

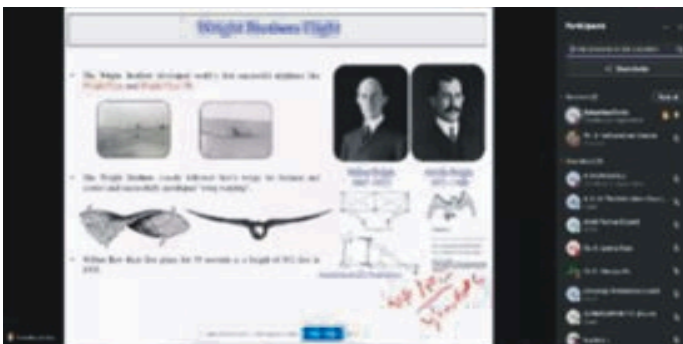


ICSA Proceedings presented to Dr.Ravi Pachamoothoo, Chairman, SRM Group by Dr.B.Chidhambarajan, Principal along with Dr.M.Murugan, Vice-Principal

### Department of Civil Engineering

Mr.N.Arunprakash, Mr.G.R.Iyappan, Mr.S.Karthick, Mr.N.Vinoth Kumar, Ms.E.Maheswari, Ms.J.Nandhini and Ms.Lenshia S Canis completed the UHV SI workshop from 26<sup>th</sup> July 2021 to 30<sup>th</sup> July 2021.

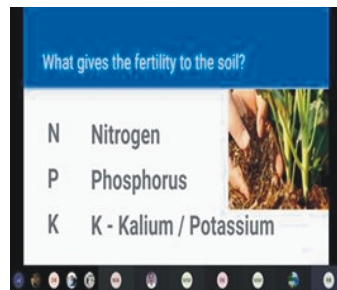
The department of Civil Engineering in association with Institution of Engineers, Institution Innovation Council and Indian Society for Technical Education organized a Technical Talk on 'Challenges in Fluid Mechanics' on 4<sup>th</sup> August 2021 from 02.00 p.m to 3.30 p.m. Around 150 participants including faculty members, students, Industry persons and research scholars from various institutions participated in this online event through Microsoft teams. The guest speaker was Prof. Subashisa Dutta, IIT Guwahati.



Technical Talk on 'Challenges in Fluid Mechanics'

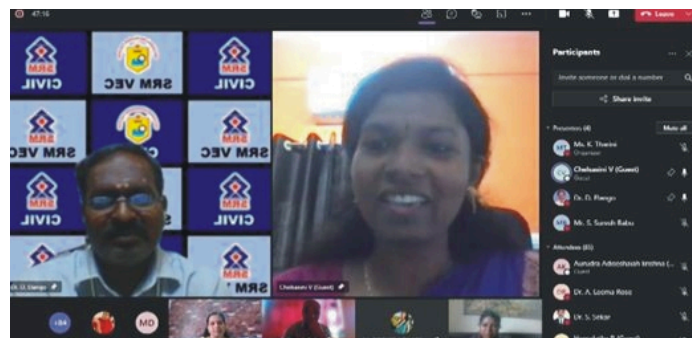
The department of Agriculture Engineering in association with Institution of Engineers, Institution's Innovation Council and Indian Society for Technical Education organized a Technical Talk on 'Improving Soil Fertility by Enhancing Cation Exchange Capacity' on 14<sup>th</sup> August 2021 from 06.00 p.m to 07.00 p.m. Around 75 participants including faculty members, students and

research scholars participated in this online event through Microsoft teams. The guest speaker was Mr. R. Ramarathnam, Lecturer, Government Polytechnic College, DOTE, Guindy, Chennai.



Technical Talk on 'Improving Soil Fertility by Enhancing Cation Exchange Capacity'

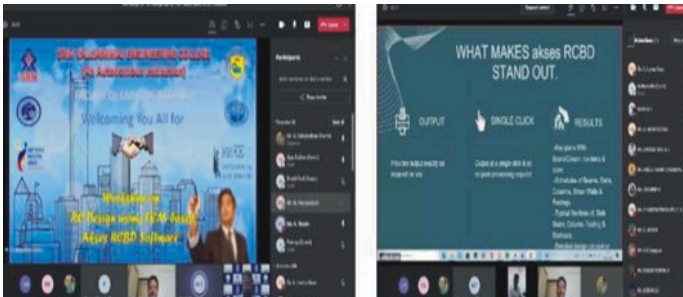
The department of Civil Engineering in association with Indian Society for Technical Education Faculty & Student Chapter, Institution of Engineers (India)-VEC Student Chapter and Civil Engineers association organized the ninth National Level Students Technical Symposium 'CONSTRUO 21' on 28<sup>th</sup> August 2021 in Virtual mode (MS Teams). The symposium was presided by the Head of the department, Dr. D.Elango and it was inaugurated by Ms. V.Chelsasini, IAS, Sub Collector and Sub



National Level Students Technical Symposium 'CONSTRUO 21'

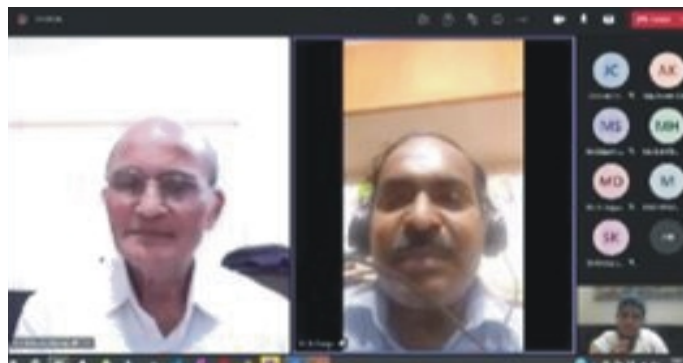
Divisional Magistrate, Kozhikode, Kerala. Ms.V.Chelsasini is an Alumnus of our college. Technical events like paper presentation, poster presentation, technical quiz and non-technical events like bridge-it, adzap, Construo-Reels were conducted. Around 90 technical papers were received, out of which 25 papers were selected for presentation. Totally 108 students from various engineering colleges across Tamil Nadu participated in technical and non-technical events. The best performers were rewarded during the valedictory function.

The department of Civil Engineering in association with Institution of Engineers, Institution Innovation Council, Indian Society for Technical Education & Akses RCBD software organized a workshop on 'RC Design using FEM based Akses RCBD Software' on 30<sup>th</sup> August 2021. Around 75 participants including faculty members, students, Industry persons and research scholars from various institutions participated in this online event through Microsoft teams. The guest speaker was Er. Ajay Kadam, Founder, Chairman, and Managing Director of Ajay Kadam Associates Pvt Ltd.



Workshop on 'RC Design using FEM based Akses RCBD Software'

The department of Civil Engineering, in association with Industry-Institute Partnership Cell, Institution's Innovation Council, Institution of Engineers and Indian Society for Technical Education organized a Technical Talk on 'Making of Durable and Sustainable Concrete' on 24<sup>th</sup> September.2021 from 06.30 p.m to 07.30 p.m. Around 90 participants including external industrial participants, faculty members and students participated in this online Technical Talk through Microsoft teams. The guest speaker was Dr.J.D.Bapat, Development Professional, Consultant and Advisor at Pune, Maharashtra.



Technical Talk on 'Making of Durable and Sustainable Concrete'

The department of Civil Engineering and the department of Agriculture Engineering in association with Institution's



Guest Lecture on 'Incubation Opportunities for Faculty and Student Entrepreneurs'

Innovation Council, Institution of Engineers, Indian Society for Technical Education and Industry-Institute Partnership Cell organized a Guest Lecture on 'Incubation Opportunities for Faculty and Student Entrepreneurs' on 25<sup>th</sup> September 2021 at 06.30 p.m to 07.30 p.m. Around 90 participants including faculty members and students have participated in this online Guest Lecture through Microsoft teams. The guest speaker was Mr.M.Sriraaman, Manager, Annamalai Innovation and Incubation Research Foundation-EDII, Annamalai University.

