



Our Beloved Correspondent appreciated the students for their effort to obtain laurels to the institution. Director Academics- SRM Group, Director - SRMVEC, Principal, PED were also present during the occasion

Department of Civil Engineering

Department of Civil Engineering, in association with Institution of Engineers, Indian Society for Technical Education, Institution's Innovation Council and Industry-Institute Partnership Cell organized a Guest Lecture on 'Structural & Geotechnical Aspects in Designing Seismic Resistant Structures' on 12th October 2022 in Old Seminar Hall, Admin Block. Around 195 participants including faculty members and students participated in this session. The session speaker was Er.A.Karthikeyan, Structural and Geotechnical Consultant, Founder and Proprietor of Karthikeyan Associates, Chennai.



Guest Lecture on 'Structural & Geotechnical Aspects in Designing Seismic Resistant Structures'

Department of Civil Engineering conducted Value Added Course titled 'Computer Aided Analysis and Design of Multi



Value Added Course on 'Computer Aided Analysis and Design of Multi Storeyed Building'

Storeyed Building' on 15th and 29th October 2022 with a total strength of 28 students. The course was handled by Mr.G.R.Iyappan, Assistant Professor, Department of Civil Engineering.

Ms.K.Tharini, Assistant Professor, Department of Civil Engineering, SRM Valliammai Engineering College presented an expert talk on 'Agriculture in India' for AICTE Student Induction Programme in SRM Valliammai Engineering College on 7th and 9th of November 2022.

S. Aaron and, B. Meganathan of 2nd year Civil Engineering presented a paper 'Expanded Polystyrene in Construction' at 37th Indian Engineering Conference conducted by Institution of Engineers (India), Tamil Nadu State Centre on 16th Dec. 2022.

K. Kanishka and, K.K. Virginia of 2nd year Civil Engineering presented a paper 'Role on Modern Materials in the Construction Field' at the 37th Indian Engineering Conference conducted by

Institution of Engineers (India), Tamil Nadu State Centre on 16th December 2022.

Mr.N.Arunprakash, Assistant Professor, Department of Civil Engineering participated in Indian Engineering Conference conducted by The Institution of Engineers (India), Tamilnadu State Center at Chennai from 15th to 18th December 2022.



Expert Lecture on 'Role of Engineers for Creating a Sustainable and Self-reliant India'

Dr.D.Elango, Professor and Head, Department of Civil Engineering received best Leadership award in Indian Engineering Conference conducted by Institution of Engineers (India), Tamilnadu State Center and conducted a technical seminar as a Chairman on 18th December 2022.

Mr.A.Sattainathan Sharma, Assistant Professor, Department of Civil Engineering has been recognized as 'NPTEL Discipline Star' in December 2022.

Department of Agricultural Engineering

Department of Agricultural Engineering conducted Value Added Course titled 'Process Engineering of Agricultural and Horticultural Crops' on 15th and 29th October 2022 with a total strength of 27 students. Agricultural Engineering Department faculties Mrs.P.Dhivya, Assistant Professor, Mr.T.R.Banu Chandar, Assistant Professor, Mr.R.Dinesh, Assistant Professor, Dr.N.Vairam, Assistant Professor, Mr.R.Karthick, Assistant Professor and Mr.K.Karthick, Assistant Professor (O.G) conducted the Value Added Course.



Value Added Course on 'Process Engineering of Agricultural and Horticultural Crops'

Department of Agricultural Engineering in association with the Institution of Engineers, Indian Society for Technical Education, Institutions Innovation Council and Industry-Institute Partnership Cell organized a Guest Lecture on the 'Water balance model for stable water management' on 18th October 2022. Around 195 participants including faculty members and students participated in this session. The session speaker was Dr.K.Saravanan, Professor, School Civil Engineering, Vellore Institute of Technology-Chennai.



Guest Lecture on 'Water balance model for stable water management'

National Food Day and Millet Year was celebrated on October 24, 2022. The event was inaugurated by the Principal at the Agricultural Mechanization Laboratory. Various heads of the Departments were present and they tasted the various dishes prepared by our students.



National Food Day and Millet Year

Ms.P.Dhivya, Assistant Professor, Department of Agricultural Engineering received the faculty appreciation award for her exalted and eminent performance in academic activities during the academic year 2021-22 from The Institution of Engineers (India), Kancheepuram local center on 28th Oct. 2022.



Faculty Appreciation Award

Department of Agricultural Engineering in association with Institution of Engineers, Indian Society for Technical Education, Institution's Innovation Council and Industry-Institute Partnership Cell organized an Agriculture Traditional Farm



Guest Lecture on 'Evolution of Agriculture'

Exhibition in Farm Machinery Laboratory and Guest Lecture on 'Evolution of Agriculture' on 26th December 2022. Around 170 participants including faculty members and students participated in this session. The session speaker was Mr. Swamimalai Sundara Vimal Nathan, Renowned Farmer & Agriculture Orator. An Expo was organized to educate the participants on the traditional agriculture farm equipments, traditional seeds and rare species of plants.

Department of Computer Science and Engineering

Dr.A.Samydurai, Dr.M.Mayuranathan, Dr.S.K.Saravanan and Dr.B.Muthusenthil published a paper on 'An efficient optimal security system for intrusion detection in cloud computing environment using hybrid deep learning technique' in Advances in Engineering Software-ELSEVIER <https://doi.org/10.1016/j.advengsoft.2022.103236>.

Dr.A.Samydurai published a paper on 'Context aware fog-assisted vital sign monitoring system: Design and implementation', DOI: 10.1109/ICECAA55415.2022.9936287.

Dr. V. Dhanakoti, Dr. B. Muthusenthil and Dr. L. Karthikeyan Faculty of CSE Dept. got the best oral presentation award for the paper entitled 'WG-Wavenet: On-Demand Speech Synthesis on CPU' at 39th Dubai International Conference on 'Literature, Humanities, Education and Social Sciences' (DLHES-22) held on Nov. 21-23, 2022 Dubai (UAE).



Best Oral Presentation Award

A Guest Lecture was conducted on 'High Performance Computing', held on 15th November 2022 through offline mode. The Resource person was Dr.Ezhilavan, Founder and CEO, VEI Technologies, Chennai. More than 100 students and faculty members participated in the event.



Guest Lecture on 'High Performance Computing'

A value added course was conducted on the topic 'MERN (Mango, Express, React, Node) stack development' in association



VAC on 'MERN (Mango, Express, React, Node) stack development'

with the Centre of Excellence for Data Analytics and Machine Learning (CoE-DAML) from 15th October 2022 and 05th November 2022. The main objective of this training programme was to understand the students acquainted with the conceptual as well as practical knowledge of the full stack development.

A workshop was conducted on the topic 'Brain Computer Interface' on 10th November 2022. Mr.Vigesh Kumaran, Project Engineer, Pantech Pvt. Ltd, handled the session and demonstrated real time project. 30 students participated in the event.



Workshop on 'Brain Computer Interface'

Department of CSE & EEE students participated in a 36 hour long hackathon conducted by SRM IST named HACKSUMMIT 3.0 as a part of AARUSH on 22nd October 2022 and 23rd October 2022 and won a cash prize of Rs. 25,000.



A 36 hour long hackathon

The Department of CSE signed an MoU with VEI Tech Pvt. Ltd, and funded One Lakh Rupee under Faculty Consultancy Funding Project.



MoU with VEI Tech Pvt. Ltd,

Ms.R.Anitha-AP and Ms.S.Shanthi-AP participated in the keynote session in the International conference on Computational Science and Technology on 9th and 10th November 2022 at Sri Sai Ram Engineering College.

Dr.B.Vanathi-Prof., Dr.C.Pabitha-AP, Ms.G.Sangeetha-AP and Ms.S.Suma-AP participated in the International Conference on Recent Advancements in Artificial Intelligence and Soft Computing ICAISC - 2022 on 02nd and 03rd December 2022 organised by Methodist college of Engineering and Technology, Hyderabad, India.

Dr.C.Pabitha-AP, Ms.G.Sangeetha-AP and Ms.A.Vidhya-AP participated in the Faculty Development Training Programme on

National Level Technical Symposium CYBORGS'22

The 12th National Level Technical Symposium CYBORGS'22 was conducted on 29th October 2022. The symposium was inaugurated by Mr. Vijay Karunakaran, delivered a lecture on recent technologies, Augmented Reality / Virtual reality. There were around 201 internal participants and 75 external participants in the event.



'A step-by-step guide to write a good research paper' organised by Faculty of Commerce-Parul University-Gujarat from 20th to 29th December 2022.

Dr.C.Pabitha-AP participated in the NPTEL Workshop 'Cloud Architecture-Design Patterns & PC on Cloud' on 17th December 2022.

Dr.C.Pabitha-AP participated in the Faculty Development Programme on 'Understanding Students Psychology' organised by SRMIST, Vadapalani Campus on 2nd December 2022.

Dr.B.Vanathi-Prof. participated in the Professional development Programme 'NAAC Accreditation' conducted by NTTTR from 21st to 23rd November.

Dr.B.Vanathi-Prof. participated in the webinar 'Successful implementation of NIRF at your Institution' conducted by ISDE Academy India Pvt Ltd, Ambattur on 28th December 2022.

Dr.B.Vanathi-Prof. participated in the Professional Development Programme on 'Emotional Intelligence' conducted by NITTTR from 28th November 2022 to 2nd December 2022.

Dr.L.Karthikeyan-AP successfully completed NPTEL course 'Python for Data science'.

Department of Cyber Security

Cyber Security awareness programme was organised for the students of St. Joseph Matriculation School, Maraimalai Nagar on 27th October 2022. Nearly 600 students participated in the event. Dr. M. Senthil Kumar, the Head of Department, led the student team of five members Shree.N, Sivaraman.S, Nijin.P, Aafin Nisha.A and Dhakshayani.A who raised awareness about recent cyber threats and how to stay safe from them.



Cyber Security awareness programme for School Students

Cyber Security awareness programme was organised for the students of Zion Mat. Hr. Sec. School, Selaiyur on 25th November 2022. In this programme, more than 250 students of Computer Science group participated. Dr. M. Senthil Kumar, the Head of Department, led the student team of five members Shree.N, Vijayaraghavan.N, Rahul.V, Rakshith.D.H and Blesslinjaffy.R, who raised awareness about recent cyber threats and how to stay safe from them.



Cyber Security awareness programme for School Students

White Hatians Students Club organized Cyber Security Expo on 28th October, 2022, at the Old Seminar Hall, Admin Block. The Expo consisted of 7 teams explaining about the various social issues, scams, spams etc., occurring in our day-to-day life. More than 500 students of various department of SRM VEC visited the Expo and learnt about the Cyber Threats that are happening in the world and how we should counter and prevent those real time situations.



White Hatians Students Club organized Cyber Security Expo

NPTEL Local Chapter

Nearly 34 students and 54 Faculty members successfully completed the NPTEL online examination during the period July to December 2022 from SRM Valliammai Engineering College NPTEL Local Chapter.

Our college has been recognized as NPTEL Active Local Chapter based on the performance of participation of online certification for July-December 2022 session.

Dr. M. Anbuezhayan Professor & Head / Dept. of Physics received the Active SPOC certificate from NPTEL based on the performance and participation of candidates for July to December 2022 NPTEL online courses.

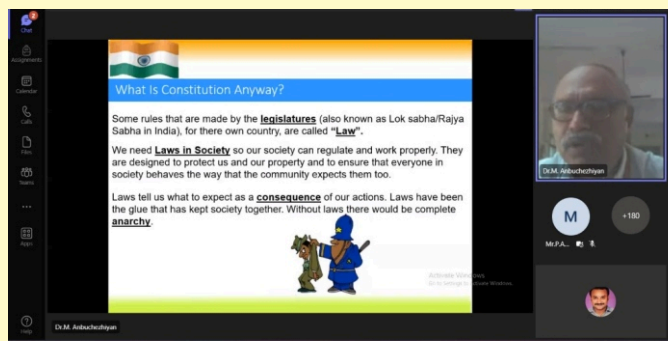
Dr. N. Jayaprakash Asst. Prof. / Chemistry received the mentor certificate for NPTEL online certification course 'Structural Analysis of Nanomaterials' for the period July-December 2022.

Mr. Sattainathan Sharma Asst. Prof. / Civil received the mentor certificate for NPTEL online certification course 'Strength of Materials' for the period July-December 2022

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
Mrs. M. Arthi, Asst. Prof.(Sr.G.), Dept. of English
 Layout & Design : **Mr. T. Elavarasu**, Placement Executive

NCC Naval & Army Unit



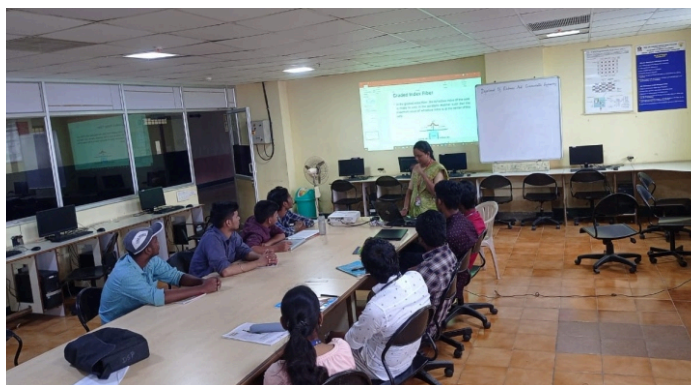
A webinar on 'Constitution of India' was conducted for the first year students of our institution to create the awareness about our constitution during the celebration of "Samvidhan Diwas (Constitution Day)" held on 26.11.2022 from 11.00 am to 12.00 noon.

