



The Correspondent, SRM Valliammai Engineering College graced the College Day 2022 along with the Chief Guest Mr.Suki Sivam, The Dy. Director, The Director - IIM, The Director, SRMVEC, The Principal, SRMVEC, The Vice Principal, SRMVEC & HoD-Civil, SRMVEC

Department of Civil Engineering

Department of Civil Engineering, in association with Institution of Engineers, Indian Society for Technical Education, Industry-Institute Partnership Cell and Institution Innovation Council organized a Guest Lecture on 'Innovative Surveying Techniques in Civil and Agriculture Engineering' on 11th April 2022. Around 106 participants including faculty members, students from our college and students from various institutions participated in this online Guest lecture through Microsoft teams. The guest speaker was Dr.K.S.A.Dinesh Kumar, Associate Professor, NITTTR, Chennai.



Guest Lecture on 'Innovative Surveying Techniques in Civil and Agriculture Engineering'

Faculty of Civil Engineering, in association with Institution of Engineers, Indian Society for Technical Education, Institution's Innovation Council and Industry-Institute Partnership Cell, organized RECTICA '22 - a National Conference on 'Recent Trends & Innovations in Civil Engineering and Agriculture

Engineering' on 23rd April 2022 from 09.00AM onwards. Around 100 participants including faculty members, students and research scholars participated in this online National Conference through Microsoft teams. The Chief guest for the inaugural session was Dr.K.Muthukumaran, Professor, Department of Civil Engineering, National Institute of Technology, Tiruchirappalli. Numerous papers were received from various states of which the best were selected. Dr.S.Sundari, Associate Professor, Government College of Salem was the Chair Person for the presentation session and she imparted technical knowledge through her query, suggestions and guidance to the participants.



RECTICA '22 - a National Conference on 'Recent Trends & Innovations in Civil Engineering and Agriculture Engineering'

SRM Valliammai Engineering College in association with 'The Institution of Engineers' (India), Tamilnadu State centre organized a 100-hour programme on the topic 'Sustainable Project Design' for final year students of all departments on 5th May 2022. The function was inaugurated by Dr.R.Venkatesan, Council Member and Former Sr.Scientist NIOT and Adjunct Professor University of Massachusetts Dartmouth, USA. Er.R.Ganesan, ITS, Ex.PGM BSNL visited the Electronics

Communication Engineering Department while Er.T.Jayasingh, Sr.Technical Manager, Standard Chartered Global Business School visited Information Technology and Computer Science Engineering Department and gave his feedback about the various models presented in the exhibition. Er.R.Ramadosh, Immediate Past Chairman, TNSC visited the Civil Engineering and Mechanical Engineering Department and shared his views about the models, also briefed the students about the current trends in the industry.



100 hour programme on the topic 'Sustainable Project Design'

The department of Civil Engineering conducted a Value Added Course titled 'Basics of Building Planning and Drawing' on 07th May 2022 and 14th May 2022 with a total strength of 73 students.



Value Added Course on 'Basics of Building Planning and Drawing'

The department of Agriculture Engineering conducted a Value Added Course titled 'Establishment of Farmers Producer Organizations' on 07th May 2022 and 14th May 2022 with a total strength of 53 students.



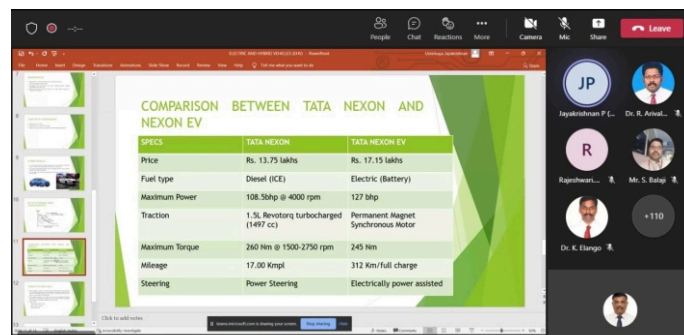
Value Added Course on 'Establishment of Farmers Producer Organizations'

D.Manisha and S. Subhatra Devi from 3rd year Agriculture Engineering, S.Adarsh and M.Pavithra from 2nd year Civil Engineering participated in the Idea Hackathon organized in our college premises and have been shortlisted for the further participation of Anna University Boot Camp.

EDITORIAL	The Chief Editor :	Dr. B. Chidhambara Rajan , Director, SRMVEC
	Editors :	Dr. M. Murugan , Principal, SRMVEC Ms. M. Chitra , Asst. Prof.(Sr.G), Head, Dept. of English Mrs. Geetha Murali , Asst. Prof.(Sr.G.), Dept. of English
	Layout & Design :	Mr. T. Elavarasu , Placement Executive

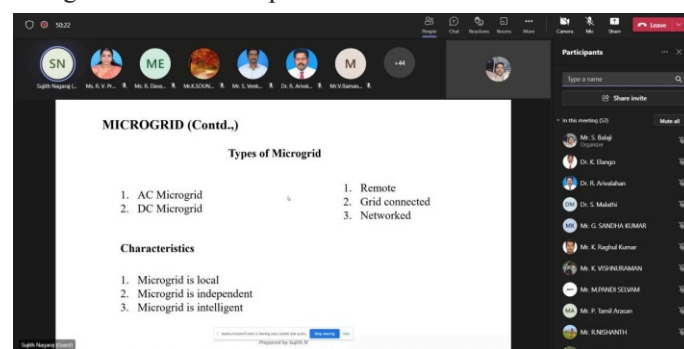
Department of Electrical & Electronics Engineering

The department conducted a one day National Seminar on the topic 'Recent Developments in Power Sector' on 1st April 2022 through virtual mode. The two speakers for the event were Ms.Kousalaya.S.S, Associate Software Engineer, Accenture Private Solutions, Bangalore, an alumnus of our college who presented the first session and Mr. Jayakrishnan.P Executive Engineer, Kerala State Electricity Board, Kasaragod who presented the second session of the seminar.



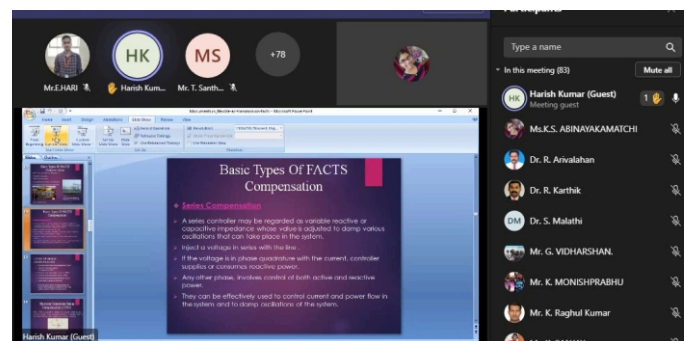
National Seminar on the topic 'Recent Developments in Power Sector'

The department conducted a one day Workshop on the topic 'Microgrid tie Inverter' on 12th April 2022 through virtual mode. Mr.N.Sujith, Technical Assistant, TNEB, an alumnus of our college was the resource person.



Workshop on 'Microgrid tie Inverter'

The department conducted an IEEE Seminar on the topic 'FACTS' on 25th April 2022 through virtual mode. Mr.S.Harish Kumar, Junior Engineer, TANGEDCO, an alumnus of our college was the resource person.



IEEE Seminar on 'FACTS'

The department conducted a Value Added Course on the topic 'Implementation of Digital logic and Analog circuits using Pspice' on 7th and 14th May 2022 through virtual mode. Ms.S.Vanila, Assistant Professor (Sel.G) and Ms.P.Bency, Assistant Professor (O.G) handled the sessions.

The second year students of EEE department went on an industrial visit to 400/230 KV Power Corporation of India Ltd, Sriperumbudur on 13th May 2022.



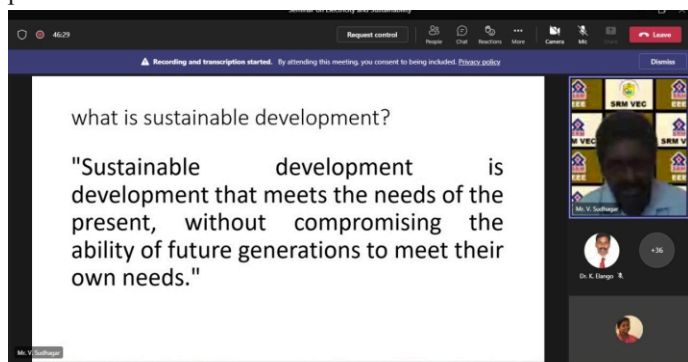
Industrial visit to 400/230 KV Power Corporation of India Ltd

The third year students of EEE department went on an industrial visit to V Equal IR T&C Service, Chennai on 13th May 2022.



Industrial visit to V Equal IR T&C Service, Chennai

The department conducted a Seminar on the topic 'Electricity and Sustainability' on 25th April 2022 through virtual mode. Mr.V.Sudhagar, Assistant Professor (Sr.G) was the resource person.



Seminar on the topic 'Electricity and Sustainability'

The department conducted a Staff Development Programme on the topic 'Electrical Hazards and Electrical Safety Awareness' on 29th June 2022 through virtual mode. Mr.S.Nandha Kumar, Senior Engineer, India Japan Lighting, Chennai was the resource person.



SDP on 'Electrical Hazards and Electrical Safety Awareness'

The department conducted a six-day Faculty Development Programme for the subjects 'Analog Electronics, Power System Analysis and High Voltage Engineering' from 27th June 2022 to 02nd July 2022. The sessions were handled by six external and nine internal faculties.



FDP on 'Analog Electronics, Power System Analysis and High Voltage Engineering'

Dr. K.Elango, Professor & Head published a paper on 'Influences Of Cryogenically Treated Work Material On Near-Dry Wire-Cut Electrical Discharge Machining Process', Surf. Topography. Metrology and Properties. Vol.10, 2022.

Dr. K.Elango, Professor & Head published a paper on 'Multiobjective Optimization Model for Renewable Energy Sources and Load Demands Uncertainty Consideration for Optimal Design of Hybrid Combined Cooling, Heating, And Power Systems', International Journal of Energy Research, 2022.

Dr. K.Elango, Professor & Head published a paper on 'A Novel Strategy For Implementation Of Intelligent Techniques In Solar Photovoltaic Arrays To Improve The Performance And Various Comparison Of Partial Shading Mitigating Techniques', Energy Sources, Part A: Recovery, Utilization and Environmental Effects, Vol. 44, No 2, 2022.

B. Mathi Bharathi and Dr. K.Elango, Professor & Head published a paper on 'Improving Voltage Stability of IEEE 14 Bus System Using Statcom', Design Engineering, No. 8, 2021.

Sathya Narayanan S, Raghul R, Suryaprakash S and Dr.K.Elango, Professor & Head published a paper on 'A Cloud Based Energy and Frequency Monitoring System Using IOT for Theft Detection and Forecasting', International Journal of Creative Research Thoughts, Vol. 10, No. 5, May 2022.

Rajeshwari G P, Prathick Vasan G, Ramanarayanan C and Dr.K.Elango, Professor & Head published a paper on 'Boat Detection and Tracking using RSSI Signal in a Device-free Environment', International Journal for Research in Applied Science & Engineering Technology, Vol. 10, No. 5, May 2022.

Roshini V S, Ramanujam V, Udhaya V and Dr.R.Karthik, Associate Professor published a paper on 'IOT Based Evaluation of Internal Fault Detection in Transformer Using V-I Characteristics', International Journal of Research Publication and Reviews, Vol 3, No 5, 2022.

S.Keerthana, G.Shamini, S.Ugenthar and Dr.R.Arivalahan, Associate Professor published a paper on 'Design and Implementation of Autonomous Fire Fighting Robot and Monitoring through Raspberry Pi Controller', International Journal of Advanced Research in Electrical, Electronics and Instrumentation, Vol.11, No.4, 2022.

Dr.Madhusudan Gurusamy, Assistant Professor (Sel.G) published a paper on 'Single Stage Power Control Strategy for Nanogrid Connected Solar PV System', Distributed Generation & Alternative Energy Journal, Vol.37, 2022.

Sri Ganesh R, Yogalakshmi, G, Deepak Antony A and Dr.Madhusudan Gurusamy,A, Assistant Professor(Sel.G) published a paper on 'Electrical Energy Harvester from Piezoelectric tiles on Asphalt Roads and Pavemented',

Dr.S.Malathi, Assistant Professor (Sel.G) and Dr. K.Elango / Professor & Head published a paper on 'Enhancing Power in a Grid-Connected System Using Unified Power Quality Conditioner with Black Widow Optimization-Based Floating Photovoltaic System', International Journal of Energy Research. DOI:10.1002/er.7367

Dr.S.Malathi, Assistant Professor (Sel.G), K. Jaya Prasanna, D.Gowtham, V.Gowtham, published a paper 'Enhancement of Power Factor with PSO Algorithm Using Arduino as a Low-Cost Solution', International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol.11, No.4, 2022.

K.V.Poornesh, K.Subasri, P.Vignesh and Ms.S.Vanila, Assistant Professor(Sel.Gr) published a paper on 'On-road Dynamic charging System with Wireless Power Transfer Technology for Electric Vehicles', International Advanced Research Journal in Science Engineering and Technology, Vol.9, No.4, 2022.

R.Srikrishna, A.Naveen, P.Arivalagan and Mr.S.Padmanabha Iyappan, Assistant Professor (Sr.G) published a paper on 'Solar Powered LED Street Light with Auto Intensity Control', International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol.11, No.4, 2022.

Yerrababu Gari Abdul Shahid and Mr.V.Sudhagar Assistant Professor (Sr.G) published a paper on 'A High Gain LUO Converter with ANFIS Controller for Battery Connected System', Design Engineering, No. 8, 2021.

Janaki Nachiyar.G, Kandeepan Mangalam.M, Mohammed Mujahid.L.H and Mr.V.Sudhagar Assistant Professor (Sr.G) published a paper on 'A Novel Flexible DC-DC Flyback Converter for Hybrid Viable Energy System', International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 11, No 4, 2022.

A.S.Abdul Raqeeb, M.Aravind, S.Bhuvanesh and Dr.T.Santhoshkumar, Assistant Professor (Sr.G)) published a paper on 'Single Phase Transformless Inverter for Grid-Connected Photovoltaic System', International Journal of Research and Analytical Reviews, Vol 9, No 2, 2022.

R Selva Karthikeyan, S.Yuvaraj, M.Prakash and Mr.S.Balaji, Assistant Professor(OG) published a paper on 'Smart Parking with Wireless Charging for Electric-Vehicle', International Journal of Advances in Engineering and Management, Vol 4, No 5, 2022.

Unnimaya, G, Soniya, S.Vignesh and Ms.R.V.Preetha, Assistant Professor(OG) published a paper on 'Automated Voice Activated Wheelchair Collision Control using Ultrasonic Sensor', International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol 11, No 4, 2022.

Unnimaya. G, Soniya, S.Vignesh and Ms.R.V.Preetha Assistant Professor(OG) published a paper on 'Pre-Programmed Voice Controlled Push chair Obstacle Avoidance using Ultrasonic Sensor', International Journal of Innovative Research in Science, Engineering and Technology, Vol 11, Issue 5, 2022.