## Department of Computer Science & Engineering

Dr.M.Senthil Kumar, published a paper on 'Review on IoT as a Development Tool in the Modern World' in UGC-CARE Approved (Group-II) Active Journal, ISSN : 0950-0707, Volume X Issue V, 440-448, May2021.

Dr.M.Senthil Kumar, published a paper on 'Smart Farming A Revolutionary Approach in IoT' in UGC-CARE Approved (Group-II) Active Journal, ISSN No. 1001-1749, Volume XVII Issue VI, 58-64, June 2021.

Dr.M.Senthil Kumar, published a paper on 'Deep Learning - A Revolution' in A Journal Of Composition Theory, A Peer Reviewed / Referred Multi-Disciplinary Journal (An UGC Care Approved Group - II Multidisciplinary Journal), Volume XIV, Issue VI, 38-44, June 2021.

Dr.M.Senthil Kumar, published a paper on 'Inventive Supporter for Sightless People using Deep Learning' in UGC-CARE Approved (Group-II) Active Journal, Vol # 34, Issue# 4, ISSN: 0017-2294, 122-129, April 2021.

Dr.M.Senthil Kumar, published a paper on 'A Strategical Analysis and A Comparative Study on DMF' in UGC-CARE Approved (Group-II) Active Journal, Volume 34, Issue 7 2021, pg-15-19, July 2021.

Dr.M.Senthil Kumar, published a paper on 'Safety and Security in IoT' in Journal of Xi'an University of Architecture and Technology (Scopus and An UGC Care), Volume XIII, Issue 7, ISSN No.: 1006-7930,pg 621-627, July 2021.

Dr.B.Muthusenthil, published a paper on 'Remote Health Monitoring and Abnormality Sensing' in A Journal of Huazhong University of Science and Technology, ISSN-1671-4512, June 2021.

Ms.N.Poornima, published a paper on 'SybilSort Algorithm a friend request decision tracking recommender system in online social networks' in Applied Intelligence(Springer) <https://doi.org/10.1007/s10489-021-02578-x>, May 2021

Mr. M. Mayuranathan and Dr.V.Dhanakoti, published a paper on 'Enhanced security in cloud applications using emerging blockchain security algorithm' in Journal of Ambient Intelligence and Humanized Computing, DOI:10.1007/s12652-020-02339-7, July 2021.

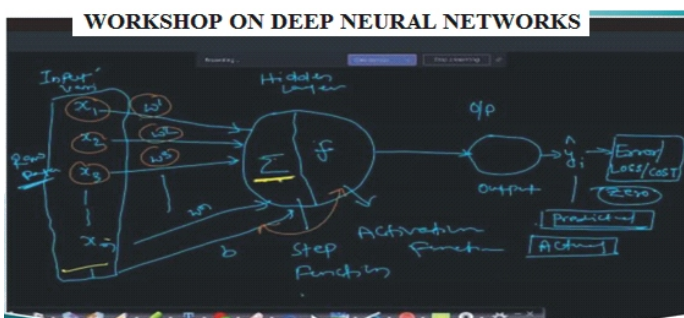
Dr.V.Dhanakoti and Dr.B.Muthusenthil, published a paper on 'Data Finder: Image Processing Using Python' Research Article, Volume 12, Issue 5 4416-4427, Jul 2021.



Motivational Talk on 'Finding the purpose of learning Engineering'

A Motivational talk was conducted for CSE Students on 'Finding the purpose of learning Engineering' on 19<sup>th</sup> July 2021, the resource person was Dr.Isaral V.M.V Enoch, Professor & Head, Centre for Nano Science in Karunya University, Coimbatore. The second day (23rd July 2021) session was addressed by Dr.P.Mani, Assistant professor, Department of Physics, Anna University BIT campus-Trichy entitled 'Prepare to lead'. 115 students from CSE department participated in this event.

A workshop was conducted on 'Deep Neural Networks' in association with Centre of Excellence for Data Analytics and Machine learning (CoE-DAML), SRM VEC- CSI student branch, ISTE, Institutions Innovation Council, held on 31<sup>st</sup> July 2021(Saturday) through Microsoft Teams (online). The resource person was Mr.Kumar Sundaram, Data Scientist, Imarticus Learning, Machine Learning Engineer, AI and Deep Learning Trainer Chennai. 147 participants attended the workshop which included the students and staff.



A workshop was conducted on 'Ethical Hacking' in association with Centre of Excellence for Data Analytics and Machine learning (CoE-DAML), SRM VEC- CSI student branch, ISTE, Institutions Innovation Council, held on 5<sup>th</sup> September 2021. The resource person was Mr.S.Ram Sundar, Director of Hebsec Technologies, who gave a very informative lecture regarding, anti-social elements and suggested the necessary steps for the organizations across the country must take to enhance the security of its websites. 120 Participants attended the workshop which included the students and staff.



A Guest Lecture was conducted on 'Cyber Threats' held on 2<sup>nd</sup> August 2021 in association SRM VEC-CSI student branch, ISTE, Institutions Innovation Council through MS Teams. The



resource person was Dr.B.Ezhilavan, Managing Director, VEI Technologies, Chennai. The session started with the inauguration. He explained the concepts of cyber threats like phishing, denial of service, man in the middle attack etc. Mr.K.Udhayprakash demonstrated various cyber threats happening in real life scenarios. The students interacted by answering the basics of phishing, SQL injection, OS installation concepts. 45 participants attended the Guest Lecture which included the students and staff.

A Guest Lecture was conducted on 'Finding cyber threats by using Big Data Analytics and AI' held on 27<sup>th</sup> August 2021 in association SRM VEC-CSI student branch, ISTE, Institutions Innovation Council through MS Teams. The resource person was Mr.N.Ragavendran, Founder, Director of RR Infotech and Katthukko Learning Academy, Trainer and Cyber Security Consultant, Chennai. He explained the concepts of basic cyber threats and the role of Big Data & AI to combat emerging cyber threats. 85 participants attended the Guest Lecture which included the students and staff.

### GUEST LECTURE ON FINDING CYBER THREATS BY USING BIGDATA ANALYTICS AND AI



The Mini Project Expo-2K21, in association with the CSI Student Branch was conducted on 28<sup>th</sup> September 2021 for the CSE Students. There were 80 participants (II year and III year students) from the department of Computer Science and Engineering. There were 22 projects exhibited by these students. The students were well motivated to do these projects. Mr. Jerome Melkisdak, COE, Stigmata Techno Solutions Palavanthangal, Chennai judged these projects.



Dr. B. Muthusenthil/Asso.Prof successfully completed the online Orientation Training Programme for mentors organized



Orientation Training Programme for mentors



Ms. R.A.Priyanka [CSE Batch 2012-2016], an alumna is one among the winning battalion of youngsters chosen for Civil Service in 2021.



A great moment of pride to see one of our students R.Priyanka CSE Batch 2012-2016 outshine victory at its best, standing one among the winning battalion of youngsters chosen for Civil Service and sharing the screen space with our Honourable Chief Minister Mr. M.K. Stalin.

from 14th June 2021 to 18<sup>th</sup> June 2021 under National Initiative for Technical Teachers Training.

Dr.M.Senthil Kumar was the resource person in a 'CSI Induction Programme' conducted by the Jeppiar Engineering College in association with JCE CSI student branch chapter and CSI Kancheepuram chapter on 24<sup>th</sup> August 2021.



