSC (UK), FInstP (IOP, UK), SMIEEE (USA), Professor, National Centre for Nanoscience and Nanotechnology, University of Madras, Guindy Campus, Chennai.

Dr.M.Anbuchezhiyan, Professor & Head, participated in the webinar titled 'Biophotonics and biomedical Optics Current trends Research opportunities' as a part of International Light Day, organised by the SSN-IEEE Photonics Society student Branch held on 16th May 2023.

Mrs.D.Praveena, Assistant Professor (Sr.G), published a paper titled 'Study of Surface Modifications of Textile Card Clothing (AISI 1065 Alloy) by Laser Shock Peening', in the journal Materials (2023) 16, 3944, May 2023.

Dr.S.Padmaja, Assistant Professor (OG), completed NPTEL certificate course on 'Physical and Electrochemical Characterizations in Chemical Engineering', April 2023.

Ms.S. Madathy Babu, Teaching Research Associate, completed NPTEL certificate course on 'Physical and Electrochemical Characterizations in Chemical Engineering' April 2023

Dr.S.Padmaja, Assistant Professor (OG), published a research paper in the book chapter titled 'Growth and characterization of semiconductor nanostructures for device applications' with ISBN 978-93-5764-028-2, April 2023.



Department of Chemistry

Dr. N. Jayaprakash, Assistant Professor (Sr.G) received a Silver-Elite certificate in NPTEL Online Course on 'Organic Chemistry I (Tamil)' during February-March 2023.

Dr. P. Maheswari, Assistant Professor (O.G) published a paper titled 'Laccase-immobilized on superparamagnetic iron oxide nanoparticles incorporated polymeric ultrafiltration membrane for the removal of toxic pentachlorophenol' in the Chemosphere Journal, on 18th April 2023.

In the Two Day International Conference on 'Advances in Chemical Synthesis and Material Sciences (ICACSMS-2K23)', organized by Bharath Institute of Higher Education and Research, Chennai, Tamil Nadu, India, during 19-20th April 2023, the staff noted below presented papers.

Dr. L. Devaraj Stephen, Assistant Professor (Sr.G) presented a paper on 'Rationale design on the photoreduction of CoIII(pn)2Cl(L)2+ for heavy metal on 'Aqueous TiO2 under Visible-Light'.

Dr. J. Krishnamurthi, Assistant Professor (Sr.G) presented a paper on 'Synthesis, Characterization, Molecular Docking and In Vitro Anti-Diabetic Activity Studies of 1-(2,4,6-trimethoxybenzyl)-2-(2,4,6-trimethoxyphenyl)-1Hbenzo[d]imidazole'.

Dr. N. Jayaprakash, Assistant Professor (Sr.G) presented a paper on 'A Waste to Wealth Approach: CaO/carbon Composite from Eggshells Waste by Thermal Decomposition Method'.

Dr. M. Soundarrajan, Assistant Professor (O.G) presented a paper on 'Bio-Sorption of Chromium Toxic Metal and Isothermal Kinetic Study'.

Dr. S. G. Gunasekaran, Assistant Professor (O.G) presented a paper on 'Studies on Synthesis and Characterization of Nanosilica Reinforced Maleimido Terminal Phenyl Pendant Pyridine Core Polybenzoxazine (nSiO2/PBZ) Hybrid Nanocomposites'.

Dr. P. Maheswari, Assistant Professor (O.G) presented a paper on 'Synthesis and Characterization of PEI/PMVEMA/PVPThin-Film Composite Ultrafiltration'.

Mr. V. Arivalagan, Assistant Professor (Sr.G) presented a paper on 'Nanotitania Reinforced Imine Skeletal Arene based Polybenzoxazine (nTiO2/PBZ) Nanocomposites'.

Ms. M. Meera, Assistant Professor (O.G) presented a paper on 'Nanosilica Reinforced Thiophenyl Pendent Cardanol End Capped Imine Skeletal Polybenzoxazine (nSiO2/PBZ) Nanocomposites'.

Ms. S. Charumathi, Teaching & Research Associate presented a paper on 'Preparation and Performance of Hybrid Membranes using Poly Lactic Acid (PLA) for Water Treatment'.

Dr. L. Devaraj Stephen, Assistant Professor (Sel.G) was awarded the Certificate of Excellence in Reviewing for the recognition of outstanding contribution to the quality of the journal by the International Research Journal of Pure and Applied Chemistry, on 29th April 2023.

The Department organized a Guest Lecture on 'Guest Lecture on Environmental Pollution' on 26th April 2023.



Guest Lecture on 'Guest Lecture on Environmental Pollution'

Dr.C.Arulvasu, Professor, Department of Zoology, University of Madras, Chennai, Tamil Nadu, India was the Resource Person. Around 115 students and the faculties from various institutions attended the guest lecture.

The Department organized a Guest Lecture on 'Guest Lecture on Natural Calamities and its Impacts' on 24th May 2023. Dr. R. Vanathi Vijayalakshmi, Assistant Professor, PG & Research Department of Physics, Queen Mary's College, Chennai, Tamil Nadu, India was the Resource Person. Around 105 students and the faculties from various institutions attended the guest lecture.