Jagadeesan D, Dheenadayalan J, Suhash V and Mr.P. Tamil Arasan, Assistant Professor(OG) published a paper on 'Power Factor Preregulation In Interleaved Luo Converter-Fed Electric Vehicle Battery Charger', International Journal of Engineering Development and Research, Vol.10, No.2, 2022.

Liney Ajay J, Dhananjayan SP, Gowtham V and Mr.S.Venkatesh, Assistant Professor(OG) published a paper on 'Renewable Energy Source Based Hybrid Power Plant for Electric Vehicle(EV) Charging Station in Rural Area', International

Ms.R.Elavarsi, Assistant Professor (OG), Vaiyavan T, Santhoshraj R and Kishor K published a paper on 'Soft-Switching High Static Gain Modified SEPIC Converter', International Journal of Progressive Research in Science and Engineering, Vol 3, No 5, 2022.

K. Mugunthan, M. Elavarasan, P. Kishore Kannan and Ms.A.Divya, Assistant professor(O.G) published a paper on, 'Multimode Operation of Bidirectional Wireless Electric Vehicle Charging Station', A Journal of Composition Theory, Vol.15, No.5, 2022.

Dr.R.Karthik, Associate Professor has been elevated to the grade of IEEE Senior member.

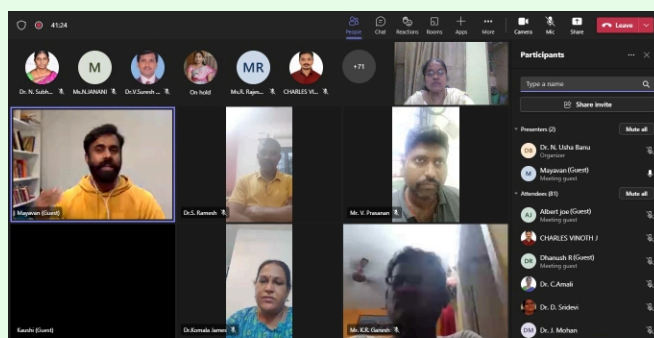
STUDENT AFFAIRS CELL

The Student Affairs Cell of SRM Valliammai Engineering College organized a webinar on Deakin University Vice Chancellor's Meritorious 100% Scholarships 2022 on 11th May 2022 in coordination with Education Matters, An Overseas Education Consultancy Company. Ms. Priyanka Singh, Head Recruitment and Mr. Basab Choudhury, Deputy Head Recruitment & Business Development delivered a presentation in online mode for career guidance and application procedure for applying Meritorious scholarship in Deakin University, Australia. They briefly explained the eligibility requirements and the scholarship details for the higher education in Deakin University, Australia to the students.



Webinar on Deakin University Vice Chancellor's Meritorious 100% Scholarships 2022

The Student Affairs Cell of SRM Valliammai Engineering College in Association with 1 (TN) CTC NCC Army of SRMVEC conducted webinar on Yoga asanas and the mind on International Yoga Day for the benefit of students and faculty of all departments on 21st June 2022, 6 PM in online platform MS-Teams. The resource person for the webinar was Yoga Siromani. Mayavan.A, Yogasalai, Toronto, Canada. The resource person explained the benefits of yoga and related them with the treatment of several diseases and discussed the health benefits of few yoga asanas to the participants. He interacted with the participants and provided options to address and overcome the impacts of stress for healthy lifestyle management by practicing yoga asanas.



Webinar on Yoga asanas and the mind on International Yoga Day

Department of Computer Science & Engineering

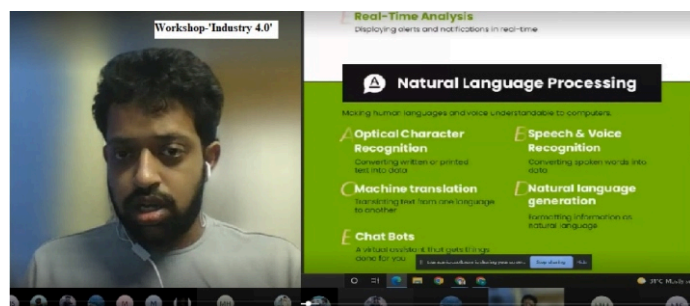
Dr.C.Pabitha and Dr.B.Vanathi published a paper on 'Deep learning based severity grading for skin related issues' in AIP Conference Proc.2463,020041-1-021141-9. DOI:10.1063/5.0080213.

Dr.M.SenthilKumar received the 'ISTE- Periyar Award' for Best Engineering College Teacher 2021.



'ISTE- Periyar Award' for Best Engineering College Teacher 2021

A Workshop was conducted on 'Industry 4.0' in association with Computer Society of India, ISTE and Institutions Innovation Council, held on 6th April 2022 through online mode. The Resource person was Mr. NibiMauriyan (alumni), lead product architect, Nvidia Jetson AI specialist. 40 students participated in this event.



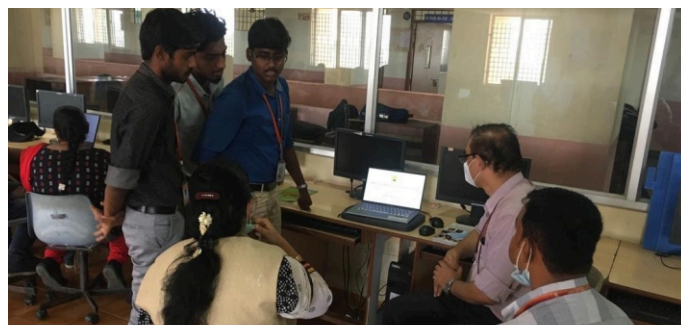
Workshop on 'Industry 4.0'

A Workshop was conducted on 'Patent Drafting' in association with Computer Society of India, ISTE and Institutions Innovation Council, held on 6th April 2022 through online mode. The Resource person was Dr. R. Rajkumar, Assistant Professor, Department of Data Science and Business System, SRMIST. Kattankulathur. 55 students participated in this event.



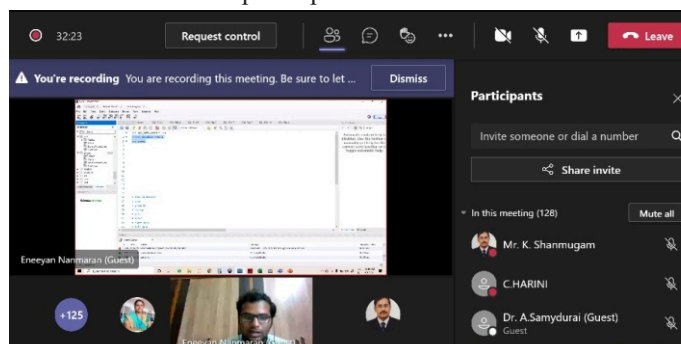
Workshop on 'Patent Drafting'

A Session was conducted on 'Prototype Validation Converting Prototype into start-up' in association with Computer Society of India, ISTE and Institutions Innovation Council, held on 22nd April 2022 through off-line mode. 16 teams from CSE departments participated in the event and showcased their prototype. Dr. V. Dhanakoti, Dr. L. Karthikeyan, Mrs.S.Shanthi and Mr. Sudharsanam, were invited as chief guests for evaluating and validating the prototypes.



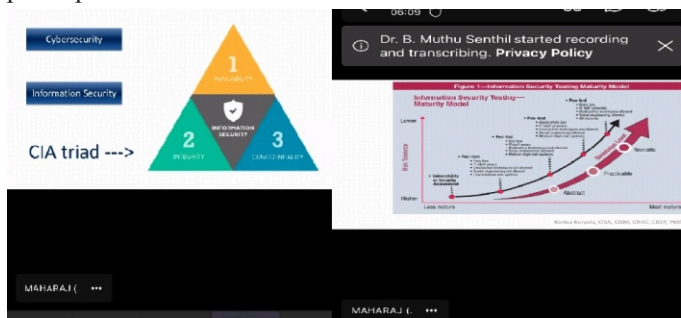
Prototype Validation Session was conducted on 'Prototype Validation Converting Prototype into start-up'

A Workshop was conducted on 'SQL for Data Science' in association with Computer Society of India, ISTE and Institutions Innovation Council, held on 5th June 2022 through online mode. The Resource person was Mr.N.Eneeyan Nanmaran, World record holder, Honorary Doctorate by the DIOCESE OF ASIA, Assistant Manager, Great Learning, Chennai. 147 students participated in this event.



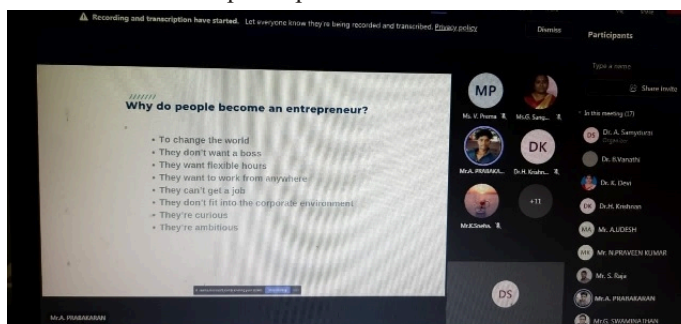
Workshop on 'SQL for Data Science'

A Workshop was conducted on 'Vulnerability Assessment and Penetration Testing' in association with Computer Society of India, ISTE and Institutions Innovation Council, held on 13th April 2022 through online mode. The Resource person was Mr.M.Maharaj, CEO, JOSH Technologies, UAE. 45 students participated in this event.



Workshop on 'Vulnerability Assessment and Penetration Testing'

A Workshop was conducted on 'How to plan startup and successful startup founder' in association with Computer Society of India, ISTE and Institutions Innovation Council, held on 16th April 2022 through online mode. The Resource person was Mr.A.Prabakaran, FOSSFREAKS (P) Ltd., Founder and Director. 38 students participated in this event.

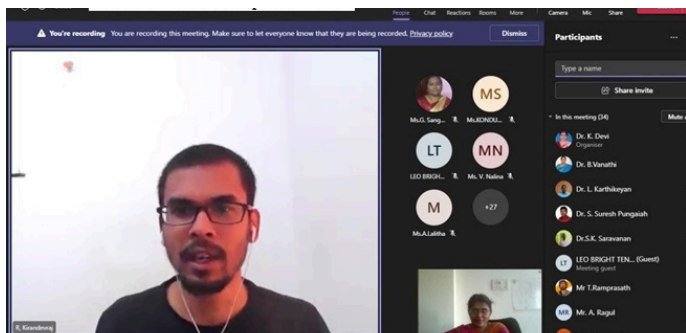


Workshop on 'How to plan startup and successful startup founder'

A Workshop was conducted on 'Building an Innovation /Product fit for market' in association with Computer Society of India, ISTE and Institutions Innovation Council, held on 23rd April 2022 through online mode. The Resource person was Ms.Subhashri Mohan, Programme Analyst, Cognizant and Ms. Sriaparna Sivaraman Machine Learning Technical Staff, Zoho Corporation.43 students participated in this event.



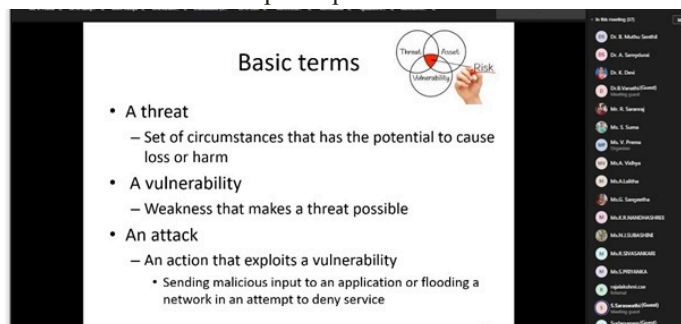
A seminar was conducted on 'Opportunities and Challenges in SAAS Industry', on 23rd May 2022 through offline mode. The Resource person was Mr. P. Muthu Ganapathy Nathan (Member Technical Staff, ZOHO, 2013 alumni). 5 staff members and 26 students participated in this event.



Seminar on 'Opportunities and Challenges in SAAS Industry'

The Department of CSE and Cyber Security, in association with CSI Student Branch organized a five-day FDP on 'Ethical Hacking Lab' for the staff members from 20th June 2022 to 24th June 2022 through offline mode. The resource person was Mr.S.Ram Sundar, Director, HebeSec Technologies Chennai.

The Department of CSE and Cyber Security, in association with CSI Student Branch, ISTE, IIC and Ditto Security organized a five-day FDP on 'Ethical Hacking Lab' for the staff members from 6th June 2022 to 10th June 2022 through offline mode. The resource person was Dr.S.Saraswathi, Associate Professor, Department of CSE, SSN and Dr.G.Nalinipriya, Professor Department of IT, Saveetha Engineering College. 22 internal and 7 external staff members participated in this event.



FDP on 'Ethical Hacking Lab'

The Project Expo-2K22, in association with the CSI Student Branch, ISTE and IIC was conducted on 5th May 2022 for the Civil, CSE, ECE, EEE, EIE, IT, MECH students. There were 60 participants. There were 22 projects exhibited by these students.



Project Expo-2K22

The committee members were Dr.H.Krishnan, HOD / Physics, Dr. L. Devaraj Stephen, HOD/ Chemistry, Dr. R. Karthick, Associate Professor/EEE and Heads of the Department of respective departments.

SPORTS



Ms.K.Jyothi, II-ECE, represented to Telangana State Basketball Senior Women team and won the Silver medal 71st Senior National Basketball Championship 2022 held at Hindustan IST, Chennai from 03rd to 10th April 2022.

Mr.B.V.Asswanth, II-EIE, won First Place with a cash award and a gold coin in Tamil Nadu Open State Badminton Men Singles Tournament on 09th & 10th April 2022.



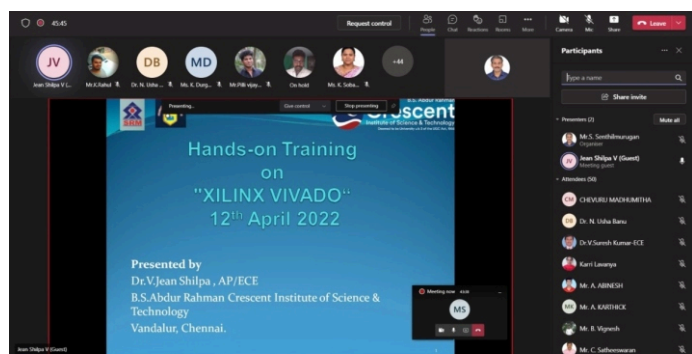
The college team won a Gold medal in the Inter Engineering College Anna Trophy Ball Badminton Men and Women Tournament organized by CEG Anna University campus from 30th April to 01st May 2022.



Ms.Ch.Dhanalakshimi III-ECE, Ms.M.Swetha II-ECE, K.Thanuja II-ECE and Ms. P.Bhavani II-ECE, represented the Andhra Pradesh State Ball Badminton team and won the Fourth place in National Federation Cup Ball Badminton Championship held at Alwas Foundation, Karnataka from 13th to 16th May 2022.