CPL Albert Joe T J, II Yr ECE, NCC Army wing attended the Basic Leadership camp (BLC) at Nehru arts and Science College, Coimbatore from 19th November 2022 to 26th November 2022 (8 Days).

CPL Albert Joe T J, II Yr ECE, NCC Army wing was selected for the Advanced Leadership camp (ALC) at Hindustan College of Engineering and Technology, Coimbatore from 3rd January 2023 to 12th January 2023 (8 Days).

Department of Electronics & Communication Engineering

The Department of Electronics and Communication Engineering conducted a Value Added Course on 'Optical System Design using Optisystem Software' on 08th October 2022 and 29th October 2022 for the benefit of ECE students with a total strength of 10 students. Mr.S.Marirajan AP (Sr.G)/ ECE, Mr.S.Sevagan A.P (OG) /ECE and Ms. C. Kavitha A.P (OG) /ECE handled the sessions about Optical System Design using Optisystem Software. The primary and overall objective of this course is to give a detailed idea about the usage of Optical system simulation tools. Students learnt the Optisystem Software simulation tool used for Optical Communication and they were trained to design their own optical systems depending on the applications.



Value Added Course on 'Optical System Design using Optisystem Software'

The IV year ECE students, totally 128 students, accompanied by 6 staff members Dr. V.Suresh kumar, Assistant Professor (Sel.G) and Dr. C. Amali/ Assistant Professor (Sel.G) with section 3 students, Ms. S. Abirami / Assistant Professor (O.G) and Mr.J.Charles Vinoth Assistant Professor (O.G) with section 1 students and Mr. A. Pandian/ Assistant Professor (Sr.G) and Mrs. K. Arthi/ Assistant Professor (O.G) with section 2 students went

to "National Atmospheric Research Laboratory", located in Gadanki, Pakala, Andhra Pradesh on 21st October 2022, 28th October 2022 and 4th November 2022 respectively. We were taken to the MST radar unit. The MST radar is an excellent system used for atmospheric probing in the regions of Mesosphere, Stratosphere and Troposphere (MST) covering up to a height of 100 Km. The phased antenna array consists of two orthogonal sets, one for each polarization of 1024 three element Yagi-Uda antennas arranged in a 32 x 32 matrix over an area of 130 m x 130 m. Then we visited the data center which is divided into three units, namely; primary, secondary and tertiary storage units.



Industrial Visit to 'National Atmospheric Research Laboratory'

National Level Technical Symposium TARAS2K22



The Department of ECE conducted the 18th National level Technical Symposium on 8th October 2022 in association with the ISTE & IETE Students Forum. Mr.Shameer Hussain, Final Year ECE Student, Secretary - TARAS2K22 delivered the welcome address. The highlights of the Symposium were given by Mr. R. Rajesh, Final Year ECE Student, President TARAS 2K22. The Presidential address was delivered by Dr. M. Murugan, Principal. He advised students to take part in the events conducted and interact with the students, experts and faculty members. He also motivated the students to develop team building and good interpersonal skills. Introduction of the Chief Guest was given by Ms.M.S.Monishree, Final Year ECE Student and Treasurer TARAS 2K22. Dr. Komala James, Head of ECE department, Convenor-TARAS-2K22 welcomed and honoured the chief guest. The Symposium was inaugurated by the Chief Guest Mr.Naveenkanna Radhakrishnan,, Lead Consultant, Virtusa Consulting Services Pvt Ltd., the alumnus of SRM Valliammai Engineering College. 37 papers were scrutinized by the committee members and selected papers were presented by the students. 480 students participated in the following events and cash prizes were given to the winners. Paper Bestoval, Circuitrix, RoboWars, Escape Room, Treasure Seekers, Screen Battle, PixaLaze, ADZAP.

Students of Electronics and communication Engineering had learned the application of Antenna and Microwave Engineering.

The Department of Electronics and Communication Engineering conducted a Mini Project Expo in association with IIPC, IIC, ISTE, and IETE Students Forum & SRM VEC CSI Student Branch on 17th November 2022 to explore the talent of the students in the field of emerging technology. The Mini Project Expo began with the welcome address by Dr.Subhashini N, Assistant Professor (Sel.G). Dr. Visalakshi S, Professor and Head, Department of Electronics and Instrumentation Engineering presided over the Expo as a chief guest to examine the projects presented by the students. The Chief Guest was felicitated with a memento by the Vice Principal Dr. Krishnan H. A total of 13 batches participated in the Expo, with different project ideas and demonstrated the working of their hardware projects. Dr. Komala James, Professor and Head, Department of Electronics and



Mini Project Expo

Communication Engineering assessed the projects along with the chief guest. The Mini Project Expo was conducted successfully by the coordinators Dr. N. Subhashini, Assistant Professor (Sel.G) and Mr. V Prasanan, Assistant Professor (O.G). Based on the evaluation, the top three projects were declared as prize winners by the Chief Guest and the Head of the ECE department.

The First batch of II year ECE 1 students, totally 30 in number accompanied by a faculty member Dr.G.Udhayakumar went to the Industrial Visit of RLT Instrumentation Pvt., Ltd., Attur, Chengalpattu on 19th November 2022. And the Second batch of II year ECE 1 students, totally 26 in number, accompanied by a faculty member Ms.K.Sobana, AP/O.G/ECE went to the same company from 1.30 P.M to 5.00 P.M. The resource person Mr.T.Nirmal Mathew, Project Coordinator, RLT Instrumentation Pvt., Ltd., explained the operation, technical specifications and measurements like speed, velocity, difference of the transit time of ultrasonic pulses, coverage of volume and area of the fluid taken from the Electromagnetic flow meter, Ultrasonic Inline flow meter, Vortex flow meter and Woltman type water meter respectively by the analog and digital displays.

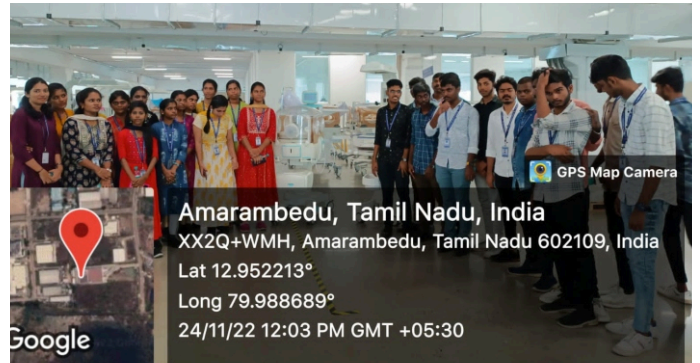
The 2nd year ECE 2 students, totally 30 students, accompanied by 1 staff member Mr. A. Pandian/ Assistant Professor (Sr.G)



Industrial Visit to RLT Instrumentation Pvt., Ltd.

went to Phoenix Medical System, located in Amarambedu Chennai on 24th November 2022. The students were reported to the Phoenix medical system.

An Industrial Visit was arranged for our Second Year ECE



Industrial Visit to Phoenix Medical System

section 3 students on 'Control Systems Engineering' to RaRa Groups, Thirumudivakkam on 24th November 2022 accompanied by Mr. S. Senthilmurugan / Assistant Professor (Sel .G)The resource person Mr.S.Ashok Kumar, General Manager, RaRa Groups, explained the plastics manufacturing, all aspects of the plastics production processes required by the leading companies including product design and development, mold making, precision injection molding, advanced robotic painting, screen & pad printing, laser etching contract manufacturing.



Industrial Visit to Control Systems Engineering

The II year ECE 2 students, totally 29 students, accompanied by a staff member Mr. A. Pandian A.P. (Sr.G) went to 'The TNEB 400KV Sub-Station', Sriperumbudur, located in Ponnalur, Sriperumbudur, Kanchipuram, Tamil Nadu on 25th November 2022. The students reported to the TNEB 400KV Substation, Sriperumbudur. There was a presentation about how the power had been transported from the NLC Power station, how it was being stepped down and diverted to other sub-stations. Then the students were taken on field to show how the transformers and other electrical & electronic devices work. It was an informative, interesting and a successful visit.



Industrial Visit to The TNEB 400KV Sub-Station

Internal Complaints Committee/ Vishaka Committee of SRM Valliammai Engineering College organized an event to celebrate the 'International Day for Elimination of Violence against Women' on 25th November 2022 for all the female staff members of the institution to create awareness regarding the laws about the violence against women. The event was inaugurated with the welcome address by Dr. Komala James, HOD of ECE, SRM VEC and Presiding Officer of Internal Complaints Committee. Dr.A.R.Revathi, Head of the Department, Department of IT and member of Internal Complaints Committee introduced the chief guest. Ms. S. Karpagapriya, Advocate in High Court of Madras presided over the event as a chief guest to address the gathering. She shared her experience in the field of law related to the sexual harassment of the women in the work place. She quoted many case studies based on the violence against girl child and women. To safeguard the younger generation from society, she discussed many ideas which can be shared with the students in the college. Finally, Dr. A. Leema rose, Head of the Department of Agricultural Engineering and member of Internal Complaints Committee delivered the vote of thanks.



'International Day for Elimination of Violence against Women'

The Department of ECE conducted a one-day Staff Skill Development Training Programme (SDTP) for our college Non-teaching staff members on 29th November 2022. The resource person, Mr. B. Parameswaran, Assistant Professor (O.G), Department of EIE, SRM Valliammai Engineering College, presented lecture and hands on training on 'Calibration of Electronic Equipments'. 19 staff members from various departments attended the lecture and Demo session. The session started with a Welcome address and a brief introduction to resource person by the coordinator Dr. V. Suresh Kumar, Assistant Professor (Sel.Gr.) Department of ECE. The speaker first gave a brief introduction about measurement systems and types of measurement, errors that occur in the measurement process. He further discussed the definition, need and requirement of Calibration.



Staff Skill Development Training Programme (SDTP)

The Department of Electronics and Communication Engineering in association with IIC, CSI, ISTE & IETE Students Forum conducted a 5 day Faculty Development Programme on the 'Faculty Development Program on Analog Electronics for Embedded System and Wireless Sensor Networks' from 28th November 2022 to 2nd December 2022. The subjects focused in the faculty development programme are Analog Electronics,

Embedded Real Time System and Advanced Wireless Sensor Networks in order to facilitate the need of extra information for the second year, third year and final year subject handling faculty members respectively.



FDP on 'Faculty Development Program on Analog Electronics for Embedded System and Wireless Sensor Networks'

The programme was inaugurated by Dr. Komala James, Professor & Head and delivered a welcome address to the participants and shared her views on the importance of faculty development programmes. The coordinators of the faculty development programme Dr. S. R. Preethi, Assistant Professor (O.G) and Mr. C. Saravanakumar, Assistant Professor (Sel.G) welcomed the participants and highlighted the objective of the programme and the instructions to the participants regarding the attendance and feedback. The faculty members of ECE participated in the FDP and gained knowledge.

Dr. M. Murugan / Principal received ' Best Academician Award, in 37th Indian Engineering Congress at Le Royal Meridien Chennai on 15th December 2022.

Dr. N. Subhashini/ Assistant Professor (Sel.G), Dr. C. Amali/ Assistant Professor (Sel.G) published a patent on the title ' Reward Based Eco Friendly Framework For Sustainable Waste Management System' on 21st October 2022 in Indian Patent Journal.

Dr. G. Udhayakumar, Professor published a paper titled 'A novel deep neural network for detection of Atrial Fibrillation using ECG signals' in the journal Knowledge-Based Systems (SCI) during the month of October 2022.

Mr. C. Saravanakumar / Assistant Professor (Sel.G) published a patent on the title 'Visual Tracking of Indoor Flying Advanced Auto Monitor Robots' on 04th November 2022 in Indian Patent Journal.

Dr. S. Ramesh, Professor published a paper titled 'Wearable Panda Shaped Textile Antenna with Annular Ring- Defected Ground Structure for Wireless Body Area Networks' in the Applied Computational Electromagnetics Society Journal during the month of November 2022.

Science and Engineering Research Board recommended a fund of Rs.19,53,344 for the project titled on 'Convergence of Energy Harvesting and Cooperative Communication Networks towards the emergence of the Smart Cities' to Dr. N. Subhashini, Assistant Professor (Sel.G) in the month of December.