Guest Lecture on 'Guest Lecture on Natural Calamities and its Impacts'

Dr. L. Devaraj Stephen, Assistant Professor (Sel.G) participated in a webinar on 'Effective Practices for Conducting Academic and Administrative Audits in Educational Institutions' on 26th May 2023 organized by ISDE Academy India Private Limited, Chennai.

The Department organized the 3rd National Conference on 'Recent Developments of Chemistry in Engineering Applications (NCEA 2023)' on 17th June 2023. Dr.M.G.Sethuraman, Professor, Department of Chemistry, The Gandhigram Rural Institute-DU, Dindigul was the Chief Guest and delivered a lecture on 'Biogenic carbon dots as promising nanomaterials for diverse applications' during the first session. Dr.M. Jeganmohan, Professor, Department of Chemistry, IIT Madras, Chennai delivered a lecture on the 'Synthesis of aristolactam and benzophenanthridine alkaloids via metal catalyzed cyclization reaction' during the second session. Dr. Venkatramaiah Nutalapati, Research Associate Professor, SRMIST distributed prizes and certificates for best presentations. More than 40 abstracts were received and 200 students and the faculties from various colleges discussed their research findings in the Conference.



3rd National Conference on 'Recent Developments of Chemistry in Engineering Applications (NCEA 2023)

The Department of Chemistry and Physics jointly organized an Essay Writing competition (Resonance'23) on 24th June 2023 for the First Year B.E/B.Tech students under the auspices of the Physical Sciences Club.

Dr. N. Jayaprakash, Assistant Professor (Sr.G) visited National Institute of Ocean Technology (NIOT), Pallikaranai, Chennai on 30th June 2023 (Industrial Visit).



Department of Mathematics

Dr. V. Vijayalakshmi was the editor of the book Modern Reforms in the Educational world a2zeeedu learning hub dated 8th April 2023.

Dr. V. Vijayalakshmi delivered a Lecture on 'An Overview of Operations Research and its Applications' for first year MBA students at Saveetha Engineering College on 29th April 2023.

The Mathematics Association 'EULER.COM' organized 'MATHFEST 2023' on 26th May 2023 for the first year B.E., B.Tech. Students. The events conducted were Olympiad, Puzzles, Paper Presentation, Poster Presentation and Quiz. The MATHFEST started with Olympiad followed by Puzzle in which around 180 students participated. Many of the students presented their paper which focused on the application of mathematics in Engineering and Technology. Seven teams presented their poster based on the application of mathematics in various fields. The applications include calculus in forensic science, Fibonacci sequence in nature, Poisson distribution, usage of Mathematics in day to day life and the information about the great Mathematician Ramanujar was explained in detail. The Quiz programe was conducted during the afternoon session in which the six teams participated. Quiz was the centre of attraction not only for the participants but also for the audience. The students enjoyed and answered the questions effectively. After the quiz programme, the valedictory function was held.



'MATHFEST 2023

The Mathematics Association 'EULER.COM' in association with IIC organized a National Seminar on 'Recent Trends and Advancements in Engineering Mathematics' on 10th June 2023. The Resource person for the first session was Dr.K.Dhanalakshmi, Dean of Academic Affairs, Head and Associate Professor, PG and Research Department of Mathematics, Theivanai Ammal College for Women (Autonomous), Villupuram. The lecture titled 'Analytic Functions and Mappings' started with the introduction of some basic definitions of Analytic function, mappings and formulas. The Resource person for the second session was Dr.J. Gerard Rozario, Assistant Professor, Department of Mathematics, St.Joseph's University, Bangalore. The lecture was titled 'Distance in graphs' started with definitions of Vertex, edges, Euler graph and Konigsberg bridge problem. The students

clarified their doubts with the speaker and the students overwhelmed with the explanation given by the speaker.

Mr.D.Captain Prabakaran/AP(O.G) attended a two day NSS Camp during World Environmental day for Cleanup, Paint and Plantation Drive on 12th and 13th June 2023, Maraimalai Nagar.

Ms.A.Karpagam/AP(O.G), Dr.V.Vijayalakshmi/AP(Sl.G), Mr.D.Captain Prabakaran/AP(O.G) and Ms.S.Ramya/AP(O.G) published a paper titled, 'Randomized Block Designs with Ranking Functions and Membership Function of Hexagonal Fuzzy Numbers', in Acta Biomedica, Volume 94, No.1, June 2023.

Dr. V. Vijayalakshmi/AP(Sl.G), Dr. S. Chitra, HOD/Asso. Prof, Ms. A. Karpagam/AP (O.G) and Ms. S. Ramya/AP(O.G) published a paper titled, 'Harmonic Analysis using

Fuzzy Numbers', in Musik in Bayern, Volume 88, No.9, June 2023.

Dr.V.Vijayalakshmi/AP(Sl.G), Mr.N.Sundarakannan/P(O.G), Mr.D.Captain Prabakaran/AP (O.G) Mr.L.Mohan/AP (O.G) and Ms.Aysha Chithukka/AP (O.G) went on an Industrial visit to the National Institute of Ocean Technology, Pallikaranai, Chennai on 30th June 2023.

Placement & Career Guidance

Eight companies, namely, Kaar Technologies, RootQuotient, embedUR, Kissflow, DevRev & Avasoft (BDE) conducted their campus drive for the 2023-24 batch. Totally 12 students were got selected.

Important Events