Department of Electronics & Communication Engineering

The Department of ECE conducted a 'Hands-on Training on Xilinx Vivado' for ECE students on 12th April 2022 via online mode (Microsoft Teams) in association with IIC, ISTE, IETE student's forum & SRM VEC CSI student branch. The welcome address was given by Ms. K. Durgadevi, Assistant Professor (O.G). The speaker Dr. V. Jean Shilpa, Assistant Professor-ECE, B.S. Abdur Rahman Institute of Science and Technology, Chennai, delivered a presentation on 'Xilinx Vivado'. Students enlightened about the possible requirement of the software and its tools for understanding and analyzing of hardware description language (HDL) designs. This session also focused on discussion about various applications of software. About 86 participants participated in that workshop. The students interacted and their doubts were clarified by the resource person. This workshop is useful for all faculty members and students which can be used for carrying out laboratory classes and several student projects. The programme was concluded with vote of thanks given by Mr.S.Senthilmurugan, Assistant Professor (Sel.G) under the guidance of Dr. Komala James, Professor & Head of the ECE.



'Hands-on Training on Xilinx Vivado'

The Department of ECE arranged an Industrial visit for the third year ECE-1 students, 44 in number accompanied by two faculties, Mrs. K. Durgadevi, AP/ECE and Mr. S. Sevagan, AP/ECE. They visited Shiv Prema Industries Private Limited, Chennai on 21st April 2022. Mr. Raghul Shivakumar, Managing Director of Shiv Prema Industries Private Limited explained briefly about the industry and the kind of production going on there. The students got the opportunity to see and to handle all the instruments that are used to fabricate 3D structures. The instruments include 3D Proto Modelling, FDM, SLA, SLS, DMLS, Injection Molding, Vacuum Casting and Miniature Scale Modelling. It was very helpful for the students to explore the various applications in the field of 3D printing. This enabled them to visualize the subjects like Electronics Circuits, Microprocessor and Microcontroller, VLSI Design in efficient manner and very useful to explain the real time applications.



Industrial visit for the third year ECE-1 students

MoU with SRM Institutes for Medical Science (SIMS)



Press Meet Announcement of the MoU with SRM Institutes for Medical Science (SIMS), Chennai- Academia Industry Collaboration was held on 21st April 2022.

The II year ECE, section-1 students, totally 46 in number, accompanied by Mr. D. Murugesan, AP(Sel.G) /ECE and Ms. V.P. Sandhya, AP (Sr.G) / MDE went on an Industrial Visit to 'Green Pearl Electronics Pvt Ltd', East Potheri, Chennai on 22nd April 2022. A brief introduction given about the company at Green Pearl Electronics Pvt Ltd. The Green Pearl Electronics Pvt Ltd is an SRM Group of Company. There they are working with EMS, LED Lightings, Power Systems and Solar Products. For our students they have explained the PCB designing, LED lightings and Solar Products. The students were separated into two groups. One set of students were taken into PCB designing section. There they have explained about the Surface Mount Technology (SMT) & Through Hole Technology (THT). The SMT is the first processing and THT is the second processing, where the electronic components are to be placed. Another set of students were then taken into LED lighting manufacturing section. There they have explained about the various applications of LED lights such as Commercial lighting, Industrial lighting, Home lighting, Highways lighting, Decorative lighting, Warehouse lighting, Cold storage lighting and Healthcare lighting. Here they gave the awareness of power consumption and energy saving. The Industrial Visit helped the students to explore the various applications in the Electronics.



Industrial Visit to 'Green Pearl Electronics Pvt Ltd'

II Year Medical Electronics students strength of 12 in number went on an Industrial Visit to 'RLT Instrumentation Pvt., Ltd.' Athur, Chengalpet on 23rd April 2022, Saturday. The students were accompanied by Dr.S.Ramesh, Associate Professor, Department of ECE. The Industrial Visit was very useful for the II Year Medical Electronics students for enhancing their knowledge in the Control Systems Engineering subject.



Industrial Visit to "RLT Instrumentation Pvt., Ltd.,"

The Department of ECE of SRM Valliammai Engineering College organized National Conference on 'Emerging Trends in Communication Engineering, Computing Systems and Applications' (ETCECSA 2022), on 27th April 2022 through online platform MS-Teams. The National Conference was convened and welcome address was delivered by Dr. Komala James, Professor & Head of the Department of ECE, SRM VEC. The presidential address was given by Dr. B. Chidhambararajan, Director, SRM VEC. He welcomed the chief guest and conveyed his wishes for the conduct of the conference. Dr. M. Murugan, Prof. & Principal, SRM VEC, delivered the special address for the conference. Dr. S. Ramesh, Associate Professor, Dept of ECE, Co- Convener of the conference introduced the chief guest Dr. Siva G Subramanian, Associate Vice President Head of Data & Analytics, Searce Incorporate, UK. He gave the inaugural address and spoke about Emerging Trends in Communication Engineering and Industries to the participants. The chief guest and dignitaries released the e-Proceedings of the National Conference ETECCSA'2022. The inauguration session was ended with vote of thanks by the co- convener Dr. N. Usha Bhanu, Professor, Dept of ECE. The technical session was conducted with 11 accepted technical papers in recent research domain. Around 37 authors contributed their research work and presentation to the participants.



National Conference on 'Emerging Trends in Communication Engineering, Computing Systems and Applications' (ETCECSA 2022)

The II Year ECE 2 students went for an Observational Visit to 'Vendhar TV' Chennai on 12th May 2022, Thursday. The students were accompanied by Mr. S. Senthilmurugan, Assistant Professor



Observational Visit to 'Vendhar TV' Chennai

(Sel.G), and Dr.S.R.Preethi, Assistant Professor (O.G), Department of ECE. The students were explained about the concepts which are used for broadcasting. They were taken to the Master Control Room, News Desk and various control rooms in Vendhar TV. The Observational Visit was very useful for the II Year ECE 2 students for enhancing their knowledge in the Communication Theory subject.

The IV Year ECE 2 students went for an Industrial Visit to 'Hatsun Agro Products Ltd.,' Chennai on 12th May 2022, Thursday. The students were accompanied by Ms. K. Arthi, Assistant Professor (O.G), and Mr. Charles Vinoth.J, Assistant Professor (O.G), Department of ECE. The students were briefed about the concepts which are used for manufacturing the milk products by Hatsun and hygienical usage of dairy products. They were taken to the production unit, storage unit and were briefed about their products like Arun Ice Cream, Ibaco, etc., The Industrial visit was very useful and informative for the IV Year ECE 2 students for enhancing their knowledge.



Industrial Visit to 'Hatsun Agro Products Ltd.,' Chennai

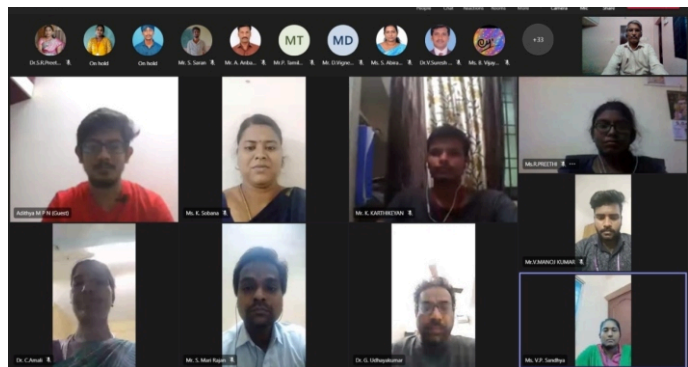
The III Year ECE 2 students went for an Industrial Visit to 'BSNL RGMTC', Meenambakkam, Chennai on 13th May 2022. The students were accompanied by Mr.C.Saravanakumar, Assistant Professor (Sel.G) and Ms.K.Sobana, Assistant Professor (O.G), Department of ECE. The students were briefed about the concepts related to LAN, MAN, various protocols, serial processing, parallel processing, etc., The Industrial visit was very useful and informative for the III Year ECE 2 students for enhancing their knowledge about Wireless Network.



Industrial Visit to 'BSNL RGMTC', Meenambakkam, Chennai

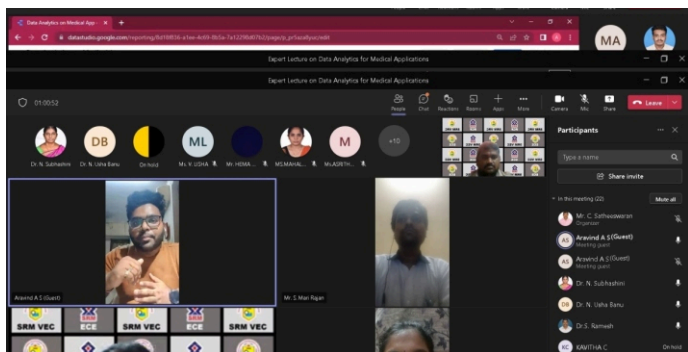
The Department of Electronics and Communication Engineering and Medical Electronics conducted a Webinar on 'Prototype Validation Converting Prototype into Start-Up' for ECE students on 13th May 2022 via online mode (Microsoft Teams) in association with IIC, ISTE, IETE student's forum and SRM VEC CSI student branch. The welcome address was given by Ms. Sandhya V.P, Assistant Professor (Sr.G). The speaker Mr.Adithya M.P.N, an Entrepreneur, Memo Apps-Co-Founder Chennai, delivered the presentation on 'Prototype Validation Converting Prototype into Start-Up'. The students acquired knowledge about market strategy, market research and about building a prototype with core features. This session also focused

on discussion about various iterative methods to be adopted in converting a prototype into Start-Up. About 65 participants participated in this webinar. The students interacted with the resource person and clarified their doubts. This webinar was found to be useful for all the students to enhance their knowledge in developing new prototypes and to become a successful entrepreneur. The programme concluded with vote of thanks given by Mr. S. Senthilmurugan, Assistant Professor (Sel.G) under the guidance of Dr. Komala James, Professor & Head of the ECE.



Webinar on 'Prototype Validation Converting Prototype into Start-Up'

The Department of Electronics and Communication Engineering conducted an Expert Lecture on 'Data Analytics for Medical Applications' in association with ISTE, IIC, IETE Students forum and CSI Student branch for the students to gain knowledge in various Data Analytics techniques on 16th May 2022. The invited speaker, Mr. A. S. Aravind, Data Analyst, WEGoT Solutions, delivered a speech about the data analysis methods and techniques in medical fields. He demonstrated how data analysis may be employed to investigate and test health data. He also showed how to analyze and interpret data from multiple representations using google data studio, with a real time example of a COVID dataset. This seminar helped the students to gain better knowledge about recent breakthroughs and the use of health analytical tools in medical applications to help them in making better decisions. Ms. K. Arthi, Assistant Professor (O.G) and Mr. Satheeswaran.C, Assistant Professor (O.G) coordinated the event successfully with the guidance of Dr. Komala James, Professor & Head.



Expert Lecture on 'Data Analytics for Medical Applications'

The Department of ECE arranged a Industrial visit for the II year ECE 3 students, who were accompanied by 2 staff members Mr. M. Selvaraj, AP (O. G) and Ms. C. Kavitha, AP (O.G) went on a visit to 'Regional Meteorology Centre', Nungambakkam, Chennai on 26th May 2022. The students reported to Regional Meteorology Centre at 2.00 P.M. They were taken to the conference hall by the Staff in Charge Dr. Geetha, where she gave a brief introduction about the functions and work carried out by the center. Then a maintenance engineer guided the students around the instruments that are used to collect and process data. He explained the working of Anemometer, hydrometer, Rain Gauge, an Automated data collecting setup. The students visited the observatory and got an exposure to the daily measurements of

ambient temperature, wind velocity, directions and rainfall. The students also learnt about satellite communication and its role in weather monitoring, forecasting, and reporting in India. It was an informative, interesting and a successful visit where they learnt the application of electronic devices and importance of communication.



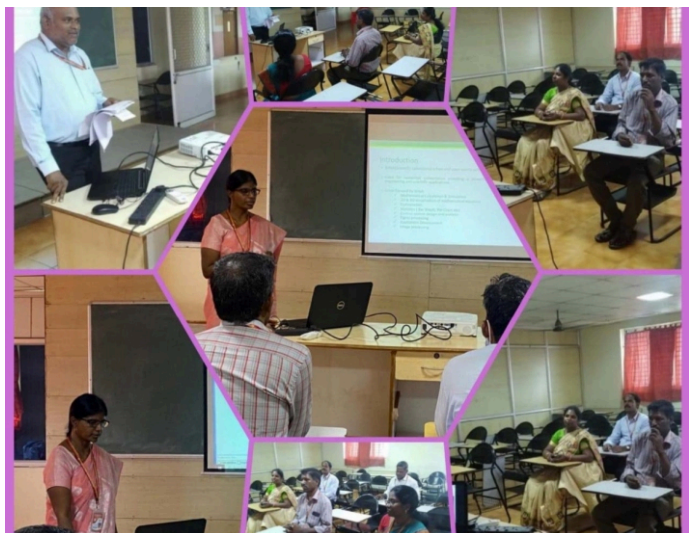
Visit to 'Regional Meteorology Centre'

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 'Analog Electronics and Signal Processing for Wireless Communication' from 6th June to 10th June 2022. The topics focused in the faculty development programme were Analog Electronics, Discrete Time Signal Processing and Wireless Communication in order to facilitate the need for 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 was 27 faculty members. The programme was inaugurated by Dr. Komala James, Professor & Head who delivered the welcome address to the participants and shared her views on the importance of faculty development programme. The coordinators of the faculty development programme, Dr. C. Amali, Assistant Professor (Sel.G), and Ms. S. Abirami, Assistant Professor (O.G) welcomed the participants and highlighted the objective of the programme. Dr.M.Kanthimathi, Associate Professor/ECE, Sri Sai Ram Engineering College, Chennai, handled a session on Path loss models and Link Budget Design. Dr. S. Chitra, Professor/ECE, Rajalakshmi Engineering College, Chennai, delivered a lecture on the title 'Multipath Mitigation Techniques'. Mr.N.Kanniyappan, Assistant Professor, Jerusalem College of Engineering, briefed the concepts of Finite Impulse Response Filter design with numerical problems. Dr.N. Subhashini, Assistant Professor (Sel.G)/ECE, Dr. C. Amali, Assistant Professor (Sel.G)/ECE, Mr. S. Senthilmurugan, Assistant Professor (Sel.G)/ECE, Dr. S. C. Prasanna, Assistant Professor (Sel.G)/MDE, Mr. A. Pandian, Assistant Professor (Sr.G)/ECE, Dr. R. Dhanush, Assistant Professor (Sr.G)/MDE and Mr.C.Satheeswaran Assistant Professor (O.G)/MDE handled various sessions in the Faculty Development Programme.