Dr.D.Kavitha has been selected as the 'Best Young Researcher Award' on 11<sup>th</sup> September 2021 by the 3rd International Academics and Research Excellence awards (IARE 2021), an International initiative by GISR foundation to honor and acknowledge exceptional caliber, outstanding performance and extraordinary talent as researcher, academician, mentor, advisor and thought leader.



Best Young Researcher Award

Dr.M.Senthil kumar was the resource person in an AICTE sponsored STTP at Anand Institute of technology on 20<sup>th</sup> September 2021.



Mr.K.Shanmugam was awarded the 'SE.VE. Best Teacher Award' held on 5<sup>th</sup> September 2021 for Multiple Talents in the field of Teaching and Dr.Sarvapali Radhakrishnan Award-2021 from SE.VE Record holder Forum Puducherry.



SE.VE. Best Teacher Award

Our Student Chandru.J was awarded ISTE Best Student for the Year 2020.

## Department of Electrical & Electronics Engineering

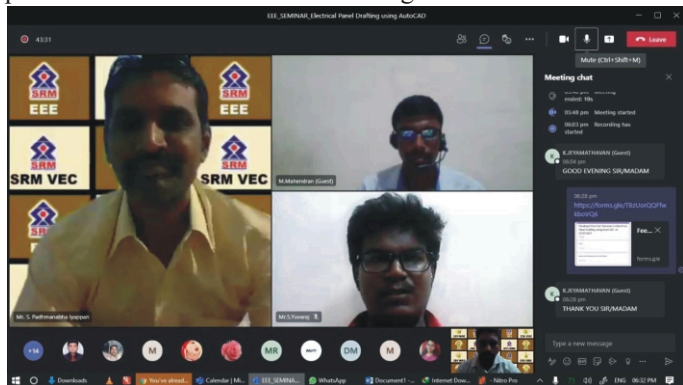
The department of EEE has signed a Memorandum of Understanding (MoU) with BESTMACH Industry on 4<sup>th</sup> August 2021.

The department conducted a Guest Lecture on the topic 'Embedded Systems based control applications in Electrical Engineering' on 18<sup>th</sup> August 2021 through virtual mode. The session was presented by the resource person Mr.S.Subramanian, IOT Developer, Niraltex Solutions Private Limited, Chennai, who is the alumna of our college.



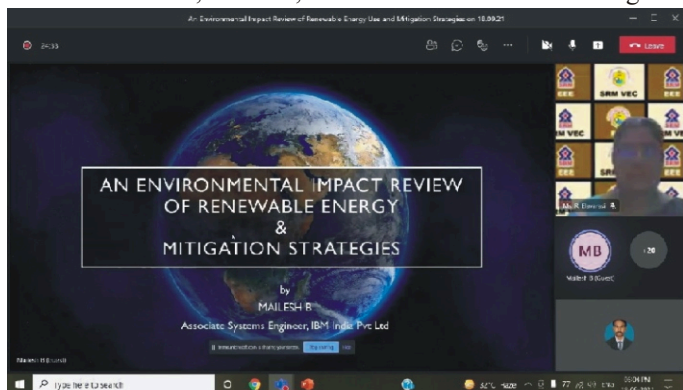
Guest Lecture on the topic 'Embedded Systems based control applications in Electrical Engineering'

The department conducted a one-day seminar on the topic 'Electrical Panel Drafting using AutoCAD' on 2<sup>nd</sup> September 2021 through virtual mode. Mr. M. Mahendran, Associate Software Engineer, Accenture India Pvt Ltd, Chennai was the resource person who is the alumnus of our college.



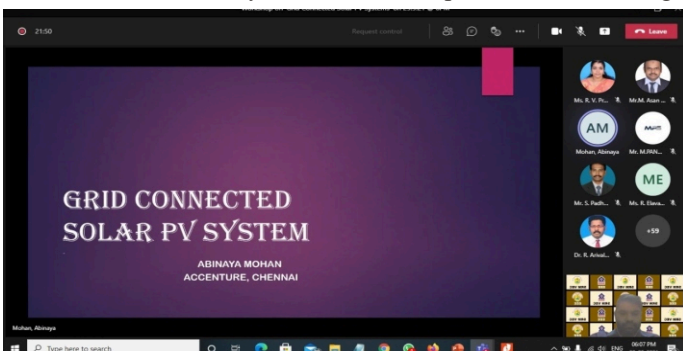
Seminar on 'Electrical Panel Drafting using AutoCAD'

As a part of Renewable Energy Club, a Guest Lecture was conducted on the topic 'An Environmental Impact Review of Renewable Energy Use and Mitigation Strategies' on 18<sup>th</sup> Sept. 2021 through virtual mode. The session was presented by the resource person Mr. B. Mailesh, Associate Software Engineer, IBM India Pvt Ltd, Chennai, who is the alumnus of our college.



Guest Lecture on 'An Environmental Impact Review of Renewable Energy Use and Mitigation Strategies'

The department conducted a workshop on the topic 'Grid Connected Solar PV Systems' on 29<sup>th</sup> September 2021 through

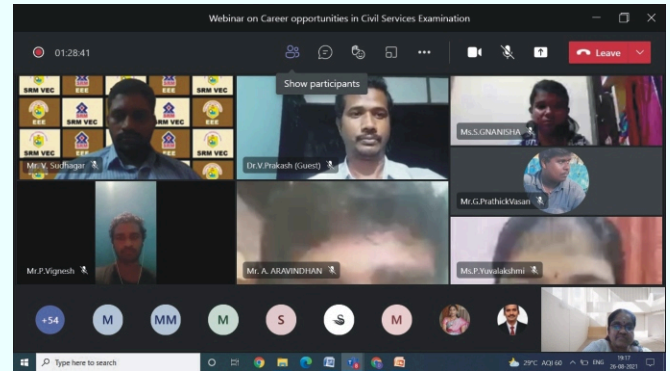


Workshop on 'Grid Connected Solar PV Systems'

virtual mode. The session was presented by the resource person Ms. Abinaya Mohan, Application Development Associate, Accenture, Chennai, who is the alumnus of our college.

## STUDENT AFFAIRS CELL

The Student Affairs Cell of SRM Valliammai Engineering College organized an expert webinar on 'Career Opportunities in Civil Services' on 26<sup>th</sup> Aug 2021 in the online mode MS-Teams. Dr. V. Prakash, Coordinator, Jeevanjyothi Institute of Administrative Services gave a presentation on the career opportunities in Civil Services for the students from all departments. He briefly explained the eligibility requirements and the guidance for effective preparation for these examinations conducted by UPSC and TNPSC.



The Coordinators of Student Affairs Cell Dr. N. Usha Bhanu, Prof/ECE, and Dr. M. Senthil Kumar, Asso. Prof /CSE with the support of department Coordinators of all departments organized the programme effectively. The students clarified their doubts regarding TNPSC and UPSC examinations details with the resource persons. Totally, 124 students from different departments participated and benefited from the Webinar.

## DEPARTMENT OF GENERAL ENGINEERING

Dr. S. K. Saravanan, AP(Sel.G) attended a one day Faculty Refresher Programme on 9<sup>th</sup> July 2021 through online mode.

Dr. S. K. Saravanan, AP(Sel.G) attended an International Workshop on 'Data Science Applications using ML and DL Techniques' organized by Chalapathi Institute of Engineering and Technology, Guntur A.P on 19<sup>th</sup> July 2021 through online mode.

Dr. S. K. Saravanan, AP(Sel.G) attended a two-week International Faculty Development Programme 'The Era of Change Recent Advancements of Machine Learning in Terms of AI and IOT' organized by SRMIST, Ramapuram Campus, Chennai from 12<sup>th</sup> to 25<sup>th</sup> July 2021 through online mode.