Dr. C. Amali, Assistant Professor (Sel.G) published a paper titled 'Versatile Surveillance Bot: for Remote Monitoring in Hazardous Places' in the 2022 International Conference on Augmented Intelligence and Sustainable Systems (ICAISS) on 24th - 26th November 2022.

Mr. C. Saravanakumar, Assistant Professor (Sel.G) attended a five day FDP titled 'Emerging Research Trends in Computing Technologies' organized by Dr. MGR Educational and Research Institute, Chennai from 28th November 2nd December 2022.

Ms. K. Arthi, Assistant Professor (O.G) published a paper titled 'A Deep Investigation of Architectural Elements and Computing Technologies for Internet of Medical Things' in the International Conference on Electronics, Communication and

Aerospace Technology (ICECA 2022) in the month of December 2022.

Dr. N. Subhashini, Assistant Professor (Sel.G) attended a five day FDP titled 'The Role of Academia and IT in Upskilling the Digital Workforce' organized by Central University of Jharkhand from 5th - 9th December 2022.

Dr. N. Subhashini, Assistant Professor (Sel.G) attended a five day FDP titled '6G Wireless Communication' organized by Indian Institute of Technology, Dharwad from 15th - 16th December 2022.

Dr. C. Amali, Assistant Professor (Sel.G) delivered a guest lecture titled 'Communication Engineering' organized by Sri Sairam Institute of Technology, Chennai on 23rd December 2022.

Dr. S. Ramesh, Professor attended a five day FDP titled on 'Recent Trends in 5G Communication Networks' organized by IEEE Madras Section & Sri Sairam Engineering College, Chennai from 26th - 30th December 2022.

Ms.C. Kavitha, Assistant Professor (O.G) attended a IEEE MAS Sponsored FDP on 'Recent Trends in 5G Communication Networks' organized by IEEE Madras Section & Sri Sairam Engineering College, Chennai from 26th - 30th December 2022.

Challa Dhanalakshmi, IV year ECE student won the Gold medal in Andhra Pradesh State Ball Badminton Women Championship organized by State Association of Andhra Pradesh Ball Badminton from 23rd September to 3rd October 2022.

Chevuru Madhumitha, Mummati Swetha, Kavali Thanuja III year ECE students, Vuyyala Suchithra II year ECE student won Silver medal in Andhra Pradesh State Ball Badminton Women Championship organized by State Association of Andhra Pradesh Ball Badminton from 23rd September to 3rd October 2022.

Ms. K. Jyothi, III year ECE student represented Telangana State Basketball Women's team and won the Gold Medal in National Games 2022 held at Gujarat on 5th October 2022.

R. Rajesh, IV year ECE student completed the IBM Cloud Essentials V3 Certification Course on 8th November 2022.

Albert Joe T J, II year ECE student completed Basic Leadership Camp- NCC during the period 19th November - 26th November 2022.

K. Jyothi, V. Nelavu III year ECE students represented Anna University Zone IV Basketball Women's Tournament 2022 and won the Gold Medal on 23rd November 2022.

Kotana Hema Pradeep, Gavara Girish, Gavara Divakar, Uggina Vamsi, Galla Venkata Satya Lokesh Dharmendra II Year ECE students represented Anna University Zone IV Basketball Women's Tournament 2022 and won Silver Medal on 23rd November 2022.

Chevuru Madhumitha, M.Swetha III year ECE students represented National Ball Badminton Championship 2022-23 secured the Third Place and won the Bronze Medal held from 24th - 28th December 2022 at Govt. BHSS & VHSS ground Kollam, Kerala.

Karri Lavanya, Chevuru Madhumitha, M.Swetha, K.Thanuja, P.Bhavani III year ECE students and V, Suchithra & M.Likitha II year ECE students represented Anna University Zone- IV Ball Badminton Tournament 2022-23 secured the First place & won the Gold Medal held at SRM Valliammai Engineering College on 31st Decemeber 2022.

V. Nelavu and K. Jyothi III year ECE students represented Anna University Zone- IV BasketBall Women Tournament 2022-23 secured the First place held at SRM Valliammai Engineering College on 22nd Decemeber 2022.

V. Nelavu, K. Jyothi III year ECE students participated in Anna University Inter Zonal BasketBall Women Tournament 2022-23 held at SRM Valliammai Engineering College on 26th - 27th Decemeber 2022.

Student Affairs Cell



The Student Affairs Cell of SRM Valliammai Engineering College organized seminar on International Career guidance on 13th October 2022 in Old Seminar Hall, SRM VEC. Dr. M. Senthil Kumar, Asso.Prof/CYS delivered the welcome address, Dr. N.Usha Bhanu, Prof/ ECE introduced the resource person and Dr.D.Elango, HOD/ Civil department presided the seminar. The resource person for the seminar, Ms. Shraddha Singaurey, Senior Recruitment Adviser Wayne State University, Detroit, Michigan USA who has wide experience in global education and admission provided guidance to students regarding application process in the USA for Master's and Ph.D. programmes. She discussed SOP and Resume preparation and provided inputs about opportunities in various branches, such as Computer Science (AI), Mechanical, Robotics, Electrical, Civil, Industrial, Data Science. She presented details regarding Scholarships offered, Research opportunities in Wayne State University.

The seminar was organized for the benefit of the students from Civil, ECE, EEE, EIE, MDE and Mechanical departments to provide career guidance and insight on higher education in US universities. The Coordinators Dr.N. Usha Bhanu, Prof/ECE, and Dr.M.Senthil Kumar Associate Prof/CYS with the support of other staff from different departments organized the programme effectively. The students clarified their doubts regarding entry criteria, fee structure and Scholarship details with the resource persons. Totally, 131 students from different departments participated in the seminar.

Department of Electrical & Electronics Engineering

The students of final year along with two faculties visited Wind World India Ltd. Coimbatore, GEDEE Car museum, Coimbatore, Pykara Hydroelectric Power Plant, Mudumalai, Tea factory and Tea museum, Ooty on 14th and 15th October 2022.



Industrial Visit

The department organized a seminar on the topic 'Artificial Intelligence in Power Station' on 20th October 2022. The Resource person was Mr. Deep Sharma, Directive General Manager, South zone (Zonal Head), Godrej & Boyce Pvt Ltd, Ambattur, Chennai.

The department conducted the Value-Added Course to



Seminar on 'Artificial Intelligence in Power Station'

provide hands-on training on 'Building Internet of Things Projects with ESP32 and AWS Cloud' for two hours in evening from 25th to 28th October 2022 and full day on 29th October 2022 for the benefit of EEE students with a total strength of thirty eight. The resource persons were Mr. U. Amalraj, IoT Head and Mr. S. Subramaniyan, Senior IoT developer from Niraltex Solutions Pvt Ltd, Adambakkam, Chennai.



Value-Added Course on 'Building Internet of Things Projects with ESP32 and AWS Cloud'

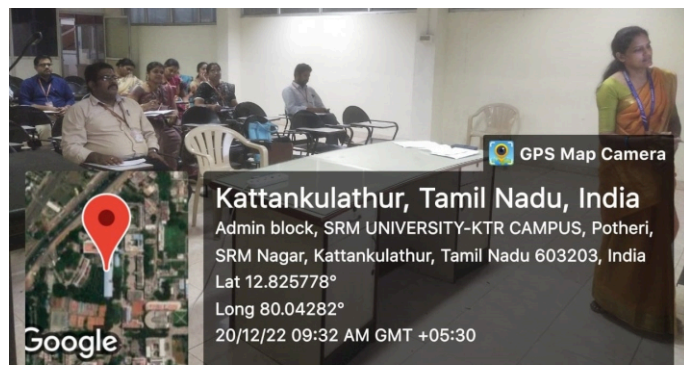
The department conducted a Staff Development Programme on the topic 'Electrical Safety in the Workplace' on 08th December 2022. A. Elangovan, Quality Engineer, Kasa Anlagen India (P) LTD., Thirumudivakkam, Chennai was the resource person.



SDP on 'Electrical Safety in the Workplace'

The department organized a Guest Lecture on the topic 'Recent Trends in Power Production and Utilization' on 14th December 2022, National Energy Conservation Day. The Resource person was Dr. S. Sankaranarayanan, Former General Manager, Tamil Nadu Energy Development Agency (TEDA) Superintending Engineer, TANGEDCO, Chennai.

The Department conducted a Six day Faculty Development Programme on the topic 'Soft Computing Techniques for Electromagnetic Field and Power Converters' from 19th to 24th December 2022. The resource persons were Dr. R. Rajarajeswari, AP, SRM Institute of Science and Technology, Dr. K. R. Shanmuga Vadivu, AP, B. S. Abdur Rahman Crescent Institute of Science and Technology, Dr. T. Porselvi, Professor, Sri Sairam Engineering College, Dr. P. Abirami, AP, B. S. Abdur Rahman, Crescent Institute of Science and Technology and Dr. A. Rathinam, Professor, SRM Institute of Science and Technology.



FDP on 'Soft Computing Techniques for Electromagnetic Field and Power Converters'

The faculties from the department went on an industrial visit in Vendhar TV, No. 35, Ground Floor, North Phase, Kalaimagal Nagar, 3rd Main Road, Ekkattuthangal, Chennai on 24th December 2022.



Faculty Industrial Visit to Vendhar TV

Dr. R. Arivalahan, Assoc. Prof and Mr. P. Tamilarasan, AP(O.G) published a paper titled 'Liquid level control in two tanks spherical interacting system with fractional order proportional integral derivative controller using hybrid technique: A hybrid technique', Advances in Engineering Software, SCI journal.

Dr. R. Arivalahan, Professor and Mr. S. Balaji, AP(Sr.G) published a paper titled 'An Optimization framework for capacity allocation and energy management of fast electric vehicle charging stations-wind photovoltaic energy using artificial transgener longicorn algorithm', International journal of Energy Research, SCI journal.

Ms. P. Bency, AP(Sr.G) published a paper titled 'An Experimental Assessment into the Pressure and Thermal Efficacy of Chemically Synthesized Nanofluids in Computer Cooling Applications, Journal of Nanomaterials, SCI journal.

Ms. P. Bency, AP(Sr.G) published a paper titled 'The Experimental Investigation of Heat Transfer Properties and Pressure Drop of a Corrugated Plate Heat Exchanger Using a Chemically Synthesized Zinc Oxide/Alkaline Water Nanofluid, Journal of Nanofluids, Web of Science.

Ramajeyam S and Elango. K, Prof & Head published a paper titled 'Power Quality Improvement of a PV Farm Incorporating

D-Statcom', Computer Integrated Manufacturing Systems, Vol. 28 No. 11, December 2022, SCOPUS journal.

M.Priyanka and Dr.R.Karthik, Professor published a paper titled 'Modelling of Distributed Dielectric Propulsion System Using Fault Tolerance Model Predictive Control', Computer Integrated Manufacturing Systems, Vol. 28 No. 11, December 2022, SCOPUS journal.

G.Sangeetha and Dr.R.Arivalahan, Professor published a paper titled 'Modeling the Dynamic Performance of Black Box models for Stability Assessment', Computer Integrated Manufacturing Systems, Vol. 28 No. 11, December 2022, SCOPUS journal.

V.Vasanthi and Dr.G.Madhusudan, Assoc.Prof published a paper titled 'Statcom based Stabilization of Microgrid with Photovoltaic and Wind Power Plant', Computer Integrated Manufacturing Systems, Vol. 28 No. 11, December 2022, SCOPUS journal.

M.Chitrakala and Dr.S.Malathi, Assoc.Prof published a paper titled 'Fault Analysis of Offshore Wind Farm Using VSC', Computer Integrated Manufacturing Systems, Vol. 28 No. 11, December 2022, SCOPUS journal.

Dr.K.Elango, Prof & Head, Dr.S.Malathi, Assoc.Prof, Mr.S.Balaji, AP(Sr.G), Ms.R.V.Preetha, AP(Sr.G) and Mr.P.Tamilarasan, AP(O.G) successfully completed a Professional Development Programme on 'Solar and Wind Energy Applications' conducted by NITTTR from 17th to 21st October 2022.

Mr.S.Venkatesh, AP(O.G) successfully completed a Professional Development Programme on 'Arduino Programming using Tinkercad' conducted by NITTTR from 17th to 21st October 2022.

Dr. R. Arivalahan, Professor and Ms.P.Bency, AP(Sr.G) successfully completed a Professional Development Programme on 'Wireless Communications' conducted by NITTTR from 17th to 21st October 2022.

Dr.K.Elango, Prof & Head and Dr. G.Madhusudhanan, Assoc.Prof successfully completed a Professional Development Programme on 'NBA Accreditation' conducted by NITTTR from 31st October to 4th November 2022.

Mr.S.Padmanabhaiyappan, AP(Sel.G) successfully completed a Professional Development Programme on 'Implementation of NEP-2020 for University and College Teachers' held from 18th to 26th November 2022.

Ms.S.Vanila, AP(Sel.G), Dr.T.Santhoshkumar, AP (Sr.G), Ms.P.Bency, AP(Sr.G), Ms.R.V.Preetha, AP(Sr.G), Mr.K.Raghulkumar, AP (O.G) and Mr.S.Venkatesh, AP(O.G) participated in the FDP on 'Understanding Student Psychology' organized by the department of Psychology, SRM Institute of Science and Technology in association with IQAC held on 26th December 2022.