FDP on the 'Analog Electronics and Signal Processing for Wireless Communication'

The Department of ECE conducted a one-day Skill Development Programme (SDP) for our Non-teaching staff members on 24th June 2022. Dr. N. Subhashini, Assistant Professor (Sel.G), Department of ECE, SRM Valliammai Engineering College, delivered a lecture on 'Scientific Laboratory (SCILAB)'. The Programme was coordinated by Dr.J.Mohan, Asso Professor/MDE. The presentation on SciLab focused on the following points, Installing Scilab, software. Application and Importance of SciLab, Comparison Between MATLAB and SciLab, Syntax and functions used in SciLab, Execution and demonstration of Simple Program, How to use XTOS block based simulation. The session was very motivating and beneficial to all those who attended the program. 8 Staff members from various departments attended the Skill Development Programme and learnt the SciLab software.



A one-day Skill Development Programme (SDP)

The 'An Automatic Emergency Ventilator for Covid Patients' project undertaken by the Final year students Mr. Surendhar. A, Ms. Sushma. R, Mr. Vennmughil Vannan. R and Ms. Yobhishiya Stefi was approved to obtain financial assistance from our institution on 20th April 2022 under the supervision of Dr. N. Usha Bhanu/ Professor.

Dr. S. Ramesh/ Asso Prof received the ISTE Best Chapter Award 2021 from ISTE Tamil Nadu Section in the inaugural function of ISTE Tamil Nadu Section 24th Annual Engineering Staff Convention at Kalasalingam Academy of Research and Education, Krishnankoil on 22nd April 2022.

Dr. C. Amali/ Assistant Professor (Sel.G) presented a research paper titled on 'Design and Implementation of CPW fed MLDA Antenna for wireless personal area networks' and was awarded as 'Best Paper' in the International Conference on 'Power of Artificial Intelligence and Machine Learning for Human Empowerment IETE CHENCON 2022' organized by Sri Venkateswara College of Engineering, Chennai on 20th & 21st May 2022.

Ms. K. Durgadevi, Assistant Professor (O.G) attended a one week Faculty Development Programme titled 'Machine learning and optimization techniques using MATLAB' from 23rd to 28th May 2022 organized by SRM Institute of Science and Technology, Vadapalani, Chennai.

Dr. S. Ramesh, Associate Professor published a paper titled 'Joint CFO and channel estimation using pilot aided interpolation for high performance MIMO-OFDM' in the Taylor & Francis- International Journal of Electronics in the month of June 2022. (SCI, ISSN No.: 1362-3060, IF:: 1.336)

Dr. N. Subhashini, Assistant Professor (Sel.G), Dr. C. Amali/ Assistant Professor (Sel.G), Mr. S. Senthilmurugan, Assistant Professor (Sel.G) and Mr. A. Pandian/ Assistant Professor (Sr.G)

delivered lectures in the FDP titled on 'Analog Electronics and Signal Processing for Wireless Communication' organized by Department of ECE, SRM Valliammai Engineering College from 6th June to 10th June 2022.

Dr. S. C. Prasanna, Assistant Professor (Sel.G), Dr.R.Dhanush, Assistant Professor (Sr.G), Mr. C. Satheswaran Assistant Professor (O.G) Department of MDE delivered the lectures in the FDP titled 'Analog Electronics and Signal Processing for Wireless Communication' organized by Department of ECE, SRM Valliammai Engineering College from 6th June to 10th June 2022.

Dr. N. Subhashini, Assistant Professor (Sel.G) delivered a lecture on 'Scientific Laboratory' (SCILAB) in the Skill Development Programme organized by Department of ECE, SRM Valliammai Engineering College on 24th June 2022.

Dr. C. Amali/ Assistant Professor (Sel.G) received the 'Innovative Researcher & Dedicated, Excellent Academician Award' from the society of Innovative Educationalist & Scientific Research Professional, Chennai on 26th June 2022.

Ms. K. Thanuja, Ms. M. Swetha, Ms. P. Bavani, Ms. Challa Dhanalakshmi, Ms. Karri Lavanya and Ms. Chevuru Madhumitha participated in the 'Tamil Nadu State level Inter College Ball Badminton Women Tournament' held at Walter Scaldar Hr.Sec School, Tindivanam on 9th & 10th April 2022.

Ms. K. Jyothi, II ECE student won the silver medal in 71st Senior National Basketball Championship 2022 on 11th April 2022.

Mr. Sankar Babu, Mr. Sivasakthi, Mr. Chandru, Mr.Balayogesh, Mr. Prashanth, Mr. Rajagopalan, Mr. Sakthiraj and Mr. Kiranraj, final year ECE students won the first prize for 'Bhavaanai Paazhaghu' drama competition organized by Tamil Mandram, MIT Campus, Chrompet Chennai on 1st May 2022.

Mr. Sankar Babu and Mr. Sakthi Raj, final year ECE students won the second prize in the competition 'Solloodu Vilayaadu' organized by Tamil Mandram, MIT Campus, Chrompet Chennai on 1st May 2022.

Mr. Sankar Babu, final year ECE student won the second prize for the Speech competition organized by Tamil Mandram, MIT Campus, Chrompet Chennai on 1st May 2022.

Mr. Balayogesh and Ms. Saadhana, final year ECE students won the first prize for Dance Competition (Oyilattam) organized by Tamil Mandram, MIT Campus, Chrompet Chennai on 1st May 2022.

Mr. Sankar Babu, final year ECE student has been crowned the runner of Tamil Elocution at Blacksheep's college DON 2022- Tamil Nadu's biggest Inter College Cultural Extravaganza, held at Sairam Engineering College on 4th & 5th May 2022.

Mr. Sankar Babu, final year ECE student won the first prize Rs.5000/- at the District level Speech Competition held at Chengalpet on the occasion of the Muthamizh Arignar Kalaigarnar's Birth Day organized by Tamil Development department, Tamilnadu on 3rd June 2022.

Science & Humanities

An interactive session on 'Successful start-up founder Entrepreneurs in Campus' was organized in association with IIC, ISTE, IQAC, Euler.com, Eclectic Lingua and Physical Sciences Club on 27th May 2022 for the benefit of the students, research scholars and academicians. The resource person for the session was Ms.Varshini Devaraaq, an SRMVEC alumnus, presently working in Accenture India Pvt Ltd.

Computer Society of India (CSI)

The SRM Valliammai Engineering College Computer Society of India Student Branch organized the 'Present-O-Ache' event. In that, more than 10 students participated. The event was conducted on 3rd April 2022. 5 topics were given to the participants to prepare for the presentation and were asked to submit their ppt in the google form. Participants had to join the meeting to present and explain their PPT.

SRM VALLIAMMAI ENGINEERING COLLEGE
(An Autonomous Institution)
Approved by AICTE | Affiliated to Anna University | Accredited by NBA
'A' Grade Accreditation by NAAC | ISO 9001:2015 CERTIFIED

SRM VEC CSI-STUDENT BRANCH PRESENTS

PRESENT - O - ACHE

LAST DATE FOR REGISTRATION: 2nd APRIL 2022

TOPICS:
1. Cryptocurrency
2. Big Data
3. Virtual Reality
4. 3D Printing
5. Selenium

EVENT DATE: 3rd APRIL 2022

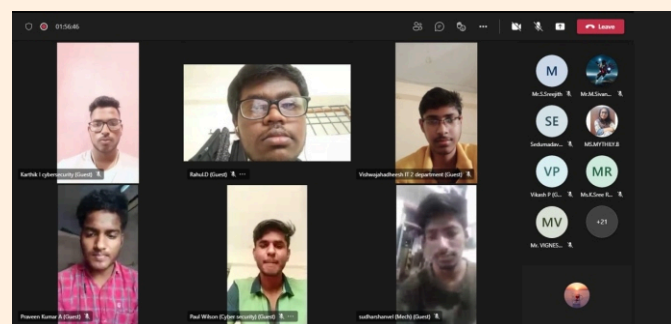
For Further Details:
Karthik J - 8072751966
Harshika K - 9344429966
Sneha K - 9150996806
Sneha K - 7358295423

E- CERTIFICATE WILL BE PROVIDED!!! <https://tinyurl.com/present-o-ache>

The winners of the event: (1) Jeevashree Francis Xavier Engineering College, (2) Lingeshwaran SRM Valliammai Engineering College & (3) Shravanikoona Sri Indu College of Engineering and Technology.

The SRM Valliammai Engineering College Computer Society of India Student Branch organized 'Quiz Tarrant' event. In that, more than 350 students from various colleges participated. The event was conducted on 8th May 2022. The event had only one round in which the questions of Quiz were given to the participants in Google form. Each participant was given one hour time to answer 30 questions.

The Winners of the event : (1) Siva M - St.Joseph Institute Of Technology, (2) Sai Mounish.P - SRM Valliammai Engineering College & (3) Vishnu Priyan M K - K.S.Rangasamy College of Technology.



The CSI SRMVEC Student Branch in association with Computer Society of India Kancheepuram Chapter organized the '3rd CSI State Level Student Convention - 2k22' held on 18th May 2022 at SRM Valliammai Engineering College. There were 275 participants from various colleges around the state. The

event started with the Welcome Address by Dr.B.Chidhambararajan, Director, SRM VEC.



Then the 3rd CSI State Level Student Convention was inaugurated by lighting the lamp after which Dr. S.K. Saravanan, Hon. Secretary, CSI - KPM gave a glimpse about the CSI-KPM Chapter. Dr.M.Murugan, Principal, SRM VEC, delivered the presidential address. Ms.S.Sneha, President of SRM VEC CSI Student Branch explained the CSI Convention and events. Mr.S.Sreejith, Secretary of SRM VEC CSI Student Branch, delivered the Vote of Thanks. We had six events as follows: Auctiverse, Chew-The-Fat, Present-O-Mania, Technocrates, Think-O-Brain, The Rebus. Each participant can attend at least four events.



The participants from various colleges attended this event. The colleges are Saveetha Engineering College, St.Joseph's Institute of Technology, St.Joseph's College of Engineering, R.M.D Engineering College, PSNA College of Engineering, Shri Prince Venkateshwara Padmavathy Engineering College, Hindustan Institute of Technology and Science, Adhiparasakthi Engineering College and Vivekanadha College.

The event ended in a grand success due to the guidance of CSI Student Branch Counsellor Dr.M. Senthil Kumar (Associate Professor, Department of CSE), who coordinated the event.

Department of Placement & Career Guidance

Totally 22 companies conducted their campus interview for the 2022-23 batch students and 80 students were selected during the period April to May 2022. The following are the companies who conducted the campus drive.

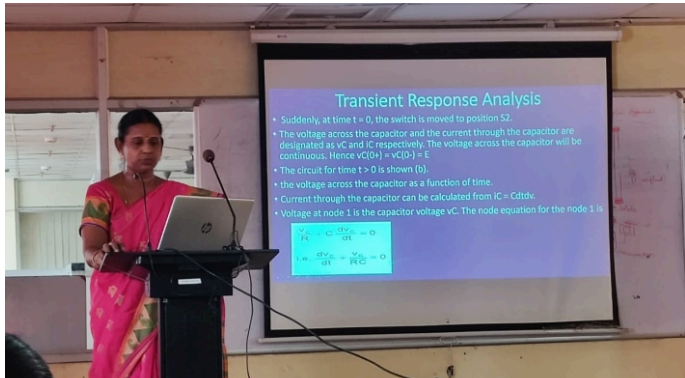
(1) Elite Elevators (2 Selected), (2) Jain Housing (1 Selected), (3) Data Software Research Company Private Limited (DSRC),

(4) Data Pattern (2 Selected), (5) LOWCODE MINDS (1 Selected), (6) Computer Age Management Services Limited (CAMS), (7) Sterling Software Pvt.Ltd (7 Selected), (8) Maestro Steel Detailing Inc (1 Selected), (9) ChipTest Engineering Pvt Ltd, (10) BUDDIAI, (11) TEMENOS India Pvt Ltd, (12) ATDXT (9 Selected), (13) Mobiveil Technologies, (14) Vivriti Capital, (15) OMEGA Healthcare Management Services Pvt. Ltd (2 Selected), (16) Stradegi Solutions, (17) DEMURE INTERIORS (5 Selected), (18) Infosys (4 Selected), (19) Capgemini (23 Selected), (20) PlanetSpark, (21) HCL (23 Selected) and (22) SPIC.

Department of Electronics & Instrumentation Engineering

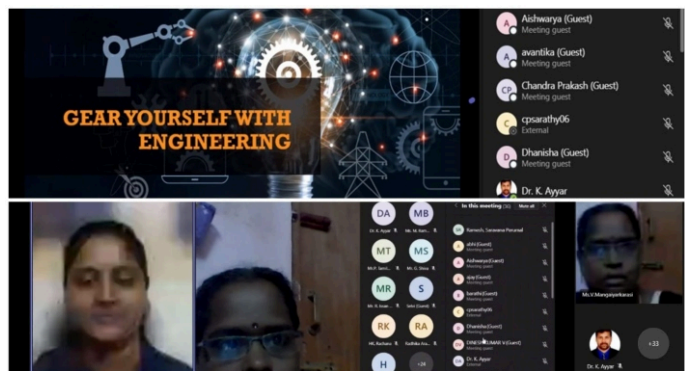
The Dept. in association with the ISA VMEC Student Charter and ISTE organized the following programmes.

A Faculty Development Programme on 'Computer Control of Circuits and Systems' was conducted from 25th May 2022 to 31st May 2022.



FDP on 'Computer Control of Circuits and Systems'

A Motivational Talk on 'GEARUP Yourself with Engineering' was delivered by Mr. Saravana Perumal R (Alumnus-2017 Batch), Application Development Senior Analyst, Accenture, Chennai on 24th June 2022.



Motivational Talk on 'GEARUP Yourself with Engineering'

A Hands-on Training on 'Home Automation' was delivered by Mr. Mr.K.R.Ganesh, Assistant Professor (Sr.G), SRMVEC, Chennai on 17th June 2022.



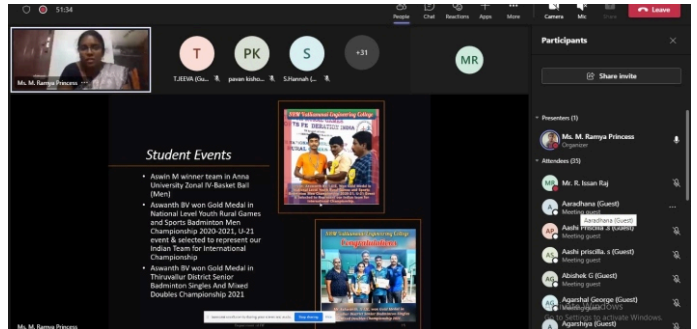
Hands-on Training on 'Home Automation'

Staff Development Programme on 'Stress and Time Management' was delivered by Mr. Mr.K.R.Ganesh, Assistant Professor (Sr.G), SRMVEC, Chennai on 13th June 2022.

A competition on 'Math Quiz- Search Talent' was conducted by Ms. M. Ramya Princess, Assistant Professor (O.G), SRMVEC, Chennai on 10th June 2022.