Dr. S. K. Saravanan, AP(Sel.G) attended a webinar on 'Artificial Intelligence and Machine Learning Applications' organized by Chalapathi Institute of Engineering and Technology, Guntur A.P on 9<sup>th</sup> Aug. 2021 through online mode.

Dr. S. K. Saravanan, AP(Sel.G) attended a 'Virtual Education Conclave 2021' with the theme of Sustainable Growth of Academia and Industry under the aegis of new Educational Policy organized by FICCI TNSC on 28<sup>th</sup> Aug. 2021 through online mode.

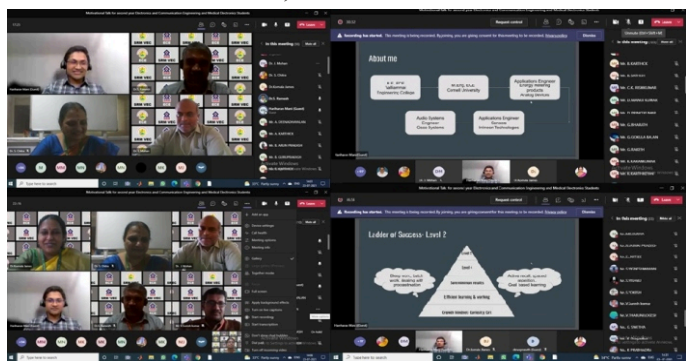
Dr. S. K. Saravanan, AP(Sel.G) and Dr. S. Parthasarathy, AP(Sel.G) published a research article 'An Efficient Credit Card Fraud Detection Approach using Machine Learning Techniques' in the International Journal of Research and Analytical Reviews (IJRAR) in Volume 8, Issue-3 with ISSN-2349 5138 in September 2021.

Mr. M. Prabakaran, AP(Sr.G) attended a five-day ATAL FDP on 'Finite Element Method' at M.B.M Engineering College, Jai Narain Vyas University, Jodhpur from 17<sup>th</sup> to 21<sup>st</sup> Aug. 2021 through online mode.

Mr. K. Karthick, AP(O.G) attended a five-day AICTE programme on 'Universal Human Values (UHV)', conducted by Sethu Institute of Technology, Virudhunagar from 27<sup>th</sup> Aug. 2021 to 1<sup>st</sup> October 2021 through online mode.

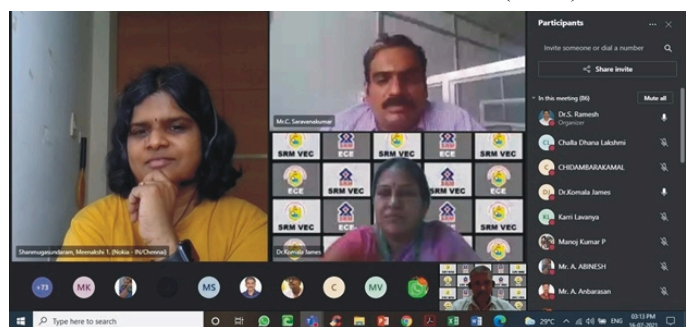
## Department of ECE & Medical Electronics

The Department of Electronics and Communication Engineering in association with IIC, ISTE & IETE Students Forum conducted a motivational talk for the second year Electronics and Communication Engineering and Medical Electronics students on the title 'Keeping Curiosity Alive' on 23<sup>rd</sup> July 2021. The resource person of the event Mr. Hariharan Mani, Audio Systems Engineer, Cisco Systems, California, USA inspired the students with his impressive speech and highlighted the need to study the fundamentals and as to how to get into the core industry gradually. The event coordinators were Dr.J.Mohan, A.P. and Dr. N. Subhashini, A.P.



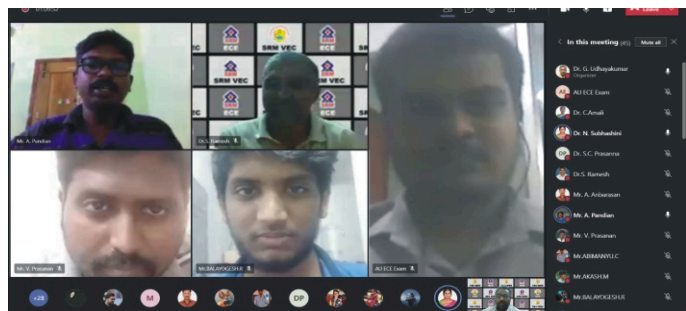
motivational talk for the 2nd year students on 'Keeping Curiosity Alive'

The Department of ECE conducted a motivational talk on 'Choosing a Career in Communication Engineering' for third year ECE & Medical Electronics students on 16<sup>th</sup> July 2021 via online mode (Microsoft Teams) in association with IIC, ISTE, IETE student's forum & SRM VEC CSI student branch. The speaker Ms.S.Meenakshi, Programme Manager, Nokia Networks, Chennai, delivered a talk on career, preparation towards core companies, corporate, balance and purpose in life. About 119 students from the third year and the faculty of the department participated in the session. This webinar was coordinated by Dr. N. Usha Bhanu/ Professor, Dr. S. Ramesh/ Associate Professor and Mr. C. Saravanakumar/ Assistant Professor (Sel.G).



Motivational talk on 'Choosing a Career in Communication Engineering' for 3rd year Students

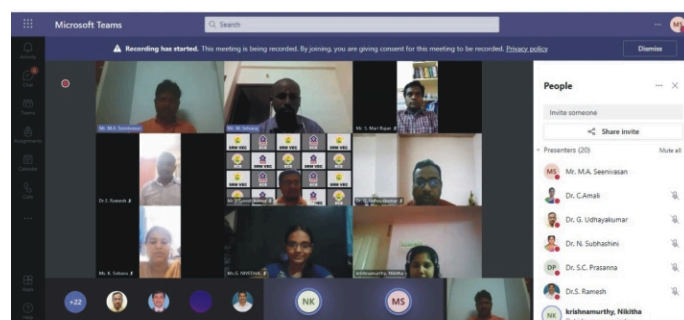
The Department of ECE in association with IIC, ISTE & IETE Students Forum conducted a motivational talk for the final year students on the title 'Career Opportunities IoT and Network Support' on 23.07.2021. Dr. Komala James, Professor & Head welcomed the aspiring fourth year students who were stepping



Motivational talk for the 4th year students on 'Career Opportunities IoT and Network Support'

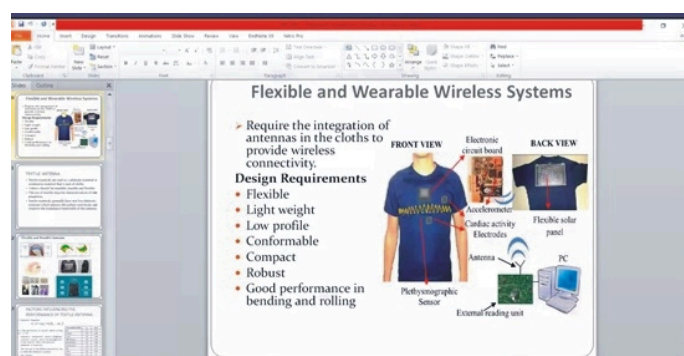
into the department. Dr. Komala James gave a glimpse of the department's learning environment, available facilities, qualified faculty members, courses offered. The resource person Mr.K.Rajesh, IT Executive, ISMAT, Chennai (Alumnus 2018) delivered speech on 'IoT career opportunities in the network based industries'. Dr.G.Udhayakumar/Associate Professor proposed a vote of thanks.