Dr. K. Elango, Prof & Head successfully completed an eight week NPTEL Course on 'Smart Grid'(October 2022).

M.Lingeshwaran, student of II year participated in a 36 hour long Hackathon conducted by SRMIST titled Hack Summit 3.0 on 22nd and 23rd October 2022 and won a cash prize of Rs.25000/-.

Department of Medical Electronics

The Department of Medical Electronics conducted a value added course on 'Fundamentals of Computational Approaches used in industries for Commercial Medical Applications' for MDE students on 5th November 2022 and 26th November 2022 in association with IIC, ISTE, IETE student's forum and SRM VEC CSI student branch. The welcome address was given by



Value Added Course on 'Fundamentals of Computational Approaches used in industries for Commercial Medical Applications'

Dr.R.Dhanush, Assistant Professor (Sr. G). The speaker Mr. KNT Karunakaran, R&D Engineer, Kody Medical Electronics Private Limited Chennai, delivered a presentation on various industrial approaches to design, fabrication and simulation of PCB boards using Cadence. The primary focus of this course was to make the students learn the various stages involved in the design and development of medical software. About 28 students participated in this course. The students interacted and their doubts were clarified by the resource person. This was beneficial for the students to orient themselves towards the medical electronics industry and their process. The programme concluded with vote of thanks given by Dr. R. Dhanush, Assistant Professor (Sr. G). under the guidance of Dr. N. Usha Bhanu, Professor & Head of Medical Electronics.

The Department of Medical Electronics signed an MoU with Atheena Pandian Private Limited, Chennai on 18th November 2022. This MoU provides practical training on Biomedical Equipment's like Physiotherapy and Ophthalmology Equipments and also provides placement for the final year students.



MoU with Atheena Pandian Private Limited, Chennai

The Department of Medical Electronics in association with IIC, CSI, ISTE & IETE Students Forum conducted a 5 day Faculty Development Programme on the 'Digital Signal Processing, Biomechanics and Wearable Systems' from 19th December 2022 to 23rd December 2022 in order to facilitate the need of extra information for the second year, third year and final year subject handling faculty members respectively. The total number of participants who attended the programme is 10 faculty members. The programme was inaugurated by Dr. N. Usha Bhanu, Professor & Head who delivered the welcome address and shared her views on the importance of faculty development programmes. The coordinator of the faculty development programme, Mr. C. Satheeswaran, Assistant Professor highlighted the objective of the programme. In session I, Dr. N. Usha Bhanu, Professor and Head Medical Electronics, SRM VEC presented a lecture on 'Finite Word Length Effects'. In session II, Mr. Satheeswaran. C, Assistant Professor /Medical Electronics, SRMVEC explained the concepts of 'Discrete Fourier Transform'. In session III, Mr. Satheeswaran. C, Assistant. Professor /Medical Electronics, SRMVEC presented the concept of 'IIR and FIR



5 day FDP on 'Digital Signal Processing, Biomechanics and Wearable Systems'

Filters'. In session IV, Mrs. Keren Evangeline, Assistant Professor /Medical Electronics, SRMVEC presented a lecture on 'Application of wearable Devices'. The concept of 'Introduction to Mechanics and Bio fluid Mechanics' was discussed by Dr. R. Dhanush, Assistant Professor/ Medical Electronics, SRMVEC in the session V. The concept of 'Bio solid Mechanics' was presented by Dr. R. Dhanush, Assistant Professor/ Medical Electronics, SRMVEC in session VI. In session VII, Mr. K. Sankar. Assistant Professor/ Biomedical Engineering, Rajalakshmi Engineering College presented a lecture on 'Biomechanics of Joints, Modelling and Ergonomics'. Dr. B. Sinthia, Associate Professor/ Biomedical Engineering handled the topic 'Sensors and Signal Processing' in session VIII. In Session IX, Ms. Sammy Priya, Biomedical Trainer, Atheenapandian Pvt Ltd, Chennai presented on the concepts of 'Energy Harvesting for the Wearable devices and Wearable Health Systems, and Mrs. V. Venmathi, Assistant Professor/ Medical Electronics, SRMVEC presented a lecture on 'Introduction to Digital Signal Processors'. The faculty members of Medical Electronics, ECE and EIE participated in the FDP.

Mrs. V. P. Sandhya, Assistant Professor (Sr. G) published a paper titled 'A two-stage chopper with isolation for renewable energy applications' in the International Journal of Enhanced Research in Science, Technology & Engineering in November 2022.

Mrs. Keren Evangeline, Assistant Professor (O.G) and Mrs.V.Venmathi, Assistant Professor (O.G) attended a five day online FDP titled 'Inculcating Universal Human Values in Technical Education' from 14th November 2022 to 22nd November 2022 organized by All India Council for Technical Education, New Delhi.

Mrs. V. P. Sandhya, Assistant Professor (Sr. G) published a paper titled 'Predictive Methods for Heart Disease Using Bivariate Analysis' in the Computer Integrated Manufacturing Systems in December 2022.

Mrs. Keren Evangeline, Assistant Professor (O.G) and Mrs.V.Venmathi, Assistant Professor (O.G) attended a webinar titled 'Machine Learning in Wireless Communication: 5G and Beyond' on 9th December 2022 organized by IETE Chennai Centre.

Dr. N. Usha Bhanu, Professor and Head of the Medical Electronics & Mrs. Keren Evangeline, Assistant Professor (O.G) attended an MDP titled 'Capacity Building in Drafting Proposals for Funded Research on 12th December 2022 organized by the Department of Management Studies of SRM Valliammai Engineering College, Kattankulathur.

Dr. N. Usha Bhanu, Professor and Head, Dr. R. Dhanush, Assistant Professor (Sr.G), Mr. C. Satheeswaran Assistant Professor (O.G), Mrs. Keren Evangeline, Assistant Professor (O.G) and Mrs. V. Venmathi, Assistant Professor (O.G) Department of MDE delivered the lectures in the FDP titled 'Digital Signal Processing, Biomechanics and Wearable Systems' organized by Department of Medical Electronics, SRM

Valliammai Engineering College from 19th December 2022 to 23rd December 2022.

Mrs. Keren Evangeline, Assistant Professor (O.G) attended an FDP titled 'Understanding Student Psychology' on 26th December 2022 organized by the Department of Psychology, SRM Institute of Science and Technology, Vadapalani Campus, Chennai

Ms. V. Venmathi, Assistant Professor (O.G) attended a five day FDP titled 'Recent Trends in 5G Communication Networks' from 26th December 2022 to 30th December 2022 organized by the Department of Electronics and Communication Engineering, Sri Sairam Engineering College, Chennai.

Computer Society of India



The SRM Valliammai Engineering College Computer Society of India Student Branch organized the 'Ideograms and Codophilia' event. In this event, more than 80 students registered and more than 35 students participated. The event was conducted on 12th October 2022. More than 50 advertisement images were displayed to the participants and the marks were evaluated based on the grammar and the fluency speaking skills of the participants.

The winners of this event are: Harish Raj II CSE, Rakshith.D.H III CYS & Devisri.B II CSE

Department of Electronics & Instrumentation Engineering

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

An Alumni talk on 'In order to Encourage, Inspire and Nurture young students towards Innovation' was delivered by Mr. V. Jaya Suriya, Project Manager, Roanuz, Chennai on 2nd November 2022.



Alumni talk on 'In order to Encourage, Inspire and Nurture young students towards Innovation'

An FDP on 'Electrical Machines and Industrial Instrumentation' was organized by Mrs .K.S. Jaibhavani A.P (Sl. G) and Mr.N.Sowrirajan A.P (Sr. G) from 05th December 2022 to 09th December 2022.



FDP on 'Electrical Machines and Industrial Instrumentation'

An SDP on 'Introduction to Programming Environment' was delivered by Dr.R.Umaheswari A.P (O. G) on 8th December 2022 for the benefit of the staff members.



SDP on 'Introduction to Programming Environment'

The Third Year and Final year U.G students of the Dept of EIE visited "Indira Gandhi Centre for Atomic Research (IGCAR)" located at Kalpakkam on 28th October 2022.



Industrial Visit to Indira Gandhi Centre for Atomic Research (IGCAR)

Ms. V.Mangaiyarkarasi A.P (Sl. G), Ms. K.Rathana Priya A.P(O. G) and Ms. M.Ramjan Begum A.P (Sr. G) published a paper on 'Design a Virtual Telepresence Robot using Virtual Reality' in the Journal of Semiconductor Optoelectronics , Vol. No. 41, issue No. 11. Page no: 476-481 ,2022.

Ms. K.S.Jaibhavani , A.P (Sl. G) and Dr. S.Visalakshi, Professor and Head presented a paper on 'Vibration Energy Harvester using piezoelectric with truncated cone rectangular beam structure for low power applications' at the International conference on Emerging Electronics and Automation, NIT Silchar, 16th - 18th December 2022.

Kathir.A II year was the winner in the Tennis (Men) Tournament Anna University Zone IV at Sri Sairam Engineering College on 05th November 2022.

B.V. Asswanth III year was the winner in the Badminton Open State Mixed Doubles Tournament at Chennai on 13th November 2022.

National level Technical Symposium 'ORKESTRIM 2k22'



11th National level Technical Symposium ORKESTRIM 2k22 was conducted on 05th November 2022. A Souvenir 2k22 was released by Mr.G.P.Thirumurugan, B.E., Founder and Managing Director, RLT Instrumentation Pvt Ltd and RLT Group of Companies, Chengalpet.

Kathir.A II year was the Runner (Silver) in the Tennis (Men) Anna University Inter Zonal Tournament at Bannari Amman Institute of Technology on 15th November 2022.

Amhrutha Vahini.R II year was the winner in the Basketball -Anna University Zone IV at SRM Valliammai Engineering College on 22nd November 2022

Department of Mechanical Engineering



A Five day Faculty Development Programme on 'Concepts of Applied Thermodynamics'

A Five day Faculty Development Programme on 'Concepts of Applied Thermodynamics' was conducted from 26th December to 30th December 2022. The following were the resource persons from other colleges: Dr.T.Mothilal, Professor, KCG College of Technology, Chennai, Dr.L.Saravanakumar, Associate Professor, Sri Sairam Engineering College, Chennai, and Dr.N.Venkatesan, Guest Faculty, Department of Production Technology, MIT campus - Anna University Chennai. They delivered the lectures in the following topics: Theoretical and actual p-V diagrams of a four stroke Otto and Diesel cycle engine. Geometric, operating, and performance comparison of SI and CI engines. Combustion in SI Pre-ignition Detonation - octane number. Combustion in CI Engines -Delay period- Diesel Knock- Cetane number. Brayton Cycle - Classification of Gas turbine, Merits of gas turbine-Constant pressure combustion gas turbine open cycle gas turbine - Methods for improvement of thermal efficiency of open cycle turbine plant. Our internal faculty members Mr.S.Sivasankar, Assistant Professor (Sr.G), Mr.T.Muthukrishnan, Assistant

Professor (Sr.G), Mr.J.P.Ramesh, Assistant Professor (Sr.G) and Mr.P.Ramu, Assistant Professor (O.G), also delivered lectures on the following topics: Theoretical and actual p-V diagrams of a four stroke Otto and Diesel cycle engine. Geometric, operating, and performance comparison of SI and CI engines. Combustion in SI Pre-ignition Detonation - octane number. Combustion in CI Engines -Delay period- Diesel Knock- Cetane number. Fuel Injection system - Electronic fuel injection - Cooling systems - Lubrication systems - Supercharging - Dissociation

The Department of Electrical and Electronics Engineering and Mechanical Engineering conducted a Guest Lecture on 'Recent Trends in Power Production and Utilization' in Association with Renewable Energy Club, for creating Awareness about the National Energy Conservation 14th December 2022. The Resource person Dr.S.Sankaranarayanan, Former General Manager/TamilNadu Energy Development Agency (TEDA) Superintendent Engineer / TANGEDCO / Chennai / Retired delivered the lecture on concept of Recent Trends in Power Generation and Utilization, Importance and Scope of Renewable Energy Sources for future Sustainable Growth of the Nation, Significance of Electrical Energy Savings in our day to day Life, Present Scenario and major challenges of Renewable Energy Systems Implementation and their Policy making in India.



Guest Lecture on 'Recent Trends in Power Production and Utilization'

The Guest Lecture on 'National Pollution Prevention Day' program was conducted on 2nd December 2022. The topics covered by the resource person Mr.Arjun Mohan, Deputy Manager, Parksons Packaging Ltd were : Knowledge on Disaster contribution factors, Different Types of pollution in industrial level, Major sources of PM 2.5 in Delhi and National capital region, Death linked to outdoor and household air pollution, Menace of Plastic waste in India and world level and Sustainable Developmental Goals.