SDP on 'Stress and Time Management'



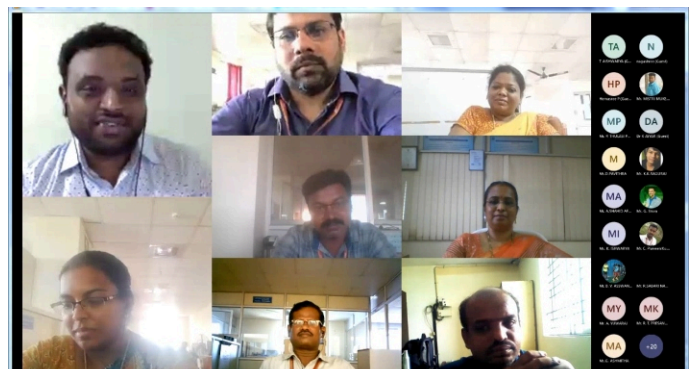
A competition on 'Math Quiz- Search Talent'

A Expert Talk on 'Enhance Your Career Opportunities' was delivered by. Ms.M.Ramjan Begum, Assistant Professor (O.G), SRMVEC, Chennai on 3rd June 2022.



Expert Talk on 'Enhance Your Career Opportunities'

A Virtual National Level Conference on 'Emerging Trends in Electronics and Automation (NCETEA-22)' was conducted on 24th May 2022. The Chief guest of this Conference Mr. Nathan Kannan (2007 Alumnus of SRMVEC), CEO, Alionova Consulting India Pvt. Ltd., Chennai, shared his experiences and ideas in recent trends in Electronics and Automation field during his keynote address



Virtual National Level Conference on "Emerging Trends in Electronics and Automation (NCETEA-22)"

The second Year U.G students of the Dept of EIE visited Chennai Metro Water Desalination Plant, Nemmeli on 6th May 2022

A Workshop on 'Career Guidance for Polytechnic College Students' was delivered by. Mr.N.Sowrirajan, Assistant Professor (O.G), SRMVEC, Chennai on 29th April 2022.



Industrial Visit Chennai Metro Water Desalination Plant, Nemmeli



Workshop on 'Career Guidance for Polytechnic College Students'

The Third Year U.G students of the Dept of EIE visited Integral Coach Factory (ICF) and Chennai Rail Museum, Perambur, Chennai-38 on 8th April 2022.



Industrial Visit to Integral Coach Factory (ICF) and Chennai Rail Museum, Perambur

A Workshop on 'Teachers Enrichment Programme' was conducted in SRMVEC, Chennai on 9th April 2022.



Workshop on 'Teachers Enrichment Programme'

Mr.R.Issan Raj, A.P & Dr.S.Visalakshi, Prof. & Head published a paper on 'Simpson's rule based accurate mathematical modelling of photovoltaic cell using multi-objective genetic algorithm for hardware verification', in the Journal of Intelligent & Fuzzy System, doi: 10.3233/JIFS-220561 June 2021.

The faculty members and the final year students published papers in the 'Journal of Composition Theory'.

Aravindhasamy D, Puviyarasan R, Sutheesh vishal N, Dr.S.Visalakshi & Mr. C. Praveen Kumar A.P published a paper

on 'Cascaded Modular Battery System in Electric Vehicle', Vol. 15, No. 4, pp.62 66, April 2022

Girish Madavan K, Sruthi M, Uma Maheshwari R, Dr.S.Visalakshi & K.R. Ganesh A.P published a paper on 'Control Scheme for Solar-PvLvdC Microgrid System with Hess', Vol. 15, No. 4, pp.72 79, April 2022.

K Arun kumar, G Arun prakash, K Mohammed Jaffurullah , Mr. P. Tamilmani A. P & Dr.R.Umamaheshwari A.P published a paper on 'Automated Accident Detection and Rescue System', Vol. 15, No. 4, pp.67 71, April 2022.

S Dhivakar, S Kamali, P Sangeetha Priya, M Sivanandham , Ms. M.Shanthi A.P & Ms. V. Mangaiyarkarasi A.P published a paper on 'Smart Reader for Visually Impaired People using Raspberry-Pi', Vol. 15, No. 4, pp.55 61, April 2022.

Dhinesh kumar M, Mohammed Riyas N, Thulasiraman B, Thushar U & Ms K. Rathna Priya A.P published a paper on 'Hand Gesture Controlled Wireless Robot Using Mems and Zigbee for Automation Systems', Vol. 15, No. 4, pp.85 89, April 2022.

Ishwarya M, Pranav Mitesh K, Rangarajan N, Vignesh M, Mr.B. Parameswaran & Ms. M. Ramjan Begum A. P. published a paper on 'Wireless Field Exploring Robot for Surveillance Applications', Vol. 15, No. 4, pp.85 89, April 2022.

Ajay Krishnan.R, Aswin.M, Santhosh.R and Mr. N.Sowrirajan A. P. presented a paper on 'IOT Based Air Quality and Noise Detection in Automobile' in the Virtual conferences on 'Recent Advancement in Communication, Electronics, and Signal Processing, 6th May 2022

Ishwarya.K, Presanna Kumar.R.T , Yuwaraj.A and Ms.M.Ramya Princess A.P, presented a paper on 'Design and Development of Website for Fitness and Nutrition' in the Virtual National Conference on Emerging Trends in Electronics and Automation on 24th May 2022.

Manish Daniel.K, Saravanan.J, Ashmitha. G and Mr. G.Shiva A.P presented a paper on 'Smart Solar Electric Vehicle' in the Virtual National Conference on Emerging Trends in Electronics and Automation on 24th May 2022.

Mistri Mukesh Arjun, Sowbarnicka.A and Thulasi Prasath.P presented a paper on 'IR Temperature Detector and Voice Readout' in the Virtual National Conference on Emerging Trends in Electronics and Automation on 24th May 2022.

General Engineering

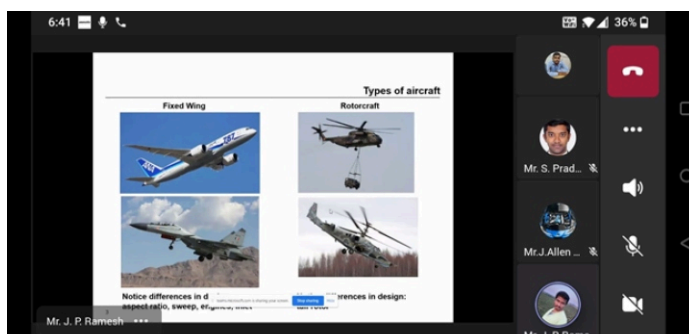
Dr.S.K.Saravanan AP(Sel. G) attended a Six-day online Faculty Development Program(FDP) on 'Next Generation Computing: Key Trends, Challenges and Opportunities' organized by the Department of Computer Science and Applications, SRM Institute of Science and Technology, Ramapuram Campus, Chennai from 18th April 2022 to 23rd April 2022.

Dr. S. K. Saravanan , AP(Sel. G) attended a five-day Faculty Development Program(FDP) on 'Ethical Hacking Laboratory' organized by the department of Computer Science and Engineering & Cyber Security, SRM Valliammai Engineering College, Chennai from 20th June 2022 to 24th June 2022.

Dr. S. K. Saravanan , AP(Sel. G) and Dr. S. Parthasarathy AP(Sel.G) published a research article titled 'Meaningful Learning through Virtual Reality and Augmented Reality Technological Environments' in the International Journal for Research in Applied Science and Engineering Technology(IJRASET), ISSN: 2321-9653, Volume 10 Issue VI June 2022.

Department of Mechanical Engineering

A Guest Lecture on 'Aerospace Concepts and Design' was conducted through online mode on 23rd April 2022. The resource person Mr. S. Manoj Kumar, B.E., M.E(AERO), Senior Analysis Engineer, Boeing India Private Ltd, delivered the guest lecture following topics : Design principles of air-breathing engines and nacelles, Different types of aircraft, Types of engines and their applications, The most powerful and largest engine - GE90 115B, Turbofan vs. turbojet or low bypass engine, Difference between Two spool and three spool engines, Engine efficiencies, Specific thrust and propulsive efficiency, Driving factors for commercial aircraft design, Nacelle and Thrust Reverser, ASG programs and new technologies. A total of 46 members participated in the guest lecture.



Guest Lecture on 'Aerospace Concepts and Design'

A Guest Lecture on 'Safety Implementation in Automobile Industry' was conducted through online mode on 30th April 2022. The resource person Mr. X. Velanganni Manohar, Senior Health and Safety officer Ford India Private Limited, delivered the expert lecture on following topics: Safety measures adopted in Ford India Private Limited, Safety practices implemented in job floor, Ergonomic and workplace stress, Fire safety, Electrical safety, Workplace accident: Reporting & Prevention, Importance of PPE for employees, Latest advancement in safety, Emergency action plans. A total of 32 members participated in the guest lecture.



Guest Lecture on 'Safety Implementation in Automobile Industry'

A Value-added course on 'Optimization Techniques for Solving Multiple Attribute Decision-Making Problems' was conducted on 7th May 2022 and 14th May 2022. The objective of this programme is to enhance the knowledge about classical optimization techniques and numerical methods of optimization. The course focuses on various optimization techniques and its requirement, classification, applications and the multiple performance characteristics in various operations and procedure for single objective function optimization in Mini Tab Tool. The course was handled by Mr. K. Arumugam, Asst. Professor. The students numbering 44 from various Engineering departments participated in this course. The participants gave the feedback that

the course had given them great ideas and the ability to apply the theory of optimization methods and algorithms to develop and for solving various types of optimization problems. They also appreciated the course methodologies, the structure of learning experience in specific and the content of the course. The program ended by conducting skill assessment test and collecting feedback from the students.

A Skill Development Programme on 'Basics in CAD Modelling and Analysis' was conducted on 23th June 2022. The objective of programme was explained by Dr. S. Thirugnanam HOD/Mech. Introduction to modelling in CREO was covered by Mr.R.Ashok Assistant Professor (Sr.G), Mechanical Engineering. The topics regarding analysis in ANSYS software were handled by Mr.P.Ramu, Assistant Professor (O.G), Mechanical Engineering. Staff members actively practised modelling and analysis of simple CAD drawings. In this programme, totally 11 non-teaching staff members participated.



SDP on 'Basics in CAD Modelling and Analysis'

Mr. R. Srinivasan, Mr. K. Hariharan, Mr. S.A. Jeyanthan, Mr.K.Kamalesh and Mr. Ifthikar Ali published a paper on 'Effect of addition of titanium carbide and graphite reinforcement on Al7075 hybrid metal matrix composites by gravity stir casting method' in Materials today proceedings; Vol-62,2022, pages 86-93; DOI: <https://doi.org/10.1016/j.matpr.2022.02.272>.

Mr. R. Pavithran, Mr. V. Nirmal Nishanth, Mr.S.Prabhakaran, Mr. P. Pradeep Raj and Mr. G. Ananth published a paper on 'Design & Analysis of Battery Thermal Management System' in International Research Journal of Modernization in Engineering Technology and Science, e-ISSN: 2582-5208, Volume: 04/ Issue: 05/ May 2022, Page No:3197-3200.

Mr. G. Sathish Kumar, Mr. S. Ranish, Mr. R. Harish Kumar, Mr. G. Ramani and Mr. R. Ramkumar published a paper on 'Design, Analysis and Characterization of fibre reinforced plastics for replacement of body of goods train wagon' in International Journal of Advance Research and Innovative Ideas in Education, IJARIE-ISSN(O)-2395-4396 Page No: 1597-1602. volume 8 issue 3 2022.

Mr. V. Karthicsen, Mr. B. Harish, Mr. G. Karthik Hariharan, Mr. T. Karthikeyan and Mr. R. Ramkumar published a paper on 'Numerical Investigation and Characterization for Glass fibre reinforced polymer and carbon fibre reinforced polymer composite for high corrosion chemical tank' in International Journal of Advance Research and Innovative Ideas in Education, IJARIE-ISSN(O)-2395-4396 Page No: 1714-1721. volume 8 issue 3 2022.

Mr. J. Kishore, Mr. A. Mohanraj, Mr. R. Nandha Kumar, Mr.A. Naveen Raj and Mr. K.P. Manikandan, published a paper on 'Effects of Process Parameters on Forming Forces in a Single Point Incremental Forming Process (Al-7075)' in International Journal of Advance Research and Innovative Ideas in Education, Vol-8 Issue-3 2022 IJARIE-ISSN(O)-2395-4396, Page No: 16826, 1558-1566.

Mr. B. Lokesh, Mr. R. Manish Kumar, Mr. S. Mohana Krishnan, Mr. A. Mohan Raj and Ms. N. Nithya published a paper

on 'FEA Based Modelling of Magneto Rheological Damper to Control Vibrations During Contour Milling' in International Journal of Advance Research and Innovative Ideas in Education, Vol-8 Issue-3 2022 IJARIIE-ISSN(O)-2395-4396., Page No: 16806, 1466-1471.

Mr. R. Mugundhan, Mr. M. Muthu Kumar, Mr. V. Nagarajan, Mr. G. Sanchay and Ms. N. Nithya published a paper on 'Fault Diagnosis Analysis in Milling Machine using Magneto Rheological Damper' in International Journal of Advance Research and Innovative Ideas in Education, Vol-8 Issue-3 2022 IJARIIE-ISSN(O)-2395-4396, Page No: 16778, 1293- 1298.

Ms. V. Shwetha Anandhini, Mr. B. Sujay2, Mr. J. Tharik Ajees, Mr. P. Thiruselvam and Dr. S. Thirugnanam published a paper on 'Experimental Investigation of Al 8011 Aluminium Alloy Reinforced With Silicon Carbide And Boron Carbide' in

International Journal of Advance Research and Innovative Ideas in Education, Vol-8 Issue-3 2022 IJARIIE-ISSN(O)-2395-4396, Page No: 1 6873, 1831- 1839.

Mr. A. Mohana Subramanian and Dr. S. Thirugnanam published a paper on 'Implementing Safety In Construction Site During Integrated Strom Water Drain Work' in International Journal Of Current Engineering And Scientific Research (IJCESR), ISSN (PRINT): 2393-8374, (Online): 2394-0697, Volume-8, Issue-12.

Mr. R. Hariharan, Mr. J. Hariharan, Mr. M. Adithya and Mr.S.Jeeva Prasanna published a paper on 'Design and Analysis of Smart Indication System' in International Journal of Advance Research and Innovative Ideas in Education, Vol-8 Issue-3 2022 IJARIIE-ISSN(O)-2395-4396, Page No: 17407, 4619-4623.

பாறிவேந்தர் மானவர் தமிழ் மன்றம்

SRM Valliammai Engineering College, Paarivendar Student Tamil association and Kanith Tamil Peravai jointly organized a workshop on Cyber Security in Tamil on 4th April for school students at Anandhavalli Matric Hr.Sec.School, Urappakkam. The guest speaker at the event was Dr.B.Vanathi,HOD-CSE & Mr.K.Shanmugam, AP/CSE.The second year Cyber Security students N.Vijayaragavan, V.Raghul, R.Blesslin Jaffy, A.Dhakshyani spoke on topics such as Cyber bullying, Pronography, Cyber threats, Malware and Final year ECE student G.Sankar babu delivered a Motivational speech topic on 'You can'. This event was conducted by AICTE SPICES scheme fund. More than 100 students participated and benefited from this event. This event was coordinated by Mr.K.Shanmugam, AP/CSE.