The Department of ECE conducted a School Orientation Programme on 'Opportunities in Engineering Career' on 12<sup>th</sup> July 2021 in association with IIC, ISTE, and IETE Students Forum & SRM VEC CSI Student Branch. The Guest speaker Ms.K.Nikitha, Software Analyst, Accenture, Chennai delivered a motivational speech on 'Importance of Engineering degree' and she pointed out the available courses after 12<sup>th</sup> standard. The session was further taken over by the Guest speaker Ms.G.Nivetha, Application Development Engineer at Mindtree, Chennai. She shared her experience during her college life, job opportunities available in the industries and developing skills in the engineering platform. This orientation programme was coordinated by Mr. M. Selvaraj/ Assistant Professor and M.A.Seenivasan/Assistant Professor.



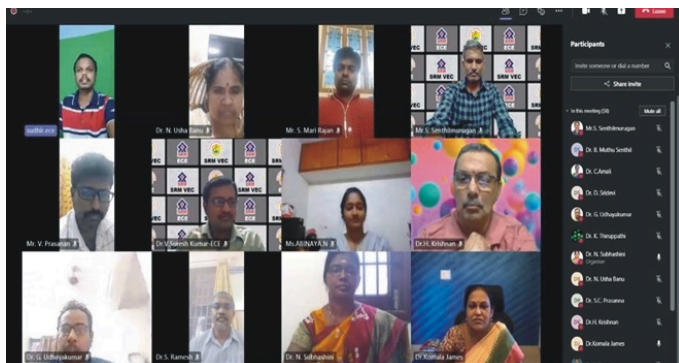
School Orientation Programme on 'Opportunities in Engineering Career'

The Department of ECE conducted a seminar on 'Flexible and Wearable Antenna for Wireless Communications' on 16<sup>th</sup> July 2021 in association with IIC, ISTE, IETE Students Forum and SRM VEC CSI Student Branch. The Guest speaker Ms.T.Annalakshmi, Associate Professor, Department of ECE, New Prince Shri Bhavani College of Engineering and Technology, delivered a lecture on 'Flexible and Wearable Antenna for Wireless Communications'. This Seminar was coordinated by Dr. V. Suresh Kumar/ Assistant Professor and Ms.K.Sobana/ Assistant Professor.



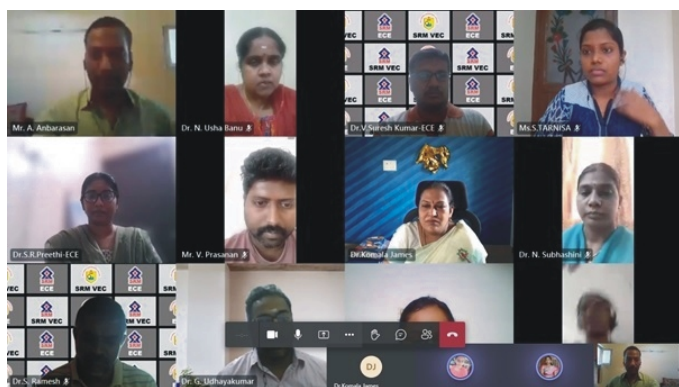
Seminar on 'Flexible and Wearable Antenna for Wireless Communications'

The Department of Electronics and Communication Engineering conducted a webinar on the title 'Trends and Innovations in Industrial IoT' on 17<sup>th</sup> August 2021 in coordination with the Institution's Innovation Council (IIC) and in association with the ISTE, IETE Students Forum, and SRM VEC CSI Student branch. The chief guest Mr. Harishankar. B, Senior Platform Software Developer Automotive - Electronic Control Unit, Robert Bosch Engineering, and Business Solutions (Alumnus 2016) delivered a lecture on the emergence of Industry 4.0 and data transmission. This programme was coordinated by Dr.N.Subhashini/ Assistant Professor, Mr. S. Senthilmurugan/ Assistant Professor and Mr. T. V. Sudhir/ Assistant Professor.



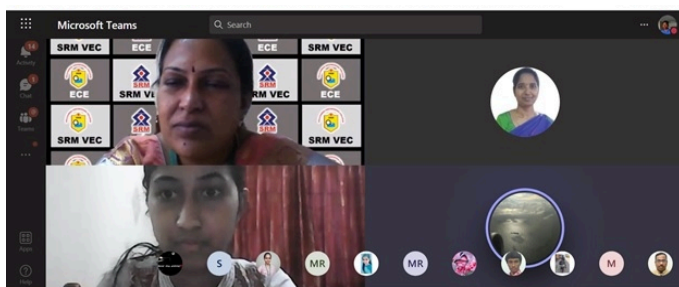
Webinar on the title 'Trends and Innovations in Industrial IoT'

The Department of ECE conducted the 19<sup>th</sup> National level Technical Symposium on 28<sup>th</sup> August 2021, in association with the IIC, ISTE & IETE Students Forum and SRM VEC- CSI students' branch in online mode. Dr. Komala James, Professor & Head/ ECE and convener of TARAS2K21 delivered the welcome address and inaugural speech. She advised the students to take part in the events conducted, interact with the students and faculty members. She also motivated the students to develop team building and good interpersonal skills. This symposium was coordinated by event coordinators Dr. S.R.Preethi/ Assistant Professor and Mr. A. Anbarasan/ Assistant Professor.



National level Technical Symposium

The Department of ECE organised the 'Mini Project Expo 2K21' for the second, third and final year students in association with the IIC, ISTE & IETE Students Forum and SRM VEC- CSI students' branch in online mode on 28<sup>th</sup> September 2021. The students exhibited their PPT presentation through MS Team and gave a demonstration of their project. The best three projects from batch-1 and batch-2 were selected based on the knowledge and skills in the technical aspects, hardware demonstration and presentation. The event coordinators were Dr. G. Udhayakumar, Assoc. Prof. and Mr. A.Pandian, Asst. Prof.



'Mini Project Expo 2K21'

As a part of being the NITTT Mentor, Dr. J. Mohan/ Associate Professor-MDE delivered a lecture on Learning Management System and Orientation towards Technical Education and Curriculum Aspects to the faculty members to improve teaching and learning skills on 9<sup>th</sup> July 2021.



NITTT Programme

Mr. C. Saravana Kumar/ Asst Prof and Dr. N. Usha Bhanu has been awarded the Scholastic Award for the paper titled on 'Fault diagnosis of Gate Level 2 to 1 Multiplexer in FinFET Technology in the session 30<sup>th</sup> July 2021 at the 4th IEEE International Conference on Systems, Computation, Automation and Networking (Virtual Mode) organized by Manakula Vinayagar Institute of Technology.

Dr. N. Usha Bhanu received a fund approval for Rs.93,000/- for conducting Six Day AICTE ISTE Induction / Refresher Programme titled 'FPGA for Low Power IoT' for the month of November 2021.

Dr. Preethi Sambandam Raju/ Asst Prof completed the AICTE Training and Learning (ATAL) Academy Online Elementary FDP on 'Data Analytics using Python/R Programming' from 23<sup>rd</sup> August 2021 to 27<sup>th</sup> August 2021 at National Institute of Technology Puducherry, Karaikal.

Dr. Komala James/Prof and Head ECE participated in a webinar titled 'Intellectual Property Rights' organized by Research and Development Cell, MSME and III Cell at P.S.R Engineering College, Sivakasi on Thursday 5<sup>th</sup> August, 2021.

Dr. Komala James/Prof and Head ECE was invited as a resource person to deliver a speech on 'Self-Motivation and Positive Thinking' in Dept of ECE, DMI College of Engineering on 18<sup>th</sup> August 2021.