Guest Lecture on 'National Pollution Prevention Day'

An Industrial Visit was arranged for III Year Sec1 students to Lucas- TVS Pvt. Ltd., Maraimalainagar on 09th November 2022. The Plant Head Mr. A.K.Rajakumar welcomed the team, delivered an excellent speech on the various aspects of the Plant. He also highlighted the various things on which the future

engineers should concentrate on and what the Industries expect from the student community. The students were taken to various sections of the plant, starting from Stores, Distribution, Assembly lines, Quality assessment and finally ending at Warehouse and a detailed description of the same was given to them.



Industrial Visit to Lucas- TVS Pvt. Ltd., Maraimalainagar

A guest lecture on 'Automotive Safety: Vehicle Control Systems' on 09th November 2022 for final year students. The resource person Mr. Venkatesan Nataraj, Sr. Project Manager, BOSCH, Chennai, gave a detailed address on the importance of vehicle safety and vehicle control systems in the evolution of automotive engineering. He elaborated on the functions of directly controlled variables, indirectly controlled variables, sensors, and actuators in chassis control systems such as the anti-lock braking system, the electronic damping control system, the power-assisted steering system, and the traction control system. The students felt that the session was very informative and interactive.



Guest Lecture on 'Automotive Safety: Vehicle Control Systems'

An Industrial Visit to Hanon Automotive Systems Pvt Ltd, Maraimalai Nagar, Chennai was arranged for the Final year Section - 2 Mechanical Engineering students on 20th October 2022. The fabrication and assembly of radiator, compressor and automotive air conditioning system were explained by the employees. 4000 units of automotive air conditioning system parts are produced every day.



Industrial Visit to Hanon Automotive Systems Pvt Ltd, Maraimalai Nagar,

An Industrial Visit was arranged on 19th October 2022 for the III year Section-2 Mechanical Engineering students to Motherson Automotive Technologies & Engineering, Maraimalai Nagar, Chengalpattu. The main objective behind the visit was to make



students aware about how various activities related to manufacturing activities are carried out in a company and give them the feel of production activities. The company employees of this automotive industry Mr.Jagadeesh, Mr.Velmurugan and Mr.Jerald briefed the students about the processes and cleared all the doubts of the students. The students got an overall view of the various machining processes in this industry.

An Industrial Visit to Sri Sai Industries - Ambattur Industrial Estate was arranged for the Final year Section I Mechanical Engineering students on 14th October 2022. The General Manager explained the details about the various units of the industry such as Warehouse, CNC facing section, CNC grinding section, CNC milling section, CNC boring section and conventional machining



Industrial Visit to Sri Sai Industries - Ambattur Industrial Estate

National level Technical Symposium 'MEQNZO '22'



A 'National Level Technical Symposium Meqnzo 22' was conducted on 29th October 2022. The Inaugural Address was delivered by the Chief Guest Mr. A. K. Rajakumar Plant Head - Lucas TVS, CSD. The chief spoke about the needed skill-sets for the future mechanical engineers, and said that there was a bright future for the manufacturing industry in the forthcoming years. He also shared his experience, the importance of the basics of the subjects, who is an engineer, what mechanical engineering industries want, and also praised the various events conducted at our college.

section. The students were allowed to visit the various zones of the CNC units.

S. Thirugnanam, C. Velmurugan and Binu Kurian Mathew published a paper on 'An experimental investigation on mechanical properties of aluminium-7075 based graphite and bagasse ash particles reinforced metal matrix composite' AIP Conference Proceedings 2446, 040018 (2022); <https://doi.org/10.1063/5.0108849>, November 2022.

S. Thirugnanam, C. Velmurugan and Binu Kurian Mathew published paper on 'A practical study on mechanical characteristics of Al6061-ash-SiC metal matrix composites' AIP Conference Proceedings 2446, 040023 (2022), <https://doi.org/10.1063/5.0108848>, November 2022.

Mr.P.Ramu, Assistant Professor (O.G), Mr.G.Rajesh, Assistant Professor (O.G) and Mr.S.Sivalingam, Assistant Professor (Sr.G) presented paper on 'Modal Analysis of AL-Si-C Alloy Bush using Ansys' in 4th International Conference on Recent advances in Materials and Manufacturing ICRAMM 2022 at Velalar College of Engineering and Technology, Erode, Tamil Nadu, India.

Mr. Vadivel, Assistant Professor (O.G) successfully completed the 5-day Online FDP on the theme 'Inculcating Universal Human Values in Technical Education' organized by All India Council for Technical Education (AICTE) from 31st October to 04th November 2022.

V. Ghodke, S. S. Pungaiah, M. D. Shamout, A. A. Sundarraj, M. I. Judder and S. Vijayprasad, 'Machine Learning for Auto Segregation of Fruits Classification Based Logistic Support Vector Regression', 2022 2nd International Conference on Technological Advancements in Computational Sciences (ICTACS), 2022, pp. 831-835, <https://doi.org/10.1109/ICTACS56270.2022.9988523>.

Mrs.Nithya, Assistant Professor (Sr.G) filed a patent on 'Design and development of MR Damper for machining Al based metal matrix composites' on 08th December 2022. Patent Application Number: 202241070750.

Dr.S.Suresh Pungaiah, Assistant Professor (O.G) filed a patent on 'Experimental Investigation of DI Diesel Engine Performance with Oxygenated Additive and SOME Biodiesel' on 09th December 2022. Patent Application No.202211069770.

Department of General Engineering

Dr. S.K.Saravanan AP (Sel.G) presented a paper titled 'A Review of Digital Twin Leveraging Technology, Concepts, Tools and Industrial Applications' in the IEEE sponsored first International Conference on Computational Science and Technology (ICCST2022) held on 09th and 10th November 2022 at Sri Sairam Engineering College, Chennai.

Dr. S. K. Saravanan AP (Sel. G) obtained SWAYAM NPTEL online certification for the courses 'Educational Leadership' and 'Python for Data Science'.

Dr. S.K.Saravanan AP (Sel.G) published two articles as Chapter Headings in 'Emerging Applications and Smart Systems Based on Blockchain Technology' during October 2022 with ISBN: 978-81-953592-1-9.

Dr. S. K. Saravanan AP (Sel. G) received a certificate of appreciation as a reviewer of papers for the IEEE sponsored first International Conference on Computational Science & Technology (ICCST2022) held on 09th and 10th November 2022 at Sri Sairam Engineering College, Chennai.

National Service Scheme (NSS)

The NSS Volunteers of SRM Valliammai Engineering College observed the 'SRM VEC Hygiene Day' on 14th October 2022. They gathered at the basketball court to clean it and maintain a hygienic campus. After the brief instructions from Dr. S. Parthasarathy, NSS Programme Officer, the volunteers started working on the field. The volunteers were instructed to clean the field which was filled with tall dry grasses, weeds & small plants. They were provided with tools like sickle, spade and plough. The volunteers handled these tools efficiently and cleaned the field to ensure that the ground was clean enough to use. The volunteers were also instructed to remove all the plastics from the ground. The volunteers worked actively throughout the event. They did everything and made a plain ground which could be used by their fellow students to warm up for their sports practice. By the end of the day the objective of the event was achieved by the volunteers. The ground looked clean and hygienic. The NSS Programme Officer appreciated the volunteers for their effective contribution and service.



The National Service Scheme of SRM Valliammai Engineering College with great initiative and support from the management organized a 'Blood Donation Camp' on 17th October 2022. The NSS unit organized this Camp in association with Kattankulathur Potheri Centennial Lions Club. The Medical partners were 'SIMS Hospital' and 'SRM Medical College & Research Centre'.

The camp began in the presence of the Director, the Principal, the Vice Principal, Faculties, NSS Volunteers and students. The office bearers of the Lions Club were also present. Doctors, Nurses and helpers provided the medical support. The dignitaries encouraged the students by emphasizing the importance and benefits of the blood donation. Thereafter, the faculty & students donated blood in large numbers.



At the end of the camp, nearly 250 units of blood were collected successfully. The Lions club members appreciated the College management for this commendable venture. The doctors from the SRM Hospital and SIMS Hospital also complemented the management and the students for the overwhelming response for donating blood. The doctors also thanked the NSS volunteers who supported them throughout the camp and worked with perfect coordination with the doctors.

The NSS unit of SRM Valliammai Engineering College observed 'CleanIndia 2.0' on 19th October 2022. The NSS

Volunteers planned to collect the single use plastics from the surroundings in and around Guduvanchery and Urappakkam. The objective of the event was to collect a total of '200 Kilograms' 'single use plastics' and to create a plastic free environment. The 47 NSS Volunteers were split into two teams. After brief instructions from Dr. S. Parthasarathy, NSS Programme Officer, both the teams collected the plastics from the roadside. The volunteers worked hard to achieve 100% of the objective.

The first group was dropped off at Guduvanchery and the second group was dropped off at Urappakkam. The volunteers were provided with a pair of gloves, masks and instruments to pick the plastics wastes. The volunteers picked the plastic water bottles, covers and other plastic wastes from the roadside. In the afternoon, the Maraimalai Nagar Municipality officials seized the banned plastics with the help of the NSS volunteers. At the end, the Municipality officials weighed the total plastics collected by the NSS volunteers and certified that the NSS Unit of SRM Valliammai engineering had collected 332 kgs of plastics. The people of Urappakkam and Guduvanchery appreciated the massive efforts of NSS Volunteers and thanked the NSS Programme Officer for this measure in cleaning their environment.

The NSS unit of SRM Valliammai Engineering College observed 'National Unity Day' by conducting a rally on 31st October 2022 from college to Post Officer, Potheri. The objective of the event was to exhibit the significance of unity and the achievements of Sardhar Vallabhai Patel in uniting the Nation. The NSS volunteers started the rally from SRM Valliammai Engineering College, continued through the various blocks of SRM University and reached the Post Office. Each volunteer held a placard which conveyed the importance of unity as well as the ideologies of Sardhar Vallabhai Patel.



Then, the volunteers took a pledge along with the students to preserve the unity in front of Tech Part, SRM University. Further the volunteers resumed and walked further. While walking, the slogans related to unity were repeated by the volunteers after Dr. S. Parthasarathy, NSS Programme Officer. The volunteers halted near SRM Hospital and there also, the volunteers repeated the slogans. Finally, the volunteers reached the Post Office and initiated the sense of unity among the public. The volunteers exhibited the achievements of Sardhar Vallabhai Patel in the Post Office to the public. The volunteers again took an oath in Tamil along with the public. After the oath, the volunteers returned to the college.

The NSS Unit of SRM Valliammai Engineering College organized the orientation program for the 'First Year Students'. All the first year students were asked to assemble at the seminar hall. Dr. S. Parthasarathy, NSS Programme Officer, briefed the students about the history of the NSS Unit and the activities which were conducted by the volunteers. Two videos were played which showcased the efforts taken by the volunteers in the special camp and other camps. As the videos were playing, Dr. S. Parthasarathy briefed every

[Contd...]

process of the special camp simultaneously. After that, the NSS Programme Officer invited Ms. Jayamathi, II CSE-2, NSS Volunteer to share her experience in the NSS Unit. She shared her experience of participating in the state camp conducted by the Government of Tamil Nadu. She also encouraged the volunteers to join the NSS unit of SRM Valliammai Engineering College. Then Mr. Nithim Sha, II ECE-2, NSS Volunteer shared his first event's experience. He told about his negative thoughts initially and which were transformed into positive ones by the end of the event. He also said that 'once you start working, your mind will not allow you to stop until it's completed and that is the spirit of NSS'. The orientation programme came to an end with the vote of thanks proposed by Dr. S. Parthasarathy, NSS Programme Officer.

Dr. S. Parthasarathy, NSS Programme Officer, SRM Valliammai Engineering College was invited to coordinate a team of NSS volunteers by Anna University. The volunteers were selected from different colleges to participate in the 'National Integration Camp' organized by the REVA University, Bangalore, Karnataka in association with the State NSS Cell, Government of Karnataka and Ministry of Youth Affairs and Sports, from 22nd November 2022 to 28th November 2022 (seven days). The participants were from various Universities of our country. The theme of this camp was to learn other's culture and tradition. Another agenda of this camp was to develop the coordination and adaptive skills among volunteers.



First day, the volunteers were asked to register themselves. A procession was executed by different states with their culture and traditional outfits from REVA University main gate to 'Kuvempu' auditorium. Then the inauguration ceremony began. The chief guests were Dr. P. Shyama Raju, Chancellor, REVA University, Shri Uppin, Regional Director and Dr. Shalini Rajneesh, IAS, Department of Youth Empowerment and Sports, Government of Karnataka. The concept of integrity and contribution to the society for the integration as a Nation was prioritized by the chief guests. After the inauguration ceremony, the volunteers were divided into six teams namely 'Mahabaleshwar', 'Munnar', 'Murcha', 'MahendraGiri', 'Madhu Giri' and 'Meghamalai'. Each team had two coordinators, a captain with twenty seven volunteers. All the teams were given instructions on their next six days of the camp. The regular day to day tasks were flag hoisting, technical session, cultural talent show based on a theme, awareness programme, Flag lowering and Kitchen would be taken care of by one team per day. At the end of the first day, the volunteers were given a campus tour in and around the REVA University.