Workshop on Cyber Security in Tamil

Vendhar TV organized a Nearukku Ner Talk show on 12th April 2022 Harini Preetha, First year-EIE was participated in this programme.

Hello Nenjea youtube channel organized a Talk show on 14th April 2022 on the topic திருமணவழுவில் இளைப்பார்களின் எதிர்பார்ப்புகள் K.Harini preetha, I year EIE, A. Sethu Mathavan, I year ECE, Lokesh Thirumalai, I year ECE participated in this programme and won Rs.300 cash prize.

SRM Valliammai Engineering College, Paarivendar Student Tamil association and Kanith Tamil Peravai jointly organized a workshop on Machine Learning in Tamil on 23rd April. The guest speaker at the event was Mr.Raja Ram alias Neechalkaran, Technical Analyst, Infosys. He spoke on topics such as Machine



Workshop on Machine Learning in Tamil

Learning types, Learning models, Classification, Regression, Clustering and frameworks. This event was conducted by AICTE SPICES scheme fund. More than 100 students were participated and benefited by this event. This event was coordinated by Mr.K.Shanmugam,AP/CSE.

Vendhar TV organized a Tamil New year Pattimandram show on 14th April 2022 on the topic குழிபுறம் குழிபுறங்களில் பண்பாடும் பாரம்பரியமும் சிறந்து விளங்கியது அலைப்பேசி காலத்திலா? தொலைப்பேசி காலத்திலா? Mr.K.Shanmugam, AP(OG)/CSE participated in this programme and was telecast on Tamil New year 14th April 2022.

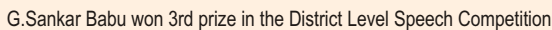
Anna University MIT campus conducted various Tamil competitions for college students on 1st May 2022. The Tamil mandram students participated in all competitions and won the all competitions. The prize winners are: (1) K.Sankarbabu, ECE, IV year, Second prize in Speech competition and first prize in Drama and Second prize in soll villayattu, (2) C.Chandru, ECE, IV year, First prize in Drama, (3) Sivasakthi, ECE, IV year, First prize in Drama, (4) RajaGopalan, ECE, IV year, First prize in Drama, (5) G.Sakthi Raj, ECE, IV year, First prize in Drama and Second prize in Soll Villayattu, (6) R.Bala Yogesh, ECE, IV year First prize in Drama, (7) Vishal, AI & DS, II year first prize in Dance, (8) Subbulakshmi, IT, II year first prize in Dance, (9) Jayakumar, AI & DS, II year first prize in Dance, (10) Maheshwari, AI & DS, II year first prize in Dance & (11) Sadhana, Dept of ECE, Final year, First prize in Dance.



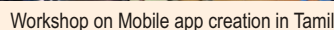
The prize winners of Anna University MIT Campus Tamil competitions

SRM Valliammai Engineering College, Paarivendar Student Tamil association and Kanith Tamil Peravai jointly organized a workshop on Create Science, Engineering Technology Glossary in Tamil on 2nd May 2022. The students translated the project abstract in Tamil. This event was conducted by AICTE SPICES scheme fund. More than 30 students participated and benefitted

G.Sankar Babu, Dept of ECE Final year won the third prize in the District Level Speech Competition on 25th March 2022 organized by State Minority department of TN Government. He won Rs.5,000/- cash award and he received the award from Mr.M.K.Stalin, Chief Minister of Tamil nadu on 05th May 2022.

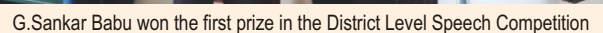


SRM Valliammai Engineering College, Paarivendar Student Tamil association and Kanith Tamil peravai jointly organized a Workshop on Mobile app creation in Tamil on 12th May 22. The guest speaker at the event was Mr.Khaleel Jageer, FOSS Activist. The students learned many things such as Android architecture, overview of the Android operating system, Development tools and step by step application development. This event was conducted by AICTE SPICES scheme fund. More than 70 students participated and benefited from this event. This event was coordinated by Mr.K.Shanmugam, AP/CSE.



SRM Valliammai Engineering College, Paarivendar Student Tamil association jointly organized a Kanavea Vanthean-2k22 on 19th May 22. The guest speaker at the event was Kalimamani Thiru.Suki Sivam, orator, writer and scholar in Tamil. In his

G.Sankar Babu, Dept of ECE Final year won the first prize in the District Level Speech Competition on 3rd June 2022 organized by Tamil Development Department, TN Govt and he won Rs.5000/- cash award.



Ellam Inaaya Mayam the technical book written in Tamil by Dr. B. Chidhambara Rajan, Director and Mr. K. Shanmugam, Asst. Prof of Dept of Computer Science and Engineering of SRM Valliammai Engineering College was released by Dr.Ravi Pachamuthuoo,Chairman and Pro Chancellor,SRM Group of Institutions on 18th June2022.

Ellam Inaaya Mayam consists of details pertaining to the happenings related to lucidly with apt illustrations. The latest IOT techniques employed in the computer field such as IOT concepts, Importance of IOT, How it Works, IOT sensors, IOT Hardware and Software, IOT applications are explained. This book has been prepared catering to the needs of the students at the tertiary level. Moreover, this book has been written in Tamil for the easy understanding of students. On this occasion, Dr.M.Murugan, the Principal-SRM VEC was also present.

Valai Vasal Varuga the technical book written in Tamil by Dr.B.Chidhambara Rajan, Director and Mr. K. Shanmugam, Asst. Prof of Dept of Computer Science and Engineering of SRM Valliammai Engineering College, has been included in Tamil computing subject syllabus of SRM Institute of Science and Humanities. SRM IST.Chennai.

A Guest Lecture on the 'Artificial Intelligence & Machine Learning' was organized on 07th April 2022 and the Resource Person was Dr.K.Deeba, Assistant Professor, SRM Institute of Technology, Chennai and the coordinator was Dr.S.Jeyalakshmi,A.P(Sel.G).



A National Webinar on 'Cloud Based Technology and Advancement Tools' was organized on 12th April 2022 and the Resource Person was Mr. Ananth Nagarajan, SME, Caspex Solution pvt. Ltd., Chennai. The coordinators were Mr. G. Vivekanandan, A.P.(O.G) and Mr. R. Shankar Narayanan, A.P.(O.G).



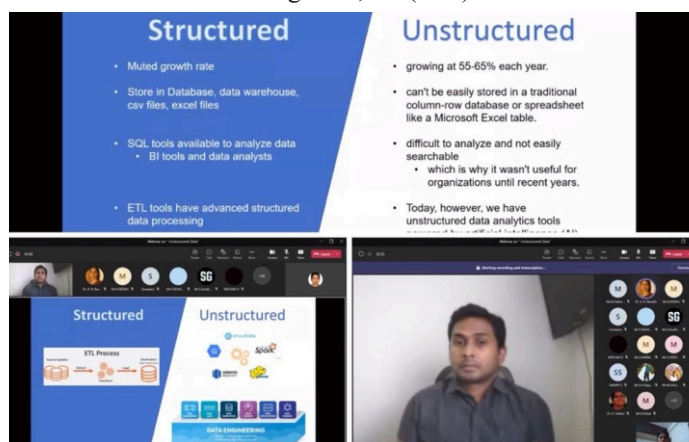
A National Level Conference on 'Recent Trends in Computational Intelligence' was organized on 22nd April 2022 and

the Resource Person was Ms.Rajalakshmi Srinivasan, Director-Product Management, Zoho Corporation Pvt.Ltd. Chennai. The coordinators were Dr.S.Sekar, A.P(Sel.G) and Mr.M.Asan Nainar, A.P(Sel.G).



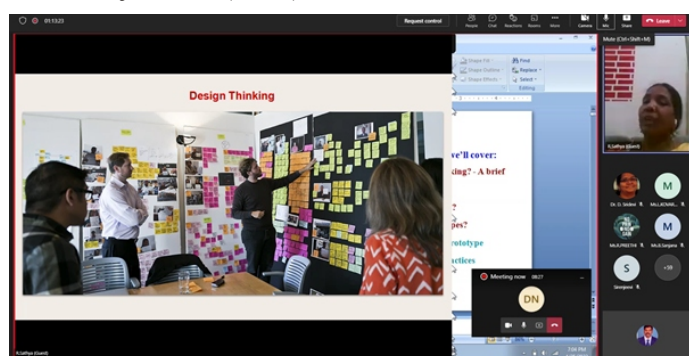
National Level Conference on 'Recent Trends in Computational Intelligence'

A National Level Webinar on 'Unstructured Data' was organized on 26th April 2022 and the Resource Person was Mr.Ananth Tirumanur, Data Engineer, Iron side group, USA. The coordinator was Ms.K.Sangeetha, A.P(O.G)



National Level Webinar on 'Unstructured Data'

A National Level Webinar on 'Developing Products for Market by Innovation' was organized on 25th April 2022 and the Resource Person was Ms.R.Sathya, Asst.Prof, SRMIST, Chennai. The coordinators were Dr.S.Narayanan, A.P(Sel.G) and Mr.P.Sirenjeevi, A.P(Sel.G).



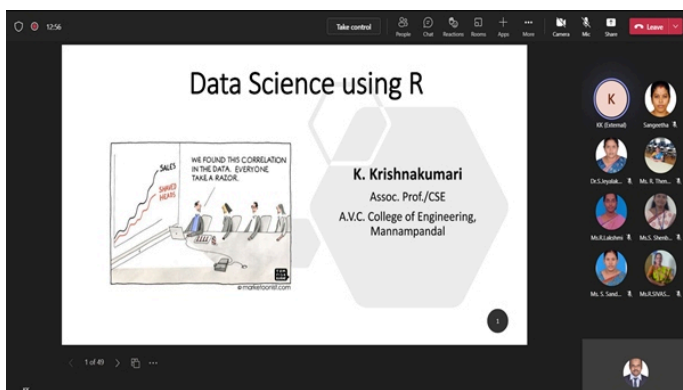
National Level Webinar on 'Developing Products for Market by Innovation'

A Value Added Course on 'Full Stack Web Development-Phase II' was organized on 07th May 2022 and 14th May 2022 and the Resource Person was Mr.M.Uvan Shankar, Amazon Technologies. The coordinator was Mr.G.Vivekanandan A.P(O.G).

A Value Added Course on 'Fundamentals of Data Science - Phase II' was organized on 07th May 2022 and 14th May 2022 and the Resource Person was Ms.S.Anirudha, Data Scientist, Tiger Analytics. The coordinator was Ms.K.Sangeetha, A.P(O.G)

A Faculty Development Programme on 'Open Source Tools for AMD ' was organized from 22nd June 2022 to 28th June 2022

and the Resource Persons were Dr.K.Krishnakumari, Associate Professor, Department of Computer Science and Engineering, A.V.C College of Engineering, Mayiladuthurai, Dr.A.Jaya, Professor, Department of Computer Applications, B.S. Abdur Rahman Crescent Institute of Science and Technologies, Chennai, Dr.V.R Balaji, Assistant Professor (S.GI), School of Electronics Engineering, Vellore institute of Technology, Chennai campus, and Mr.K.Gurumoorthy, Heartfulness Meditation Trainer, Assistant Professor, Department of Computer Science, D.R.B.C.C.C.Hindu College, Chennai. The coordinators were Mr.M.Asan Nainar, A.P(Sel.G) and Dr.D.Sridevi, A.P(Sr.G).



FDP on 'Open Source Tools for AMD '

Dr.A.R.Revathi published a journal article titled the 'Improved Wild Horse optimizer with Deep Learning Enabled Battery Management System for Internet of Things based Hybrid Electric Vehicles' in Sustainable Energy Technologies and Assessments (Elsevier) DOI:10.1016/j.seta.2022.102281ISSN: 2213-1388.

Dr.S.Ravikumar published a journal article titled the 'Raspberry PI based Smart Walking Stick for Visually Impaired Person' in International Research Journal of Engineering and Technology(IRJET) 9(4), pp.1-6 ISSN(P): 2395-0072, ISSN(E):2395-0056.

Dr.S.Jeyalakshmi published a journal article titled the 'Recommendation of Crop and Pesticides using Machine Learning' in International Research Journal of Engineering and Technology (IRJET) 9(4), pp.1-4 ISSN(P): 2395-0072, ISSN(E):2395-0056.

Dr.S.Sekar published a journal article titled the 'IoT based Smart Helmet' in International Research Journal of Engineering and Technology(IRJET) 9(4), pp.1-9 ISSN(P): 2395-0072, ISSN(E):2395-0056.

Ms.R.Lakshmi published a journal article titled the 'Decentralized Blockchain Services using Cardano Network' in International Research Journal of Engineering and Technology(IRJET) 9(4), pp.1-4 ISSN(P): 2395-0072, ISSN(E):2395-0056

Ms.S.Shenbagavadivu published a journal article titled the 'Machine Learning Based Fruit Quality Measurement System' in International Journal of Innovative Research in Computer and Communication Engineering 10(4) ISSN:2320-9801

Ms.S.Shenbagavadivu published a journal article titled the 'Implementation and Performance Analysis of X-Ray Image for Covid-19 Affected people' in International Research Journal of Engineering and Technology(IRJET).

Dr.D.Sridevi published a journal article titled the 'Designing and Implementing of Trust-Based Access Management Model for Cloud Computing' in International Journal of all Research Education & Scientific Methods 10(4) ISSN: 2455-6211

Mr. G.Vivekanandan published a journal article titled the 'Optimized Routing and Denial of Service for Robust

Transmission in Wireless Networks' International Research Journal of Engineering and Technology(IRJET) 9(4), pp.3184-3190 ISSN(P): 2395-0072, ISSN(E):2395-0056

Ms. R.Thenmozhi published a journal article titled the 'Convolutional Neural Network for Leaf and Citrus Fruit Disease Identification using Deep Learning Model' in International Research Journal of Engineering and Technology(IRJET) 9(5), pp.1-9 ISSN(P): 2395-0072, ISSN(E):2395-0056

Mr.R.Sankaranarayanan published a journal article titled the 'Cluster-based attacks prevention algorithm for autonomous vehicles using machine learning algorithms', Journal of Computers and Electrical Engineering, Elsevier - Science Direct, volume 101, July 2022, 108088.

Dr.A.R.Revathi. Asst.Prof, and Dr.D.Sridevi.,A.P(Sr.G) delivered a lecture in the Value Added Course titled 'Fundamentals of Data Science -Phase II', organized by Faculty of Information Technology, SRMVEC from 07th April 2022 to 14th April 2022.