Dr.Preethi S R (Asst.Prof./ECE), Dr.M.Murugan (Prof./ECE) and Revathi A R. (Asso.Prof./IT) published a Chapter entitled, "Perspectives of Machine Learning and Deep Learning in Internet of Things and Cloud: Artificial Intelligence-Based Internet of Things System" in Velayutham S. (Edited.), Challenges and Opportunities for the Convergence of IoT, Big Data, and Cloud Computing, Chapter 14, pp. 248-264, 2021, (Publisher: IGI Global). <http://doi:10.4018/978-1-7998-3111-2.ch014>.

Dr.M.Murugan (Prof./ECE), et al. published a paper entitled, "Rounded square ring resonator based add drop filter for WDM applications using two dimensional photonic Crystals", Optical and Quantum Electronics (2021) 53:273, <https://doi.org/10.1007/s11082-021-02924-w>

Poornima, N. (Asst.Prof./CSE), Dr.Murugan, M. (Prof./ECE) published a paper entitled "SybilSort Algorithm - a friend request decision tracking recommender system in online social networks", Journal of Applied Intelligence, July 2021, Pub. Springer, <https://doi.org/10.1007/s10489-021-02578-x>

Dr.M.Murugan (Prof./ECE), et al. published a paper entitled, "Contactless Entry System for Covid-19 Prevention Using Hybrid Architecture", International Journal of Aquatic Science, 2021, Vol 12, Issue 2, pp.2827-837. [http://www.journal-aquaticscience.com/article\\_134346.html](http://www.journal-aquaticscience.com/article_134346.html)

Mr. A. Pandian/ Asst Prof presented a paper on ' A Texture analysis of reaction diffusion level set evolution of multiple

Sclerosis lesions in Brain MR Images' at SSN College of Engg and published the paper in IEEE Explorer in Aug. 2021.

Dr. N. Subhashini/Asst Prof was invited as a resource partner to deliver a speech on 'Insights into Signals and Communication using MATLAB' for the students of the department of ECE, DMI College of Engineering, Chennai on 22<sup>nd</sup> September 2021.

Dr. V. Sureshkumar/ Asst Prof published a patent on the title 'Design system using AES Data Security in field programmable Gate Arrays (FPGA) for Autonomous Robot dated on 6<sup>th</sup> August 2021 in Indian Patent Office. (Application No: 202141033794A)

SRM Valliammai Engineering College, Kattankulathur received IETE life Organizational Membership with membership No G00600 in September 2021, Dr. Komala James, Mr.C.Saravanakumar and IETE Team were appreciated for their teamwork.

Mr. G. Sankar Babu, 4<sup>th</sup> Year ECE student won the first prize and received cash Rs.1,00,000 (One lakh rupees only) at State level Speech Competition held at Trichy on the occasion of National Poet Bharathiyar Centenary Memorial on 12<sup>th</sup> September 2021.

## EDITORIAL

The Chief Editor : **Dr. B. Chidhambara Rajan**, Principal, VEC

Editors : **Dr. M. Murugan**, Vice Principal, VEC  
**Ms. M. Chitra**, Asst. Prof.(Sr.G), Head, Dept. of English  
**Ms. M. Arthi**, Asst. Prof.(Sr.G), Dept. of English

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

## Department of Placement & Career Guidance

The following Placement Training programme were conducted for the 2022 Batch Placement Registered students from 09.07.2021 to 21.07.2021.

### Name of the Training Training Company

|                     |             |
|---------------------|-------------|
| Aptitude            | FACE        |
| Soft Skill          | ProWhiz     |
| HR Techniques       | ProWhiz     |
| Technical           | Vformations |
| Mock GD & Interview | Vformations |

During the month from July to September 2021, the following companies visited for Campus Drive

- Josh Technology Group - 14th July, 2021
- Cognizoft - 04.08.2021
- Avasoft - 4th Aug 2021
- Accolite - 10.08.2021
- Cognizant (GenC Next Hiring of 2022) - 14th August 2021
- Mu Sigma - 21.08.2021
- KaarTechnologies- Selected 6 Students
- WIPRO - 01.09.2021 - 48 Selected
- Cognizant (GenC and GenC Elevate Hiring of 2022) - Sep 4, 2021, Sep 11, 2021 122 Selected
- Accenture - 29-Sep-21 127 Selected
- Softcrylic - 24.09.2021
- TCS - Selected List 68 Selected

## National Service Scheme



Awareness for Vaccination of Covid-19 to Custodians

The goal of the World Immunization drive is to urge greater action on immunization. It was given to highlight the role that can play by working together to ensure that every citizen gets the vaccines they need. This year's theme: "Protected Together, Vaccines Work", encourages people to go further in their efforts to increase immunization coverage for the greater good. Based on these, Dr. S. Parthasarathy, NSS Programme Officer stressed that vaccination of such a large population is extremely challenging, and thus cooperation between workers is extremely important to enable the execution of this arduous task on 05<sup>th</sup> July 2021 at SRM Valliammai Engineering College. He explained how to protect yourself and the entire population from contracting dangerous diseases and from preventing outbreaks and pandemics.

He also demonstrated that vaccines protect against diseases and by continuously vaccinating, it is even possible to eradicate completely like smallpox. He pointed out that vaccines create immunity in the body with small acceptable side effects like fever and pain. Finally he concluded that it protects the body if ever exposed to this disease again in the future. Vaccines, in general, are effective in limiting the spread of disease by providing immunity. When individuals are immune to a disease, they are unable to be infected by it, and they will not be able to pass it on to others.

Sadbhavana Diwas, a day of goodwill over others is celebrated all over India on the 20<sup>th</sup> of August every year to commemorate the birth anniversary of our late Ex. Prime Minister, Shri Rajiv Gandhi. It was

initiated to encourage national integration, peace, love, affection and communal harmony amongst Indians of all religions. A pledge taking ceremony was conducted at 11.00 am on 19<sup>th</sup> August 2021 by Dr. S. Parthasarathy, NSS Programme Officer.

He provided thought provoking insights, i.e to avoid violence and to promote good will among people. Thereafter, the pledge was administered by the NSS Programme Officer to the students and the faculty.

The Government of India organized Fit India Freedom Run 2.0 throughout the country, as a part of the Azadi Ka Amrit Mahotsav celebrations. The aim of the initiative is to encourage people to take up fitness activities such as running and sports in their daily lives and to stay away from obesity, laziness, stress and diseases. Youth Affairs and Sports Minister Anurag Thakur launched the Nationwide programme on 13<sup>th</sup> August 2021.

The NSS Unit of SRM Valliammai Engineering College participated in this event from 16<sup>th</sup> August 2021 to 30<sup>th</sup> Sept. 2021. Tentatively 2 events of run / brisk walks had been proposed till 30<sup>th</sup> Sept., depending upon their interest virtually by following the Covid-19 protocols. 38 volunteers have enrolled for the events. Participants ran or walked a minimum of 2 km for girls, and 3 km for boys at their own pace. They recorded their activities by using a mobile application like Strava, Step Tracker, etc., And they shared the screen shots of the application after every end of run / walk. E-certificate to all participants will be issued by the Government of India.



Observance of Sadbhavana Diwas



## SRM VEC CSI Student Branch

The SRM Valliammai Engineering College Computer Society of India Student Branch organized a competition 'PRO-CODER'. The event was held on 18<sup>th</sup> July 2021, 133 students registered for the event and 75 students participated in the beginner's level round from which six students were selected for Pro Debugging round and three students were selected as winners. The participants were given points based on the number of errors they spotted in the snippet. On the day of the event, candidates were shown presentations on python snippets. The participants were evaluated based on the answers, knowledge of the topic and complexity of the coding. The first place was given to Santhosh Kumar. G from VIT Chennai and the Second place and third place were secured by Bhubesh.M from SRM Valliammai Engineering College and Mahaalakshmi.B from KCG College of Technology respectively.