The second day started with yoga and exercise taught by Mrs. Seema, Assistant Professor, REVA University after regular flag hoisting at 'Saugandhika' auditorium. A clean India camp is to collect all types of wastes on either side of the roads was conducted between 'REVA' circle to 'Bellahalli' cross. Then a technical seminar on 'Human Rights' was delivered by Dr. Kali Charan, M.L., which highlighted the duties to be taken, violation of human rights and key factors to protect our rights. That was followed by a cultural event on the theme 'Indian Folk' was conducted. Finally a general feedback session was organized.

On the third day, a Blood Donation camp was organized in collaboration with The Lions Club and Narayana Hrudayalaya Blood Centre. 816 units of blood were donated to the different blood banks. The doctors from those banks and Lions club members appreciated the donors and volunteers.

On the fourth day, after flag hoisting Yoga and exercise was demonstrated by Mrs. Seema, Assistant Professor, REVA University. The volunteers were taken to 'Iskon' temple to educate the volunteers about the cultural heritage, after. All the volunteers admired the architectural beauty of the temple. It was an informative visit. The technical session on "Personal Excellence" was delivered by Mrs. Monica S Sharma, Student Counselor, REVA University. The volunteers were enriched with knowledge of how to maintain balanced mental health. There was a cultural event in the theme of "Kannada Rajyotsava".

On day five, after the regular activities of yoga and warm up exercises, the volunteers participated in the walkathon to observe 'World Disabled Day'. The volunteers walked with placards along with the disabled children for around four kilometers from the 'Galleria mall entrance' to 'Doddaballapur main road'.

On the sixth day of the camp, volunteers were taken to the Rocky mountains of Antaragange which paved an opportunity to experience trekking and cave exploration. The Mountain is about 3 kilometers in length. Everyone encouraged each other during their tough times and they reached the peak successfully.

The last day of the camp started with the Flag hosting, yoga and exercise. It was followed by a 'rangoli competition'. Six teams actively participated in the competition. The chief guest of the valedictory ceremony are Mr. S. Balaji, President of Kannada Janapada Paishad, Dr. M. Dhanamajaya, Vice-chancellor and Dr. N. Ramesh, Registrar. This camp was a journey filled with challenges and situations that tested potential, personality, flexibility and problem - solving skills. Different people from different states, speaking different languages, cultures and traditions have come together and integrated for the nation building process through NSS. REVA University Office bearers appreciated the volunteers and the Programme Officers for their enthusiastic support for Camp.

The NSS unit and Internal Complaints Committee (ICC) / Vishaka of SRM Valliammai Engineering College created an All India book of Records on 30th November 2023 in the college campus. 1305 members of students and staff cheered together for gender equality. They also formed the human logo of ICC in front of the first year building. Then they took an oath in Tamil and English for 20 minutes against gender discrimination and sexual harassment of women. The event was recorded officially in the India book of records.

The NSS Unit of SRM Valliammai Engineering College observed the International AIDS Day by conducting a rally to make the public aware about the causes and symptoms of HIV infection. The rally was organized from Tambaram to Chromepet via Sanatorium on GST Road. About 80 volunteers participated in the rally. The rally started at about 9.30 A.M. The Head of the department of Electronic and Communication flagged off the rally with a green flag. The volunteers started the rally from Tambaram bus Terminus. Each volunteer held a placard which spread a message to prevent AIDS. While walking, the slogans related to awareness on AIDS were repeated by the volunteers after Dr.S.Parthasarthy, NSS Programme Officer. The NSS volunteers shared facts and medically accurate information about HIV and AIDS at every bus stop. NSS volunteer Nithim Sha explained the symptoms of HIV and treatment of AIDS in his speech at Chromepet bus stop. After some time, the rally resumed and it came to a halt near Saravana Stores, Chromepet. A total of 7 kilometers was covered by the volunteers.

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The NSS Unit of SRM Valliammai Engineering College were invited to participate in the interactive session with Mrs. Meeta Rajivlochan, IAS, Secretary of Youth Affairs and Sports, Government of India at TAG Auditorium, Anna University. This session began at 11.00 A.M. the introductory speech was given by Mrs. Meeta Rajivlochan. Then, interested volunteers were asked to give their ideas and suggestions in the topic 'Development of Small Scale Business with the help of the NSS Volunteers'. Different students from various colleges were actively given their suggestions and ideas. All the suggestions were taken in by the Secretary and she answered all the questions asked by the volunteers. The session came to an end with the vote of thanks proposed by Dr. Rajesh, NSS Coordinator, Anna University. The entire programme was very inspiring and informative.



The NSS unit of SRM Valliammai Engineering College participated in the 'Mega Tree Plantation Drive' at Kolathur village, near Oragadam, Chengalpattu organized by Hero MotoCorp and Times of India on 24.12.2022. The event was planned to plant over 55,000 saplings in a single phase. So the volunteers from many other colleges and local villagers were also invited. Our volunteers were allocated to coordinate with other volunteers to plant the saplings. They

Department of Information Technology

Dr.A.R.Revathi, Professor and Head published a book chapter entitled 'A Deep Exploration of Imaging Diagnosis Approaches for IoMT-Based Coronavirus Disease of 2019 Diagnosis System A Case Study' in Book - Cognitive Computing for Internet of Medical Things, Pg 199-216, Publisher- Chapman and Hall, CRC.

Dr.A.R.Revathi, Professor and Head published a paper titled 'Convergence of AI, ML, and DL for Enabling Smart Intelligence: Artificial Intelligence, Machine Learning, Deep Learning, and Internet of Things' in Scopus Indexed Journal IGI Global Platform.

were split into groups of two in each. One volunteer was instructed to separate the plastic bags from the saplings; the other would help other volunteers plant the saplings. The chief guests of this event were Mr. Rahul NADH, the Collector-Chengalpattu, Mr. Deepak Srivastava, the Director-Green Tamilnadu Mission, Mr. Anbarasan, Minister of Ministry of Micro, Small & Medium Enterprises, Mr. Meyyanathan, Minister of Environment and Mrs. Varalakshmi, MLA of Chengalpattu.

After the inauguration ceremony, our volunteers were asked to go to their respective boxes. Each box had around 300 slots. There were more than 185 plots. After the official event, our volunteers were asked to plant the saplings in a plot. Six hundred and seventy saplings were planted by the volunteers of SRM Valliammai Engineering College. Totally Fifty five thousand saplings were planted in this drive. Then the volunteers were appreciated by the Office Bearers of Hero MotoCorp and also they thanked Dr. S. Parthasarathy, the NSS Programme Officer, for the successful completion of this great event.



The NSS unit of SRM Valliammai Engineering College in association with the Postal Department of India (Nanganallur SO) organized a 'Postal Mela' for two consecutive days on 29.12.2022 and 30.12.2022 from 8.00 A.M. to 7.00 P.M. at EEE Seminar hall. A team of four officers from the post office visited the premises and completed the task with utmost dedication. In this event, students and staff availed the mentioned below services:

- New enrollment and Updation of Aadhar, which includes Phone number, Bio-metric, Date of Birth and Address
- Opening of instant savings account (SB) & recurring deposit (RD) accounts.
- Delivering Postal Life Insurance policies.

In this camp, 230 members were benefited, 30 S.B. accounts were opened, a PLI policy of 5 Lakhs was issued, and 175 Aadhar updations were made.

Dr.S.Seker, A.P (Sel.G), published a paper titled 'Modified light GBM based classification of malicious users in cooperative cognitive radio networks' in international journal - Cyber-Physical Systems.

Dr.A.R.Revathi, Professor, delivered a lecture on the topic of 'Data Preprocessing and Visualization', Mr.M.Asan Nainar, A.P(Sel.G), Department of IT, delivered a lecture on the topic 'Program Development using Python', Ms.S.Sandhya, A.P(Sr.G), delivered a lecture on the topic 'Data Analysis and Report preparation using dataset and libraries', in the Value Added Course on Python for Data Science - Phase-I organized by the Department of Information Technology on 08th October 2022 and 29th October 2022.

Mr.M.Asan Nainar, A.P(Sel.G), Department of IT, delivered a lecture in the Staff Development Programme on the topic

'Acquiring the rudiments of MS Excel', organized by the Department of Information Technology, SRM Valliammai Engineering College on 22nd December 2022.

During this tenure 5 Online/offline FDP/STTP/Workshop/Training Program, 3 Seminar/Webinar/ Guest Lecture/Quiz/Others & 1 Udey Certificate Courses were conducted.

The Value Added Course on Python for Data Science-Phase-I on 08th October 2022 and 29th October 2022 was organized by the coordinator Mr.M.Asan Nainar, A.P (Sel.G).



Value Added Course on Python for Data Science-Phase-I

An Industrial Visit to Doordharshan Kendra was organized for the II Year IT 1 students on 18th November 2022 by the class advisor Ms.S.Sandhya, A.P (Sr.G).



Industrial Visit to Doordharshan Kendra

An Industrial Visit of II Year IT 1 students to L V Prasad Studio on 24th November 2022 was organized by the class advisor Dr. R. Thenmozhi, A.P (Sel.G).



Industrial Visit to L V Prasad Studio

The Staff Development Programme on 'Acquiring the rudiments of MS Excel A Training session' was organized on 22nd December 2022 by the coordinator Mr.M.Asan Nainar, A.P (Sel.G).



Kattankulathur, Tamil Nadu, India

Department of Artificial Intelligence and Data Science

Dr. S. Jeyalakshmi and Dr. S. Ravikumar, published a paper titled on 'Modified light GBM based classification of malicious users in cooperative cognitive radio networks' in an international Journal Cyber-Physical Systems, Tylor & Francis online in 2022.

Dr. S. Ravikumar filed and got granted a patent titled 'Baby Cradle' on 3rd July, 2022 and 18th January 2023 respectively with application no: 367142-001.

Dr. R. Deepa published a paper titled 'Efficient target monitoring with fault tolerant connectivity in wireless sensor networks' in an International Journal Transactions on Emerging Telecommunications Technologies. Wiley Online Library.

Master of Business Administration

An industrial visit to M/s. Innovative Codes (I) Pvt. Ltd was organised for the faculty members of the Dept. of Management Studies on 3rd October 2022. Faculty Members Dr. M. Ganesan @ Kanagaraj, Dr. S. Raja, Dr. K. Guru, Mr. K. Suresh, and Mr.B.Sam Paul visited the company. The faculty members had the opportunity of taking a visit around the production facility and understanding the production and operations process carried out in the organisation.



Industrial visit to M/s. Innovative Codes (I) Pvt. Ltd.

SRM Valliammai Engineering College Incubation Center signed a Memorandum of Understanding (MOU) with Capital Marketing Services a corporate finance and advisor firm on 7th October 2022 with a validity period of 3 years. Mr. Sivakumar, CEO of Capital Marketing Services and Dr. K. Sentamilselvan, HOD Dept. of Management Studies signed the MOU and the event was coordinated by Dr. V. Selvalakshmi.



MOU with Capital Marketing Services

An alumni talk on 'Career Opportunities for MBA Students' was organised by the Dept. of Management Studies on 7th October 2022. Student Alumni Mr. K.M. Maxwell Richard, Sr. HR, Vsri Innovations Pvt. Ltd, Ms. Vigneshwari, Ph.D. Scholar, Central

University of Tamilnadu, Mr. David Johnson, Deputy Manager Talent Management, Reliance Jio, Ms. Gowshika HR Associate Talent Acquisition, Freshworks, Ms. Keerthi, Project Manager- Blitzscale Software Solutions, Ms. R Prabhavathy, Ph. D Scholar, SRMIST, and Ms. Pooja- SAP Consultant, TCS addressed the event. Students of First Year MBA participated and benefited from the event.



Alumni talk on 'Career Opportunities for MBA Students'

An industrial visit to M/s. Hatsun Agro Products Ltd., Kanchipuram was organised by the Dept. of Management Studies for the second year MBA Students on 13th October 2022. Faculty members Dr. J. Anand and Dr. V. Selvalakshmi accompanied the students on the industrial visit. Students were taken on a guided tour around the production facility and were briefed about the production process by the company officials.



Industrial Visit to M/s. Hatsun Agro Products Ltd., Kanchipuram

Dept. of Management Studies organised an industrial visit to M/s. Diamond Engineering Pvt. Ltd, Chennai for the second year MBA students on 12th October 2022. Faculty members Dr.K.Guru and Mrs. A. UmaDevi accompanied the students on the industrial visit. Students had the opportunity to interact with the company officials and understand the production planning, manufacturing process, inventory management and quality control process in the organisation.



Industrial visit to M/s. Diamond Engineering Pvt. Ltd, Chennai

An industrial visit to Aavin Ambattur Dairy (TCMPF Ltd) was organised by the Dept. of Management Studies for the first year MBA students on 18th October 2022. Faculty members Mr.