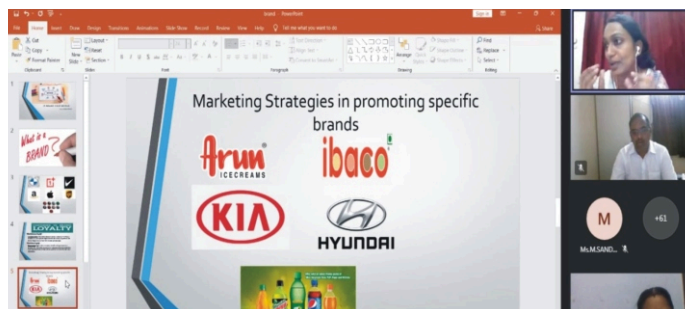
Mr. Mr.Asan Nainar, A.P(Sel.G) and Ms.S.Sandhya, A.P(O.G) delivered a lecture in the Value Added Course titled 'Full stack web development -Phase II', organized by Faculty of Information Technology, SRMVEC from 07th April 2022 to 14th April 2022.

Dr.A.R.Revathi, Asso.Prof Granted the Design Patent titled the 'Feeding Bottle with Temperature Display' in Government of India-Intellectual Property Rights.

The Department of Information Technology conducted 1 Online FDP/STTP, 1 Certification, 1 Webinar, 60 Course Completion & 12 Online Courses were done.

Master of Business Administration

An Online Alumni Talk on 'Is Brand Your World?' was organised by the Department of Management Studies on 06th April 2022. Mrs. C. Charupreethy, Assistant Professor, Velammal Engineering College, Chennai and Alumni of the department delivered the lecture. Students of First year MBA participated and benefited from the programme.



Online Alumni Talk on 'Is Brand Your World?'

Department of Management Studies received funded project from TNSCST Student Project Scheme on the title An Empirical



TNSCST Student Project Scheme on the title An Empirical Study on the Influence of Microcredit on the Economic Empowerment of Women in Chengalpattu district with focus on Self-help groups

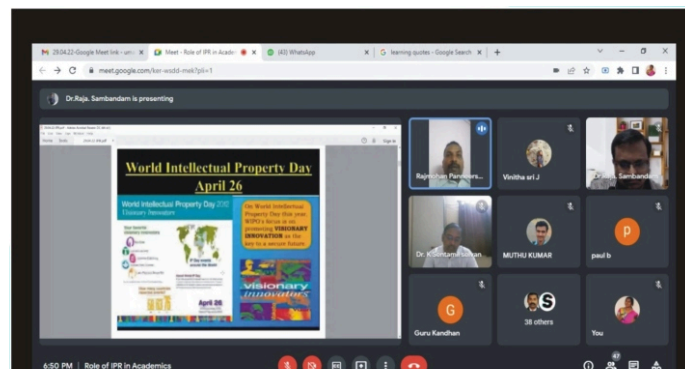
Study on the Influence of Microcredit on the Economic Empowerment of Women in Chengalpattu district with focus on Self-help groups. An awareness program was organised on 07th April 2022 and 50 participants from various Self-Help Groups (SHGs) from Kuthanur Village, Madambakkam Panchayat, Guduvanchery participated and benefited from the program.

An industrial visit to M/s. Hatsun Agro Products Ltd., Kancheepuram was organised by the Dept. of Management Studies on 29th April 2022. First Year MBA students participated in the industrial visit and students had the opportunity of visit the production facility and understand the manufacturing, quality and safety process followed in the organisation.



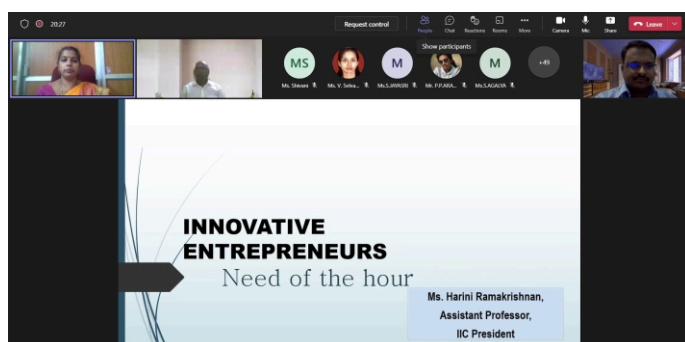
Industrial visit to M/s. Hatsun Agro Products Ltd.

An Online Guest Lecture on 'Role of IPR in Academics' was organised by the Dept. of Management Studies on 29th April 2022. Dr. Rajmohan Pannerselvam, Associate Professor, Dept. of Business Administration, Annamalai University delivered the lecture. Faculty Members from various departments of the institution and the First Year and Second Year MBA Students participated in the program.



Online Guest Lecture on 'Role of IPR in Academics'

Dept. of Management Studies organised an Online Guest Lecture on 'Innovative Entrepreneurs Need of the Hour' on 04th May 2022. Ms. Harini Ramakrishnan, Assistant Professor, PG Dept of Corporate Secretaryship, SDNB Vaishnav College for Women, Chennai delivered the lecture. Faculty Members from various departments of the institution and the First Year and Second Year MBA Students participated in the programme.



Online Guest Lecture on 'Innovative Entrepreneurs Need of the Hour'

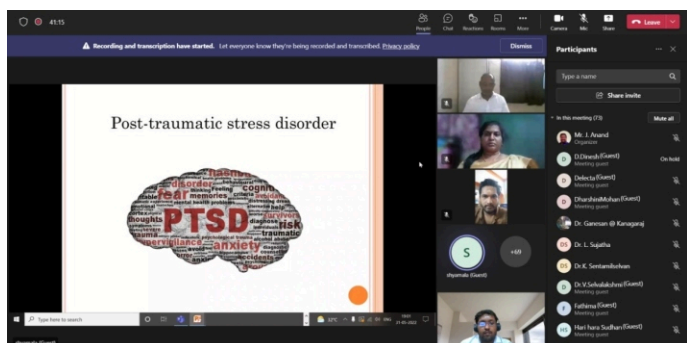
Dept. of Management Studies in association with Incubation and Innovation Center organised 'IDEA CAMP' on 26th May 2022. Mr.Nirmal Raj, Incubation Manager, ATAL Anna University Incubation Center reviewed the student project ideas.



'IDEA CAMP'

An Online Guest Lecture on 'Startup Challenges' was organised for the First Year MBA Students on 30th May 2022. Dr.M.Mahadevi, Research Dean & National Innovation Start Up Policy Coordinator (NISP), SDNB Vaishnav College for Women, Chennai delivered the lecture.

Dept. of Management Studies organised an Online Webinar on 'Stress Management' for the First Year MBA Students on 31st May 2022. Dr. K. Shyamala, Assistant Professor, Dept. of Commerce, SDNB Vaishnav College for Women, Chennai delivered the lecture.



Online Webinar on 'Stress Management'

Industrial Visit to M/s. Modern Bakers Pvt. Ltd, Chennai was organised by the Dept. of Management for the First Year MBA Students on 03rd June 2022. Students benefited from the real time exposure to manufacturing, quality control and safety management practices followed in the organisation.



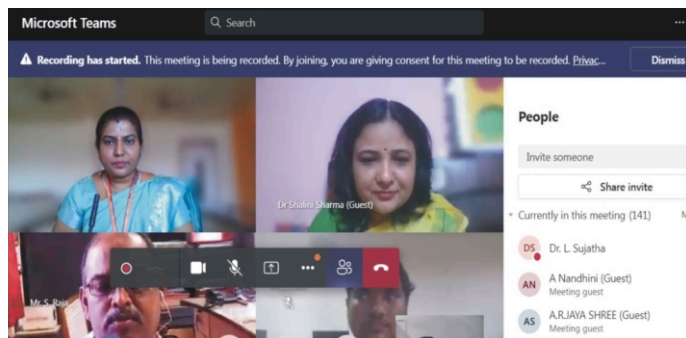
Industrial Visit to M/s. Modern Bakers Pvt. Ltd, Chennai

SRM Valliammai Engineering College Innovation and Incubation Center and ATAL Incubation Center Anna University Incubation Foundation (AIC AIUF) in association with Carve Startup, Chennai organised 'Startup Boot Camp' on 09.06.2022 & 10th June 2022. Dr. P. Umamaheswari, CEO-AIC-AU, Mr.Nirmal Raj, Incubation Manager and Mr. Vishnu Nagaraj -Founder CEO - Carve StartupLabs evaluated the student startup ideas and trained them in the areas of Ideation Canvas and Product Canvas.



'Startup Boot Camp'

An Online Guest Lecture on 'Youth Entrepreneurship : An initiative for better Career Option' was organised by the Dept. of Management Studies on 29th June 2022. Dr.Shalini Sharma, Assistant Professor, Delhi Skill and Entrepreneurship delivered the lecture highlighting need for entrepreneurship and quoted the government schemes to support entrepreneurship initiatives. The session was followed by a lecture by Dr. E. Bhaskaran, Joint Director(Engineering) & General Manager, Department of Industries & Commerce, MSME, who elaborated the various schemes of the Government of Tamil Nadu to support aspiring Entrepreneurs. In the concluding session Mr. K. B. Kannan, ILO Trainer & Filed Coordinator UCEV, EDII Villupuram Hub delivered a lecture explained about the various programs conducted by EDII for the benefit of promoting entrepreneurship among students.



Online Guest Lecture on 'Youth Entrepreneurship : An initiative for better Career Option'

Dr. M. Ganesan @ Kanagaraj, AP (O.G) published a paper on 'Financial Statement Analysis for National Insurance Company Ltd. Chennai' in the International Research Journal of Commerce Arts and Science.

Mrs. A. UmaDevi, AP (O.G) presented paper on the title 'Artificial Intelligence Revolution in Supply Chain Management' in the international conference on Contemporary Innovations in Engineering & Management in Data Sciences, IOT.

Dr. K. Guru, AP (O.G) published a paper titled 'A Study on Impact of Social Media on Student Education System' in the journal International Journal of Early Childhood Special Education.

Dr. K. Guru, AP (O.G) published a paper titled 'Analysis of Population Disease Estimates using the Health Care Database' in the Bulletin of Environment, Pharmacology and Life Sciences.

Dr. K. Sentamilselvan, AP (Sel.G) & HOD attended international seminar on 'Changing Landscape for Innovations in Entrepreneurs - Aspire, Adopt, & Achieve' organised by Maruthar Kesari Jain College For Women - Vaniyambadi

Dr. K. Sentamilselvan, AP (Sel.G) & HOD attended AICTE Sponsored National E Conference on Digital Innovations & Business Transformations - The ERA of New Normal organised by SRMIST, Kattankulathur.

Dr. K. Sentamilselvan, AP (Sel.G) & HOD International Professional Development programme on Research writing & Ethics organised by Patrician College of Arts & Science, Adyar Chennai.

NSS

The Irular habitation in Periyaputheri near Senneri was adopted by the NSS unit of SRM Valliammai Engineering College in the year 2020 and six dilapidated houses had been reconstructed and renovated during the year 2020. Essential household items worth Rupees Five lakh were given to hundred families during the pandemic period of 2021. In March 2022, four wrecked houses were re-constructed.

In addition, on 6th April 2022, the NSS volunteers were effectively split into two groups, cohesively working together, one group collected the information of the people in the house. The products worth Rupees Five thousand each were handed over to seventy five families in an organized manner and the event was held in a very efficient and effective way. Products worth Rupees Three lakh seventy five thousand were handed over to the families.



The beneficiaries of the village were delighted to receive the household kits and thanked M/s. Habitat for Humanity India, the Principal, Vice Principal and the Management of SRM Valliammai Engineering College. They also thanked Dr.S.Parthasarathy, NSS program officer, SRM Valliammai Engineering College.

The NSS volunteers of SRM Valliammai Engineering College in association with the Rotary club of Chennai Meraki and CommuniTREE organised an tree plantation event on 23rd April 2022 10'O clock at Forest Trial, Opposite to Tidal Park, Tharamani, Chennai. The Rotary club of Chennai Meraki gave a brief address about the importance of planting trees and encouraged the volunteers to protect trees or replant trees if possible. Later, the CommuniTREE office bearers taught the students how to remove weeds , how to use fertilizers and how to water the plants.



Dr. S. Parthasarathy gave the NSS volunteers an inspiring speech about the trees and their importance on the environment. He split the NSS volunteers in to 6 team each consisting of 8-9 members. Then the NSS volunteers were given plots of land on which they started working. The students worked during the scorching heat of the sun, dug holes and put manure in the holes, then cautiously planting the saplings and watered the plants. Each student planted and watered 5 plants. By large they planted Two Hundred and Sixty Eight saplings by the end of the day. 'Happy trees Happy humans' - was the theme of the day.

53 NSS volunteers from SRM Valliammai Engineering College organised a mega lake cleaning in association with EXNORA at Madipakkam lake on 30th April 2022. The volunteers were given a brief idea about the importance of youth coming forward to develop the society by the ward Councillor. The official from EXNORA guided the volunteers on how to clean the lake and the surrounding shoreline. Dr. S. Parthasarathy, the NSS Programme Officer also gave an inspiring speech on saving water sources and its importance to the society.



The students were organised into 6 groups. The students who knew swimming were assigned to clean the bank of the lake while the others helped pass the debris to the dustbin. The waste they removed include a lot of harmful materials like plastic, glass bottles, thermocol, plastic sheets and floating seaweed which were also removed by the volunteers. At the end of the day, nearly half a ton of debris was removed by the volunteers. The lake was cleaned to the maximum extent by the students which made the councillor happy.

Isha Foundation volunteers held an awareness session for NSS volunteers of SRM Valliammai Engineering College on 28th May 2022 at the New Seminar Hall. The Isha volunteers briefed the NSS volunteers about the save soil movement. The NSS volunteers were excited to know about Sadhguru's 100-day journey across 27 countries to address the soil crisis. A short video was screened about the facts and the flagship 'Save Soil' theme song was also played. Then a cultural event was conducted by the students of 'Samskriti' which included songs, dance and martial arts. The activity instantly caused the NSS volunteers to feel involved with many supporting the movement and undertaking to spread the word about it.



The NSS volunteers of SRM Valliammai Engineering College joined a mega tree plantation event organized by the Government of Tamil Nadu and accompanied by the



CommuniTree NGO. This event was all about creating a dense forest in the city with the Japanese technology named Miyawaki.

On 3rd June 2022, 33 NSS volunteers gathered at the venue near Mint Street. The event of planting saplings was honoured by the presence of our Honorable Chief Minister Dr. M. K. Stalin. Along with the Chief Minister, six ministers were also present. After repeating the oath presented by our Chief Minister, the event began.

The Chief Minister initiated the event by planting a sapling. Following the Chief Minister, the 33 NSS volunteers planted over 1188 saplings. Each volunteer planted two rows of saplings, each row consisting of 18 pits for plantation.

The Chief Minister personally appreciated the volunteers. The volunteers also got a special commendation from the CommuniTree NGO.

The NSS Volunteers of SRM Valliammai Engineering College attended the Bhumi Campus Awards 2022 organized by the Bhumi NGO, with the Principal and with the NSS Programme Officer on 11.06.2022 in Rani Seethai Hall, Nungambakkam.