The SRM Valliammai Engineering College Computer Society of India Student Branch organized an event 'Logo Linker'. In this event, more than 30 students participated. The event was conducted on 21<sup>st</sup> July 2021 which had two rounds. In the first contest 'Logo Creation', the participants had to choose a topic and design a logo for the topic they choose. They had to explain why they had created such a logo. The best eight candidates were selected for the second round. In the second contest 'Decrypt The Logo'. The first place was secured by Dinesh Kumar. M - SRM Institute of Science and Technology, the second place by Deeraj.R - SRM Valliammai Engineering College, and the third place was secured by Sree Rethanya.K - SRM Valliammai Engineering College.



The SRM Valliammai Engineering College Computer Society of India Student Branch organized an event 'INFOGRAPHICS'. In this event, around 50 students participated. The event was conducted on 31<sup>st</sup> July 2021 where the participants were asked to submit their Infographics pdf through the google form which was sent to their mails on the day of the event. The result was evaluated on the bases of originality, innovation, quality of information and style. The winners were finalized as Thomas.A from Loyola College (Arts and Science) who secured the first place; Krishnapriya.M from Sri Sairam Institute of Technology who obtained the second place and Hemamalini.T from SRM Valliammai Engineering College who secured the third place.



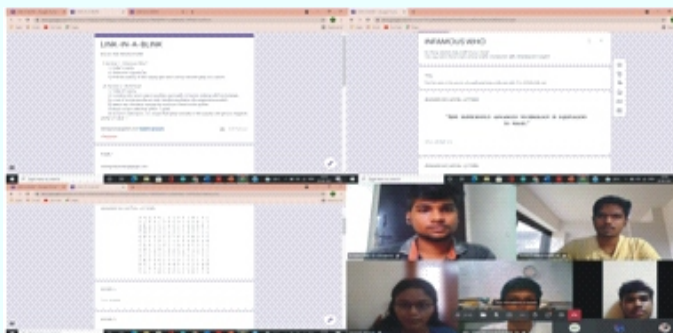
The SRM Valliammai Engineering College Computer Society of India Student Branch organized the 'Obsi-Recite' event. More than 64 students participated in the event. The event was conducted on 8<sup>th</sup> August 2021 and had two rounds. In the first round, the participants displayed some images and were asked questions regarding the pictures. The participants who gave more correct answers were shortlisted for the second round. The participants were evaluated by screening the visual content. The participants who answered more questions were selected. The winners were Naresh Kumar.S from SRM Valliammai Engineering College secured the first place; Karan.K from Hindustan College of Engineering and Technology, Coimbatore who obtained the second place and Janani.J from Avinashilingam University Higher Educational Institute, Coimbatore who secured the third place.



The SRM Valliammai Engineering College Computer Society of India Student Branch organized the 'PERPLEX PATTERN' event. More than 90 students participated in the event. The event was conducted on '22<sup>nd</sup> August 2021' and had two rounds. In the first round the participants answered about 25 MCQ and descriptive types based on C++ coding language. The participants who answered the maximum number of questions were shortlisted to the second round. In the second round, the participants were given a set of C++ pattern code and the winners of the event were selected based on the maximum number of correct answers and they were also marked negative for every wrong answer. The winners were George Thomas from Panimalar Institute of Technology secured the first place; Karan Kumar.R from SRM Valliammai Engineering College secured the second place; Karthikayan.N from College of Engineering, Guindy secured the third place.



The SRM Valliammai Engineering College Computer Society of India Student Branch organized the 'Link-A-Blink' event. More than 64 students participated in the event. The event was conducted on 29<sup>th</sup> August 2021 and had two rounds. In the first round, the participants were sent google forms through mails which comprised two sections. The first section consisted of infamous who and the second section consisted of word search. The participants who scored more marks were selected. In the second round, we conducted connections. The winners are Suriyapriya.S from Francis Xavier Engineering College, secured the first place. Karthikeyan.N from College of Engineering, Guindy secured the second place. Kishore.D from DMI College of Engineering and Arvind.P from SRM Valliammai Engineering College has secured third place.



The SRM Valliammai Engineering College Computer Society of India Student Branch organized the 'Code-A-Flaw' event. More than 50 students participated in the event. The event was conducted on 19<sup>th</sup> September 2021 and had two rounds. In the first round, the participants were sent google forms through mails which consisted of 20 questions. The participants who scored more marks were selected for the second round. In the second round, an event named 'Errorify' was conducted. The winners were Juode Jones.J from PSNA College of Engineering, secured the first place. Ranjith.R from SRM Valliammai Engineering College secured the second place. Shreya Sridhar from St.Joseph's College of Engineering secured the third place.



The SRM Valliammai Engineering College Computer Society of India Student Branch organized the 'HIDDEN-IN-A-SIGHT' event. More than 40 students participated in the event.

## Department of Electronics & Instrumentation Engineering

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

Guest Lecture on 'Goals on Business Distribution' delivered by Mr.P.Enoch Thomas, CEO cum Proprietor, TOMS bicycle Studio and its Franchise, Vellore on 3<sup>rd</sup> August 2021.

Workshop on 'Advancement in Automation of Battery Technology' conducted by Ms. S. Hemavathi, Scientist, CSIR -

The event was conducted on 26<sup>th</sup> September 2021 and had two rounds. In the first round, the participants were asked to solve the crossword given to them. The participants who scored the maximum were selected for the second round. In the second round, the participants were asked to explain the picture captured by them through MS Team. The winners were Abinaya.S Coimbatore Institute of Technology, who secured first place. Akshaya.V from A.V.C College of Engineering who secured the second place. Swetha Dharshini.S from SRM Valliammai Engineering College who secured the third place.



The support of Dr.B.Chidhambarajan (Principal, SRMVEC), Dr M.Murugan (Vice Principal, SRMVEC) and Dr.B.Vanathi (HOD, Department of CSE) gave the platform for the students. The guidance of CSI staff coordinators Dr.M.Senthil Kumar (Associate Professor, Department of CSE), Dr.S.Ravikumar (Assistant Professor, Department of IT) and Mr.V.Santhana Marichamy (Assistant Professor, Department of General Engineering) brought the competition to a great end.

All the above mentioned events ended in grand success due to the guidance of CSI Student Branch Counsellor Dr.M.Senthil Kumar (Associate Professor, Department of CSE), who supported us in coordinating the event.

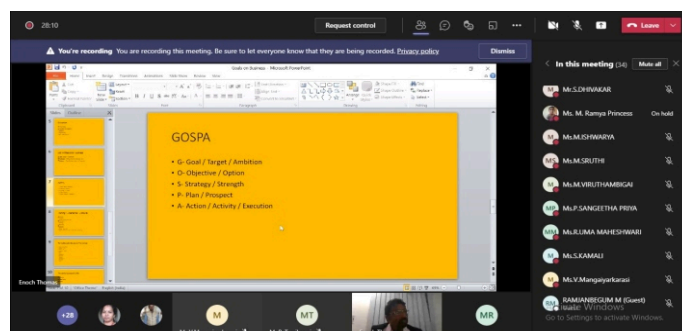
## NPTEL Local Chapter

Mr. G Swaminathan / MBA was the topper in Managerial Skills for Interpersonal Dynamics NPTEL online course during the period January to April 2021.

Mr. K. Guru Assistant Professor/MBA was recognised as NPTEL Discipline Star in Management subject in January-April 2021.

Dr. A. R. Revathi Associate Professor / IT and Dr. S. Raja Assistant Professor / MBA successfully completed NPTEL AICTE Faculty Development Programme online course on Python for Data Science and Effective Writing respectively.