Industrial visit to Aavin Ambattur Dairy (TCMPF Ltd)

K. Suresh and Mrs. A. UmaDevi accompanied the students on the industrial visit. Students were taken on a guided tour around the production facility and were explained the production process by the company officials.

Dept. of Management Studies in association with Entrepreneurship Development Cell and Institution Innovation Council, SRM Valliammai Engineering College organised a Guest Lecture on 'Role of E-Commerce in India' on 14th October 2022. Mr. Sudarsan Babu, Chief Product Officer, Founder, Jinglebid and Director of Strategy, Kaay Innovation delivered the lecture. Students of first year and second-year MBA participated and benefited from the event.



Guest Lecture on 'Role of E-Commerce in India'

Dept. of Management Studies in association with Entrepreneurship Development Cell, SRM Valliammai Engineering College signed a Memorandum of Understanding (MoU) with Kaay Innovation and Xander Media Group on 27th October 2022. Dr. K.Sentamilselvan, HoD, Dept. of Management Studies, Mr. Sudarsan Babu, Director - Kaay Innovation, and Mr.Nithin Alexander, Founder - Xander Media Group signed the MoU jointly agreeing to exchange their expertise for mutual benefit and growth on the areas like, Placement of Trained Students, Mini Projects and Main Project Work, Faculty Development Programs, Research & amp; Skill Development Programs, Problem Solving, Studies Survey, Establishing Advanced Labs, In-plant Training & amp; special Technical Training to make the students industry-ready. Mrs. A. UmaDevi, Asst. Professor and ED Cell Coordinator initiated and coordinated the event.



MoU with Kaay Innovation and Xander Media Group

Entrepreneurship Development Cell and Institution Innovation Council, SRM Valliammai Engineering College in association with the Dept. of Management Studies organised a two-day training programme on 'Financial Education' on 14th and 15th December 2022 for the second year MBA Students. Mr.M.Jeyaprakash, NISM & NSE Approved Trainer, SEBI-SMART facilitated the training program. The training program was focused on imparting knowledge among the students in the area of financial markets, concepts of investment, savings and securities market.



A two-day training programme on 'Financial Education'

An industrial visit to Aavin - Madhavaram Dairy (TCMPF Ltd) was organised by the Dept. of Management Studies for the first year MBA Students on 16th December 2022. Faculty members Mr. K. Suresh and Dr. V. Selvalakshmi accompanied the students on the industrial visit. Students were taken on a guided tour around the production facility and were explained the production process by the company officials.



Industrial Visit to Aavin - Madhavaram Dairy (TCMPF Ltd)

SPORTS

Mr. T. Prakash Raj, II-CSE, won the Gold Medal in the Pole Vault and Silver Medal in Discus Throw event in the 19th Krishnagiri District Junior Athletics Championship 2022 on 1st & 2nd October 2022 and was selected for the state championship.

Ms.Ch.Dhanalakshmi IV-ECE won the Gold medal and Ms.M.Swetha III-ECE, K.Thanuja III-ECE, Ms.C.Madhumitha III-ECE, Ms.M.Likhitha II-ECE won the Silver Medal in Andhra Pradesh State Ball Badminton Championship 2022, from 3rd to 5th October 2022.

Ms.K.Jyothi, III-ECE, Represented the Telangana State Basketball Women's team and won the Gold Medal 36th



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Dr. K. Sentamilselvan, Dr. M. Ganesan @ Kanagaraj and Dr.S.Raja published a paper on 'Perception of Post-Graduate Students on Online classes during covid-19 Pandemic Situation' in the Journal of Pharmaceutical Negative Results.

Dr. J. Anand and Dr. M. Ganesan @ Kanagaraj published a paper on 'Impact of training and Development of Employees Efficiency and Effectiveness - Empirical Evidence' in the Journal of Pharmaceutical Negative Results.

All India Management Association Webinar Sessions

Faculty Members and the Students from the Dept. of Management Studies participated in the webinar on 'The Impact of Technology on Society with focus on Children and Young Adults' organised by All India Management Association (AIMA) on 9th December 2022. The Chief Guest, Ms. Sundari Nanda, Special Commissioner, Delhi Police delivered the webinar and Ms. Suneeta Reddy, Vice President AIMA and MD Apollo Hospitals moderated the event.

Faculty Members and the students from the Dept. of Management Studies participated in a webinar on 'India's IT Revolution A Marathon Well Run' organised by All India Management Association (AIMA) on 15th November 2022. 28th September 2022. The Chief Guest, Mr. Kris Gopalakrishnan, Chairman, Axilor Ventures & Former Vice Chairman - Infosys delivered the webinar and Mr. Shrinivas Dempo, President AIMA & Chairman, Dempo Group of Companies moderated the event.

National Games 2022 held at Gujarat from 29th September to 6th October 2022.

Mr.S.Divyan III-CSE, won the First Place in Open Men Doubles Badminton Tournament held at Chennai on 9th October 2022.

Our College has been nominated as Anna University Zone IV Sports Coordinating Centre for 2022-23.



SRM VEC won the Gold Medal in Anna University Zone-IV Tennis Men Tournament held at Sri Sairam Institute of Technology on 5th November 2022.

The Department of Physical Education successfully organized the Anna University Zone-IV Kabaddi Men Tournament on 6th November 2022.

Our Badminton Men Team Players won the First and Second Places in 'Chemflux 10.0 Badminton Men Tournament' organized by SRM IST on 6th November 2022.

SRM VEC won the Silver Medal in Anna University Zone-IV Table Tennis Women Tournament held at New Prince Shri Bhavani CET on 7th November 2022.

SRM VEC won the Bronze Medal in Anna University Zone-IV Badminton Women Tournament held at Sri Sairam Engineering College on 8th November 2022.

Department of Physics

The department of Physics organised an expert lecture on 'Current Scenario in Solid State Physics' online on 16th November 2022. The chief guest was Mr. Sethu Narayanan Tamilselvan Senior Specialist, Singapore University of Technology and Design (SUTD), Singapore.

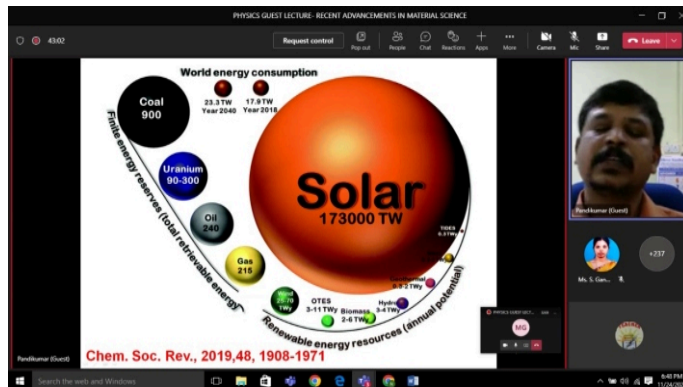


Expert Lecture on 'Current Scenario in Solid State Physics'

Dr.K.Thiruppathi, Assistant Professor (Sel. G), published a research paper titled 'Cerium-based metal sulfide derived nanocomposite-embedded rGO as an efficient catalyst for

photocatalytic application' in the journal, Environmental Science and Pollution Research on 23rd November 2022.

The department of Physics organised an expert lecture on 'Recent advancements in Material Science' online on 24th November 2022. The chief guest was Dr. A. Pandikumar, Scientist, Functional Materials Division, CSIR Central Electrochemical Research Institute, Karaikudi.



Expert Lecture on 'Recent advancements in Material Science'

Dr.M.Anbuechziyan, Professor and Head, successfully completed the SWAYAM online course on the 'Awareness Programme on Solar Water Pumping System, offered by Prof.

Mr.B.V.Asswanth, III-EIE, won the First Place in the Open State Mixed Doubles Badminton Tournament on 13th November 2022.

SRM VEC won the Gold Medal in Anna University Zone-IV Badminton Men Tournament held at Sri Sairam Engineering College on 16th November 2022.

SRM VEC won the Silver Medal in Anna University Inter Zonal Tennis Men Tournament held at Bannari Amman Institute of Technology, Sathyamangalam From 15th to 16th November 2022.

SRM VEC won the Gold Medal in Anna University Zone-IV Basketball Women Tournament held at SRM Valliammai Engineering College on 22nd November 2022.

SRM VEC won the Silver Medal in Anna University Zone-IV Basketball Men Tournament held at SRM Valliammai Engineering College on 22nd November 2022.

The Department of Physical Education successfully organized the Anna University Zone-IV Basketball Men and Women Tournament on 22nd November 2022.

The Department of Physical Education successfully organized the Anna University Inter Zonal Basketball Women (State Level) Tournament from 26th to 27th November 2022.

SRM VEC won the Bronze Medal in Anna University Inter Zonal Badminton Men (State Level) Tournament held at Kamaraj Engineering College, Virudhunagar from 21st to 23rd November 2022.

Mr.B.V.Asswanth, III-EIE, represented the Anna University Badminton Men Team and participated in the South Zone (South India) Inter University Badminton Men Championship 2022 held at Jain University, Bangalore from 27th to 30th November 2022.

Mr.S.K.Syed Sameer, III-Mech, won the Silver Medal in Anna University Inter Zonal (State Level) Taekwondo Men Tournament held at Govt. College of Engineering, Burgur on 17th December 2022.

Ms.M.Swetha and Ms.C.Madhumitha, III-ECE, represented Andhra Pradesh Women team and won the Bronze Medal in the Senior National Ball Badminton Women Championship 2022 from 23rd to 25th December 2022.

The Annual College Day Sports events for staff successfully started from 26th December 2022.

SRM VEC won the Gold Medal in Anna University Zone-IV Ball Badminton Women Tournament organized by SRM Valliammai Engineering College on 31st December 2022.

SRM VEC won the Gold Medal in Anna University Zone-IV Ball Badminton Men Tournament organized by SRM Valliammai Engineering College on 31st December 2022.



Mukesh Kumar of Indira Gandhi National Open University, New Delhi.

Dr K.Thiruppathi, Assistant Professor (Sel.G), published a research paper titled 'Nickel-Cadmium-Sulfide Anchored on rGO Nanocomposite for Removal of Textile Industry Dyes' in the journal Sustainability, 14-16184 on 4th December 2022

Mrs.R.Sasireka, Assistant Professor (OG) and Dr.Ramya Rajan M.P, Assistant Professor (OG) participated in and completed the course 'Classical Electromagnetism - 2 (Magnetostatics)' organized by the Centre for Continuing Education, IIT Kanpur, during the period 15th August to 25th December 2022.

பாரிவேந்தர் மாணவர் தமிழ் மன்றம்

Vasanth TV organized a Ayudha Pooja Pattimandram show on 29th Sep 2022 on the topic (எடுத்த காரியத்தில் வெற்றி பெறுபவர்கள் ஆற்றல்மிகு இளைஞர்களா? அனுபவமிகு முதியவர்களா?) Mr.K.Shanmugam,AP(OG)/CSE participated in this programme and was telecasted on 4th Oct 2022.



Vasanth TV organized a Ayudha Pooja Pattimandram

V.Subha Lakshmi, III year / IT & K.Jaikumar, III year / AI & DS participated in the Essay Competition organized by Manasa Pro-Youth foundation and they got the Mahatma Award by International United Kalam book of World Record on 2nd Oct 2022.

Jaidev Melvin, IIInd year / CSE, participated in the talk show about Ponniyin Selvan Navel on 14th Oct 2022 in Puthuyugam TV

Podhigai TV organized a Deepavali Pattimandram show on 17th Oct 2022 on the topic (பண்டிகை சிறப்பது கிராமத்திலா? நகரத்திலா?) Mr.K.Shanmugam,AP(OG)/CSE participated in this programme and was telecast on Deepavali 24th Oct 2022.



Podhigai TV - Deepavali Pattimandram

Muthu Kiruba.B, Rajasundari.J, Mercy.G, III year / CSE participated in the Essay Competition organized by Vaagai Tamil Sangam on 14th Oct 2022. Rajasundari.J was selected and got the Kalam Kanavu Manavar Award on 23rd Oct 2022 by Vaagai Tamil Sangam.

Tamil Quiz event A world record event Quizathon was organized by SRM VEC- Paarivendhar Manavar Tamil Mandram in association with Yavarum Kelir Skill Development Association on 26th Nov 2022. In this event the following students were winners of the Quiz programme. First Prize secured by Dhusiv - II year / CSE, Second Prize secured by Vannamati - III year / IT & Third Prize secured by (a) Harini Preetha - II year / EIE, Siva Balan - II year/ Agri & JayaVarshini - II year/ ECE.

A World Record Event- Quizathon: organized by Yavarum Kelir Skill Development Association and Paarivendhar Students Tamil Association of SRM Valliammai Engineering College

Yavarum Kelir Skill Development Association and Paarivendhar Students Tamil Association of SRM Valliammai Engineering College jointly organized the world record event in aptitude test or Quiz Program at SRM Valliammai Engineering College campus. Yavarum Kelir Skill development association has been conducting quiz event for 99 consecutive weeks in various topics like History, Mathematics, Science, Biology, Botany, Computer Science. For the 100th week, of quiz event Conducted by SRM Valliammai Engineering College.