The purpose of the award function was to recognize the socially responsible colleges of Tamil Nadu. There were various categories among which the NSS unit of SRM Valliammai Engineering College won the award for the 'Most Socially Responsible College'. The award was received by the Principal, NSS Programme Officer and the NSS volunteers.

The Principal, while addressing the audience, mentioned the achievements of the NSS unit of SRM Valliammai Engineering

College and also spoke about the accomplishments of Dr.S.Parthasarathy, NSS Programme Officer. He encouraged the volunteers and congratulated each volunteer personally. He also recognized the volunteers appreciating them for the work they had done in the past.

The NSS volunteers assembled near the first year block with their bicycles on 17th June 2022. Each volunteer had a placard with them which conveyed the importance of the environment, fitness and benefits of using cycles. The Director and the Principal of SRM Valliammai Engineering College initiated the event by swaying the green flag.



The NSS volunteers started cycling from SRM Valliammai via the back gate of SRM Medical College, East Potheri Village, Anna Salai, and Industrial area of Maraimalai Nagar and stopped opposite to Maraimalai Nagar Police Station. On the way, the NSS volunteers repeated the slogan after the NSS Programme Officer, Dr. S. Parthasarathy. At Maraimalai Nagar police station, the NSS volunteers created an awareness among the moving public by repeating the slogans after the NSS Programme Officer.

After sometime, the rally moved from Maraimalai Nagar Police Station. Eventually, the rally reached SRM Valliammai Engineering College via Kattankulathur village, Dr. Mangalam School and SRM Hotel. The rally ended successfully and the aim of the event was successfully achieved. The Inspector of Intelligence department and the Inspector of Maraimalai Nagar appreciated the efforts taken by the volunteers and the NSS Programme Officer, Dr. S. Parthasarathy.

Department of Mathematics

Dr. V.Vijayalakshmi /AP (Sl.G) attended a National Webinar on 'Microgrid Tie Inverter' organized by department of EEE, SRM VEC on 12th April 2022.

The Mathematics Association 'EULER.COM' organized a Guest Lecture on the 'Random Processes' on 23rd April 2022 for the 4th semester CSE, Cyber Security and ECE students. The lecture was delivered by Dr.K.Subathra, Professor, Department of Mathematics, Sri Sairam Engineering College, Chennai. The lecture started with the basic concepts of Random variables, Types of Random Processes, Markov Process, Gaussian Process and Random Processes.

Dr. S.Chitra, HOD /AP (Sl.G) and Dr. V.Vijayalakshmi /AP(Sl.G) presented a paper titled 'Certified and Maximal certified Domination Number of Total Graphs using Sagemath' International Conference on Mathematics and its Applications (ICMA 2022) organized by PG Department of Mathematics, Sacred Heart College (Autonomous) Tirupattur, Tamilnadu on 5th and 6th May 2022.

Dr. V.Vijayalakshmi /AP (Sl.G) and Dr. S.Chitra, HOD /AP (Sl.G) presented a paper titled 'Solving assignment problem with Trapezoidal Fuzzy Numbers' International Conference on Mathematics and its Applications (ICMA 2022) organized by PG

Department of Mathematics, Sacred Heart College (Autonomous) Tirupattur, Tamilnadu on 5th and 6th May 2022.

Dr.T.Isaiyarasi /AP(Sl.G) and Ms. V. Nagarani /AP (O.G) presented a paper titled 'Multiparty Key Agreement Protocol using decomposition Search problem in Five dimensional Discrete Heisenberg group' in the International Conference on Mathematics and its Applications (ICMA 2022) organized by the PG and Research Department of Mathematics, Sacred Heart College(Autonomous), Tirupattur held on 5th and 6th May 2022.

Ms. V. Nagarani /AP (O.G) and Dr.T.Isaiyarasi /AP(Sl.G) presented a paper titled 'Mutually Authenticated Tripartite Key Agreement Protocol for Smart Hospital in IoT Environment' in the International Conference on Mathematics and its Applications (ICMA 2022) organized by the PG & Research Department of Mathematics, Sacred Heart College(Autonomous), Tirupattur held on 5th and 6th May 2022.

The Mathematics Association 'EULER.COM' organized 'MATHFEST 2K22' on 11th June 2022 for the first year B.E., B.Tech students organized by department of Mathematics, consecutively for the 9th time this year. The events conducted were Olympiad, Puzzles and Paper Presentation. The MATHFEST started with Olympiad followed by Puzzle in which around 200 students participated. Many of the students presented their papers which focused on the application of mathematics in Engineering, Technology, Medicine, Fibonacci series, Calculus and its applications which attracted the audience greatly.

Ms.A. Karpagam /AP (O.G), Dr.V.Vijayalakshmi /AP (Sl.G) and Dr.S.Chitra, HOD /AP (Sl.G) published a paper 'New Approach of cubic spline Interpolation with Hexagonal Fuzzy Numbers' in Infokara Research, Volume 11, Issue 6, June 2022 pp 26-31.

Dr.V.Vijayalakshmi /AP (Sl.G), Ms. A. Karpagam /AP (O.G) and Dr.S.Chitra, HOD /AP (Sl.G) Published a paper 'Fuzzy Time Series and its methods' in Journal of Algebraic Statistics, Volume 13, No.2, June 2022 pp 1585-1591.

Dr. V. Vijayalakshmi/AP (Sl.G) published a Book chapter titled 'Technology Innovations in Teaching Learning Process' as a chapter 12 in the book titled 'Managing Technology & Innovation in Teaching and Learning' on June 2022.

Department of Chemistry

The Department organized a Webinar on 'Environmental Pollution' on 20th April 2022. Dr. D. Prabhakaran, Associate Professor in the Department of Chemistry, School of Advanced Sciences at Vellore Institute of Technology (VIT), Vellore, India was the Resource Person for the webinar. Around 235 students and staff members from various institutions attended the webinar.

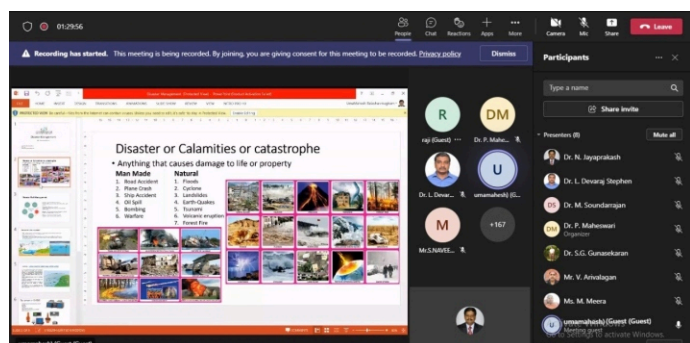
Dr.S.G.Gunasekaran, Assistant Professor (O.G) peer reviewed one manuscript for the publication of article in the Journal of Pharmaceutical Research International on 26th April 2022.

The Department of Chemistry and Physics jointly organized an Essay Writing, Elocution-Paper Presentation and quiz competitions (Resonance'22) from 29th April to 20th May 2022 for the First Year B.E/B.Tech students under the auspices of the Physical Sciences Club.



Essay Writing, Elocution-Paper Presentation and quiz competitions (Resonance'22)

The Department organized a Webinar on 'Disaster Management' on 4th May 2022. Mr. B. Umamahesh, working as a Head - R & D, Elektronik Lab Pvt Ltd, Chennai was the Resource Person. Around 205 students and staff members from various institutions attended the webinar.



Webinar on 'Disaster Management'

Dr. P. Maheswari, Assistant Professor (O.G) published a paper titled 'Preparation and Performance of PU/Cpsf Blend

Ultrafiltration Membranes for Removal of Heavy Metal Ion Rejection Studies' in the Engineering and Technology Journal, 24th May 2022.

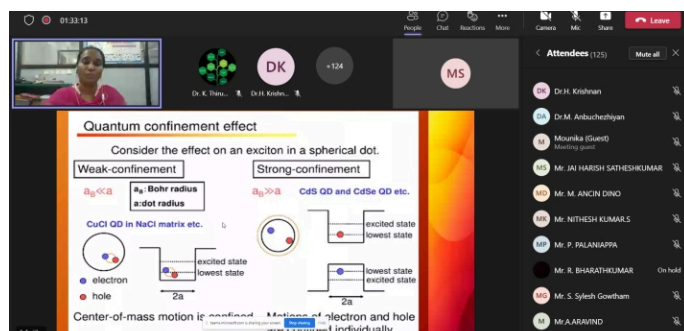
In the '3rd Virtual International Conference on Science Engineering and Technology (ICSET 2022)', organized by Sri Venkateswaraa College of Technology, Sriperumbudur during 26-27th May 2022, the Staff noted below presented papers.

Dr. L. Devaraj Stephen, Assistant Professor (Sr.G) and Dr.S.G.Gunasekaran and Ms. M. Meera Assistant Professor (O.G) presented a paper on 'Nanosilica Incorporated Maleimido Terminal Phenyl Pendant Pyridine Core Polybenzoxazine (MWCNT/PBZ) Hybrid Nanocomposites'.

Dr. L. Devaraj Stephen, Assistant Professor (Sr.G) and Dr.S.G. Gunasekaran, Dr. M. Soundarajan, and Mr. V.Arivalagan Assistant Professor (O.G) presented a paper on "Photocatalysis of CoIII(Tn)2Cl(L)2+ on Visible Light Absorbing, Highly Stable Photosensitized TiO2 Suspensions in Binary Solvent Mixtures'.

Department of Physics

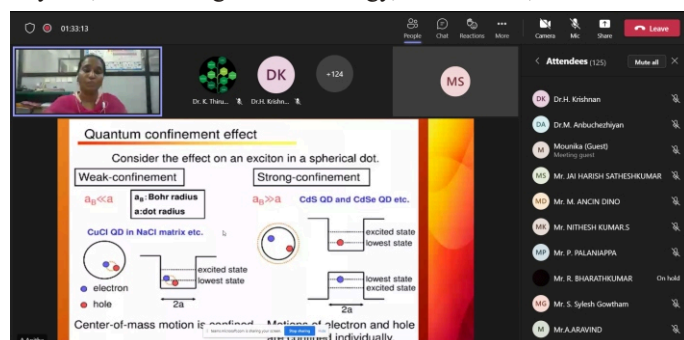
The department of Physics organised an expert lecture on 'Nano Electronic Devices' through online mode on 6th April 2022. The chief guest was Ms A. Anitha, Department of Physics, Faculty of Science, MIT Campus, Anna University, Tamil Nadu.



Expert Lecture on 'Nano Electronic Devices'

The department of Physics organized an expert lecture on 'Hybridization of carbon materials through online mode on 7th April 2022. The chief guest was Dr.S.Nagarajan, Assistant Professor (Grade-1), Department of Chemistry, NIT, Manipur, Longol, Imphal, Manipur, India.

The department of Physics organized an expert lecture on 'Solar cell materials' through online mode on 12th April 2022. The chief guest was Dr Prasanna, Associate Professor, Department of Physics, PSG College of Technology, Coimbatore, Tamil Nadu.



Expert Lecture on 'Solar Cell Materials'

Dr.M.Anbucheziyan, Associate Professor published a paper titled 'Synergistic effect of TiO₂-rGO nanocomposites with Fenton's reagent for the enhanced photocatalytic degradation of nitrophenols in solar light', in the Journal, Applied Physics A-Material Science and Processing, (2022) 128:411.



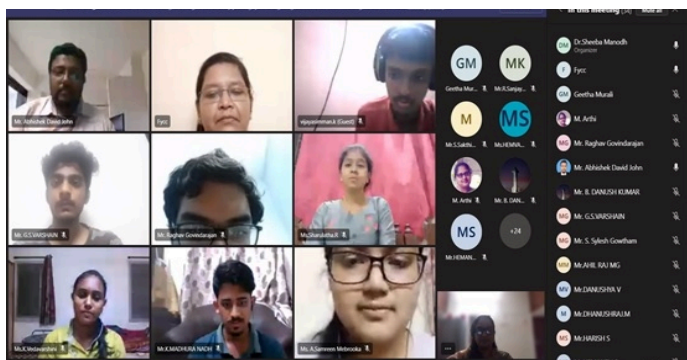
College Day Extravaganza

On 19th May 2022, Cultural day was organized by our college Fine Arts Club Vectorians. The Chief Guest was Mr.Suki Sivam. The Tamil community, spread across the continents, extols Kalai Maa Mani Mr.Suki Sivam as 'Sol Vendher' 'the King of Words'! "An orator par excellence, an inspirational writer, a spiritual scientist, a visionary and a social marketer", are perhaps a few descriptions which may enable us to have an overview of his exquisite personality.

"Mr.Suki Sivam is a double graduate in Economics and Law from the University of Madras and he has to his credit a lengthy list of awards and citations. Apart from the prestigious State Government award of 'Kalai Maa Mani', he has been bestowed with various titles such as Sollin Selver, Sendhamizh Thendral, Soll Vendhar Muthamil Peraringar. etc. to name a few. He inspired the students with his motivating words to achieve more in their life. Our College Alumni Upcoming Star Mr. Raja Vetri Prabhu was an added attraction during the occasion. More than 200 students participated and exhibited their talents in a variety of events such as Dancing, Singing, Instrumentals, Martial Arts and Yoga. The day was filled with grandeur and applause.

Department of English

The department of English, under the auspices of Burke Club organized 'Block and Tackle' competition for the first year students on 22nd April 2022 and 31st May 2022 on MS Teams platform. The students participated eagerly and displayed their public speaking skills.



Burke Club organized 'Block and Tackle' competition

The department of English conducted a session 'Discovering the Hidden Potential by Augmenting Confidence and Self Esteem' for all the first year students in order to hone their personal skills. The session focused on personal development by means of creative activities. The activities were planned in such a way that every student in the class was provided with an opportunity to participate and interact in the session. The session included activities that catered to the limited proficient students as well as bright learners. These sessions provided a platform to promote confidence, goal setting and empowering knowledge.



interactive session on 'Discovering the Hidden Potential by Augmenting Confidence and Self Esteem'

Dr. Sheeba Manodh, Asst.Prof (Sr.G), Ms.V.Jayanthi, Asst.Prof (Sr.G), and Ms.M.Arthi, Asst.Prof (Sr.G), attended the collaboration online webinar on 'Cultural Studies in Malaysia and India (Engaging Culture Through Language and Literature)' by the Faculty of Social Science and Humanities, Tunku Abdul Rahman University College, Malaysia and Hindustan College of Arts and Science, India held on 5th April 2022.

Dr. Sheeba Manodh, Asst.Prof (Sr.G), Ms.R. Geetha, Asst.Prof (Sr.G), Ms.V.Jayanthi, Asst.Prof (Sr.G), Ms.M.Arthi, Asst.Prof (Sr.G), Ms. M.S.Shyamala, Asst Prof (O.G) and Mr.Abhishek David John, Asst.Prof (O.G) completed an NPTEL course titled 'Effective Writing'.

Dr. Sheeba Manodh, Asst.Prof (Sr.G), Ms.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) attended a 3-day international conference 'Notion of Women 'Empowerment in Digital Native' organized by OXFAA University, Madurai, Tamil Nadu between 12th June and 14th June 2022.