World record event in aptitude test or Quiz Program

It was a world record event that more than 2500 students participated in the aptitude test from 10:30 AM to 11:00 AM simultaneously across Tamil Nadu. The Kalam Book of Records registered the event as a world record and celebrated by presenting certificates for the world record to Yavarum Kelir Skill development association.

All these world achievement certificates were received by the founder & treasurer of Yavarum Kelir Skill Development Association founder, Mr.Gowri Raj and S.Ilanthamilan, Secretary President P. Selvaraj and vice president P.Lokabiraman.Yvarum Kelir Skill development association and Kalam Book of Record jointly participated in the World Record event and coordinated the event by participating their college students, SRM Valliammai Engineering College, Paarivendar Students Tamil association honored the World Record event with certificates of cooperation and appreciation.



Yavarum Kelir - World achievement certificates

Dr.M. Murugan, the principal of the college received these special and commemorative certificates. Paarivendhar Students Tamil Association received special and commemorative certificates for their contribution by Tamil mandram Coordinator Mr.K.Shanmugam.

Mr.Aditya Kathir, the actor, Tamil Film Industry was the special guest of the event and gave his greetings. He said in his speech that the efforts of Yavarum Kelir Skill development association did very good work. This association, which was formed for the welfare of students during the Corona era, has staged a commendable world record event.

Dr.M. Murugan, Principal of SRM Valliammai Engineering College, who was the special guest on the occasion, in his address said that the centenary quiz event has been marked as a world record event and is highly commendable. More than 2500 students from all over Tamilnadu participated in the event at a given time which is rare. In this event, our college also staged a global achievement event. He congratulated and appreciated the company treasurer and company secretary of the association.

Dr. Balamurugan, Assistant Engineer of Tamilnadu Electricity Board and Moses Sundar, host of Vasanth TV, participated and expressed their congratulations and appreciation that the Student Skill Development Association has completed the world record event. Paarivendhar students Tamil association of SRM Valliammai Engineering College more than seventy Tamil Mandram students participated in this event. The winners of the quiz event were felicitated with prizes and certificates of appreciation.

The event was conducted very well under the guidance of Dr. B. Chidhambaram, Director, SRM VEC and Dr.M.Murugan, Principal and Dr. H.Krishnan, Vice-Principal in the presence of Head of Department Dr. B. Vanathi and Coordinator K. Shanmugam. It is worth noting that the founder of Yavarum Kelir Skill development association Founder Mr.Gowriraj and the secretary Mr. S. Ilannamizhan and members of the association participated and coordinated and completed the world record event.

SRM VEC, Paarivendhar Students Tamil Association and Valliநம் youtube channel and ICC- Vishaka Committee jointly organized a Pattimandram show online on 7th Dec 2022 on the topic (பெண்களின் முன்னேற்றத்திற்கு பெரிதும் காரணமாக இருப்பது குடும்பமா? சுமுதாயமா?) Dr. Komala James, Professor and Head acted as a judge for this event. Mr.K.Shanmugam, AP/CSE, Ms.S.Shanthi, AP/CSE, Ms. Dr.Sreedevi, AP/IT, Dr.K.Devi, AP/CSE, Mr.Sankara Narayan AP/AI & DS, Dr.Isaiarasi, AP/ Maths participated in this programme.

Paarivendhar Students Tamil Association of SRM Valliammai Engineering College and Tamilsenai Muthamil



ICC- Vishaka Committee - Pattimandram show

Sangam Foundation in association with Bharathiyar's 141st birth anniversary organized a state level speech competition event for college students in the college campus on 18th December 2022. Dr. M. Murugan, Principal of SRM Valliammai Engineering College was the Chief Guest who



Bharathiyar's 141st Birth Anniversary

inaugurated the event. In his speech, he said that the founder of the college, Dr. T.R.Paarivendhar, was responsible for the success of the Paarivendhar Students Tamil Association. He started the Student Tamil association in 2015 to encourage students to excel in Tamil literary activities. The Chairman of the college, Dr. Ravi Pachamuthoo, is a supporter of many such events. He also made a special speech to express his gratitude to them, to the Vice-Chairman of the college, Padmapriya Ravi Pachamuthoo, and to the correspondent of the college, Harini Ravi Pachamuthoo. Since 2015, the Director of the college, Dr.B. Chidhambaram, has been promoting many arts and literature activities in the Tamil association and various activities have been carried out under his guidance. He congratulated Dr.B.Vanathi and Mr.K.Shanmugam, who have been leading the Tamil association so well. The event started with a Bharatanatyam performance. The event was also inaugurated with a performance on parai isai by Srishakti Paraisai and Chilambha group and also performed Paraisai very well. Students were honoured with a prize of Rs.10,000 as first prize, second prize of Rs.5,000, third prize of Rs.3,000, special prize of Rs.1,000 and a medal for best Agni speaker. Dr. B. Vanathi, HoD/CSE and Dr. Komala James, HoD/ECE gave felicitations on the occasion. The event was brilliantly coordinated by Tamil Mandram Coordinator Mr.K.Shanmugam and Tamilchenai Muthamilchangam Foundation Trustees K.Sankar Babu, Inian, Shamini and Sakthiraj.

The following first year students of the Tamil mandram participated S.Saicharan/CSE, N.Padmashri/EIE, M.Krishna/EIE, S.G.Agnijeewan/ECE, G.Gowri/ECE, S.Hariesh/AI&DS, S.Kavya/CSE, S.Vishwa Krish/CSE and Mr.Karthick, AP/Agri participated in the event of 'Nearukku Ner (நேருக்கு நேர்)' on 21st Dec 2022 in Vendhar TV.



'Nearukku Ner' event in Vendhar TV

The Department of Tamil Development, TN Government and Tamil Virtual Academy organized a Thirukkural Natya Natakam event held at the Kaalivanar Arena under the title Kural Initu (கூறன் இனிது) on 21st Dec 2022. Tamil mandram students participated in this event.

Kavya, a first-year student of Computer Science and Engineering, participated in the Kaviarangam event held by Vallalar Muthamizh Peravai (வள்ளலார் முத்தமிழ்ப்பேரவை) and Veerathamirasi Velunachiyar Literary Society (வீரதமிழரசி வேலுநாச்சியாரிலக்கிய சமூக இயக்கம்) on 25th Dec 2022. She received the Vaagai Kavi award for her exemplary poetic skills. Mr.K.Shanmugam, AP/CSE, was honoured with the 'Vaagai Kavi award' (வாகை கவி விருது) for his excellent poetry writing.



Department of Chemistry

The Department organized a Guest Lecture on 'Surface Chemistry & Catalysis' on 18th November 2022. Dr.N.R.Sasirekha, Assistant Professor, Department of Crystallography and Biophysics, University of Madras, Chennai, Tamil Nadu, India was the Resource Person. Around 110 students and the faculties from various institutions attended the guest lecture.



Guest Lecture on 'Surface Chemistry & Catalysis'

The Department organized a Guest Lecture on 'Nanomaterials' on 7th December 2022. Dr. M. Arivanandhan, Professor, Centre for Nanoscience and Technology, Anna University, Chennai, Tamil Nadu, India was the Resource Person. Around 120 students and the faculties from various institutions attended the guest lecture.



Guest Lecture on 'Nanomaterials'

Dr. L. Devaraj Stephen, Assistant Professor (Sel.G) participated in a webinar on 'Successful Implementation of NIRF at your Institution' on 28th December 2022 organized by ISDE Academy India Private Limited, Chennai.

Dr. N. Jayaprakash, Assistant Professor (Sr.G) published a paper titled 'Selective colorimetric signaling of mercury (II) ions using a quinoline-based probe with Inhibit logic gate behavior

and test strip' in the Inorganic Chemistry Communications Journal, 29th December 2022.

Dr. P. Maheswari, Assistant Professor (O.G) published a paper titled 'Enhancement of antifouling properties, metal ions and protein separation of poly (ether-ether-sulfone) ultrafiltration membranes by incorporation of poly ethylene glycol and n-ZnO' in the Environmental Research Journal, 31st October 2022.

Department of Mathematics

Dr. S.Chitra, HOD /AP (Sl.G), Dr. V.Vijayalakshmi /AP (Sl.G), Ms.A.Karpagam AP (OG), Mr.N.Sundarakannan AP (OG) published a paper titled "Cubic Spline Interpolation with Octagonal Fuzzy Numbers" on "Advances in Mechanics", October 2022, Volume 10, Issue 1 pp-1357-1365

Dr. V.Vijayalakshmi /AP (Sl.G) and Dr. S.Chitra, HOD /AP (Sl.G) and Mr.N.Sundarakannan AP (OG), Ms.A.Karpagam AP (OG) published a paper titled 'New Methodology for Assignment Problem in Fuzzy Numbers' on "International Journal of Advanced Research in Science, Communication and Technology" on November 2022, Volume 2, Issue 3, pp-303-309, DOI : 10.48175/568.

Dr. V.Vijayalakshmi /AP (Sl.G) published a book chapter titled "Genomic Information system using Fuzzy Logic and Big data" on "Emerging Applications and Smart System Based on Block chain Technology", November 2022 ISBN - 978 - 81-953592-1-9 pp-216-225

Dr. V.Vijayalakshmi /AP (Sl.G) attended "National Seminar on SWAYAM MOOC" sponsored by ICSSR, Central Govt of India at SDNB Vaishnav College For Women, Chrompet, Chennai - 44 on 15th Dec. 2022.

Dr.T.Isaiyarasi/AP (Sl.G) has attended a titled ' Capacity Building in Drafting Proposals for Funded Research

Mrs.B.Vasuki/ AP (OG) has published a paper titled ' Face Antimagic Labeling for Double Duplication of Crown related Graphs' AIP Conference Proceedings, 30th November 2022.

Department of Placement & Career Guidance

During the period from October to December 2023 totally 25 companies visited and 129 offers were issued. Some of the major recruiting companies are, Renault Nissan Technology Business Centre India (28 offers), Sutherland Global Services Ltd (Voice) (46 offers), Avasoft (8 offers), TCS (NQT Ninja) (23 offers), TCS (NQT Ninja Digital) (4 offers), SICAME (2 offers), TVS Next (4 offers), etc.

Department of English

Dr. M.Chithra, Head, Dr. Sheeba Manodh, Asst. Prof (Sel.G), Dr. R.Geetha, Asst Prof (Sr.G), Ms.V.Jayanthi, Asst.Prof (Sr.G), Ms.M.Arthi, Asst.Prof (Sr.G) and Mr. Abhishek David John, Asst.Prof (O.G) completed an NPTEL Online Certification course 'Body Language: Key to Professional Success'.

Dr. M.Chithra, Head, attended an online workshop titled 'BECK Depression Inventory' conducted by Coimbatore, Psychology Foundation on 30th December 2022.

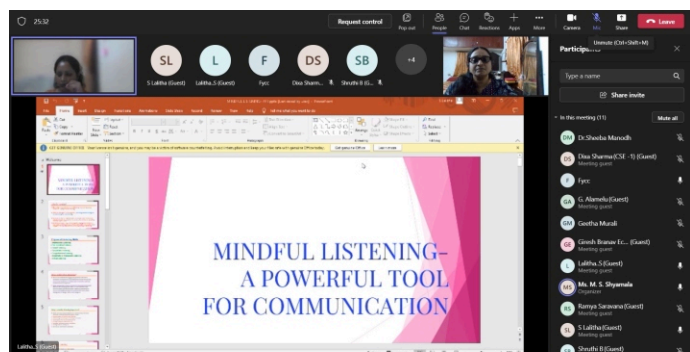
Dr Sheeba Manodh Asst.Prof (Sel.G) attended a Management Development programme titled 'Capacity Building in Drafting

Proposals for Funded Research' organized by the department of Management Studies at SRM Valliammai Engineering College on 12th December 2022.

Dr. Sheeba Manodh, Asst. Prof (Sel.G) published a paper 'Reducing the Dilemma of Teaching English to the Disadvantaged Students in Engineering Colleges: A Tough Challenge for the English Teachers' in Purana, UGC Care Listed Group Peer Reviewed and Referred Journal ISSN:0555-7860.

Dr. M.Chithra, Head and Dr. R.Geetha, Asst Prof (Sr.G) handled Communication Skills sessions 'Communication Outreach' for MBA students in order to enhance their interpersonal skills.

The department of English organised a workshop titled 'Mindful Listening - A Powerful Tool for Communication on 29th



Workshop 'Mindful Listening - A Powerful Tool for Communication

November 2022 for the First year students . The resource person was Ms.Lalitha, Asst. Prof., Dept of English, Rajalakshmi Engineering College.

The department of English, under the auspices of Burke Club organized 'Block and Tackle' competition for the first year students on 27th December 2022 . The students participated eagerly and displayed their public speaking skills. The winners were rewarded with prizes.



Burke Club 'Block and Tackle'

SPORTS ACHIEVEMENTS