Nearly 121 students and 4 Faculty members successfully completed the NPTEL online examination during the period January to April 2021 from SRM Valliammai Engineering College NPTEL Local Chapter.



Guest Lecture on 'Goals on Business Distribution'

Central Electrochemical Research Institute Chennai Centre, CSIR Madras Complex, Chennai on 5<sup>th</sup> August 2021.



Workshop on 'Advancement in Automation of Battery Technology'

Seminar on 'Business Acumen' delivered by Mr. Subramaniam Annamalai, Managing Director & Dealer Principal, Annamalai Motors Pvt. Ltd- Renault on 3<sup>rd</sup> Sept. 2021.



Seminar on 'Business Acumen'

Awareness Programme exclusively on 'A Vision for the future of engineering education' delivered by Mr. Jayaprakash Gandhi, Career Guidance Consultant and Analyst on 20<sup>th</sup> September 2021 for school and Polytechnic Students.



Awareness Programme on 'A Vision for the future of engineering education'

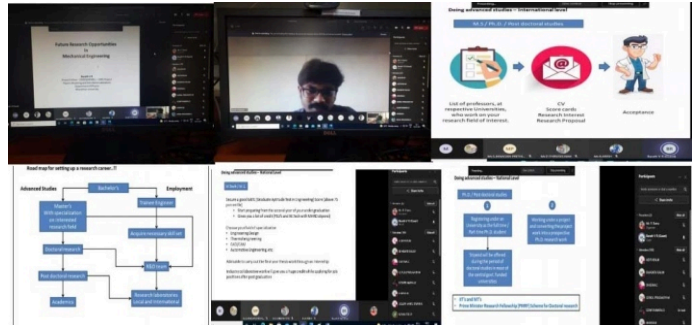
Mini Project Expo was conducted on 28<sup>th</sup> September 2021 for the third year EIE students. Ajay Krishnan R, Aswin M and Santhosh R of III year were awarded the first prize, for the project titled 'Air Quality Monitoring and Sound Indication in Auto-Mobile'.



Mini Project Expo

## Department of Mechanical Engineering

A Motivational Guest Lecture on 'Future Research Opportunities in Mechanical Engineering' was conducted through online mode on 19<sup>th</sup> July 2021. The resource person Mr. V.R. Barath, Research staff at Plasma Modeling and Simulation Laboratory, Department of Physics, Bharathiar University, Coimbatore, delivered the expert talk on the following topics:

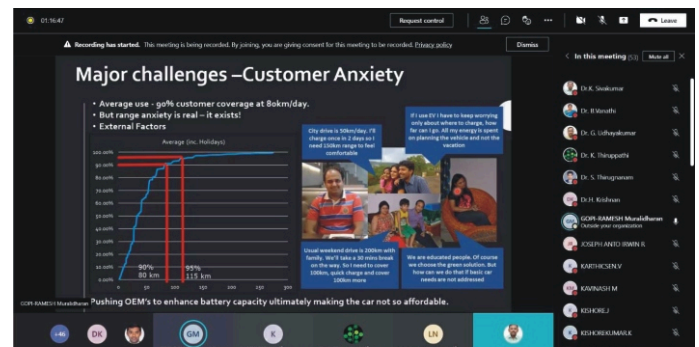


Motivational Guest Lecture on 'Future Research Opportunities in Mechanical Engineering'

- Research opportunities in the mechanical engineering field.
- How to apply for government research project proposals?
- How to start Ph.D with Gate stipend in India?
- Gate CGPA for direct PhD in IISc, IITs, PSU's Job through gate score and recruitment process for PSU job.
- How to identify research areas?
- How to write a research project proposal to a government agency to get scholarships?

A total of 162 students participated in the session.

A Guest Lecture on 'Electric Vehicle Scope, Future and Challenge' was conducted through online mode on 31<sup>st</sup> July 2021. The resource person Mr. Muralidharan Gopi Ramesh, M.S., MBA., Project Manager, Nissan Motors India Private Limited, Chennai, delivered the expert lecture on the following topics:



Guest Lecture on 'Electric Vehicle Scope, Future and Challenge'

- The current scenario of the automobile industry.
- Scope for the evolution of Electric vehicles.
- Global market and scenario of the E- vehicle introduction in the near future.
- Various technologies in Battery production and vehicle design to have better efficiency.
- Nissan motor company and its work towards E-vehicle.
- Scope for developing the E vehicle and the subsidy from the government to take forward the E-vehicle.
- Challenges to be faced after the introduction of the E-vehicles.
- Cost comparison with IC engine vehicles and E vehicles.

A total of 53 members participated in the guest lecture.

A Guest Lecture on 'Automotive Mechatronics' was conducted through online mode on 19<sup>th</sup> August 2021. Mr.N.Nagamanikkam, B.E., Project Manager, Ashok Leyland Limited, Chennai delivered the expert lecture on the following topics:

- Automobile Plant ■ Press shop ■ Weld shop ■ Axle shop ■ Frame shop ■ Body shop ■ Programmable logic controller ■ Engine control unit ■ Transmission line ■ Final assembly line

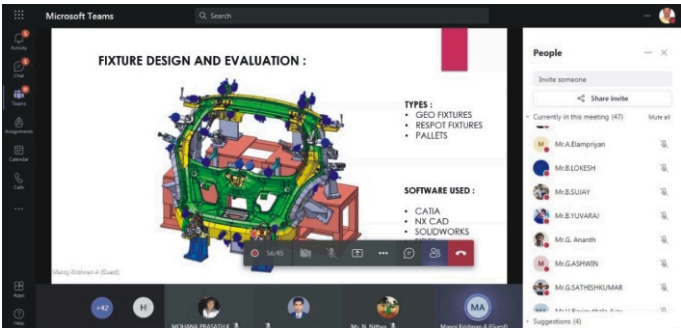
The topics covered were very useful for everyone to learn about how the robotics and automation techniques are used in the automobile industry. A total of 50 members participated in the guest lecture.



Guest Lecture on 'Automotive Mechatronics'

A Guest Lecture on 'Innovation in Digital Manufacturing' was successfully conducted through online mode on 24<sup>th</sup> August 2021. The resource person Mr. A. Manoj Krishnan, B.E., Senior Engineer, Ford Global Technology and Business Centre, Chennai, delivered the expert lecture on the following topics.

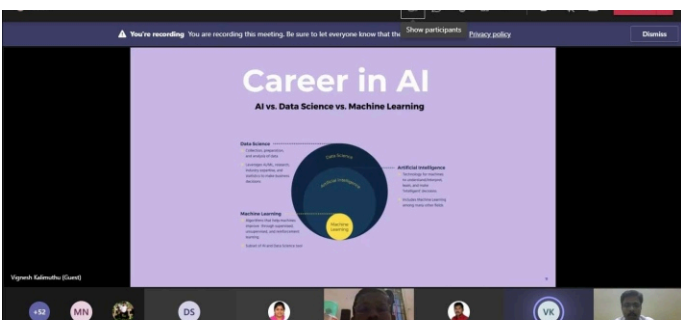
- Digital manufacturing ■ Industrial revolution ■ Automotive industry 4.0 ■ Implementation in automotive industry ■ BIM introduction ■ BIM manufacturing methodology ■ Real time manufacturing. 55 members participated in the guest lecture.



Guest Lecture on 'Innovation in Digital Manufacturing'

A Guest Lecture on 'Career Development in Artificial Intelligence' was conducted through online mode on 25<sup>th</sup> August 2021. The resource person Mr.Vignesh Kalimuthu, Alumnus, B.E.,M.S., Head of Business Development & Growth, Super AI, Berlin, Germany delivered the expert lecture on the following topics:

- Introduction about Artificial Intelligence ■ Impact of Technological development and AI in the business sectors



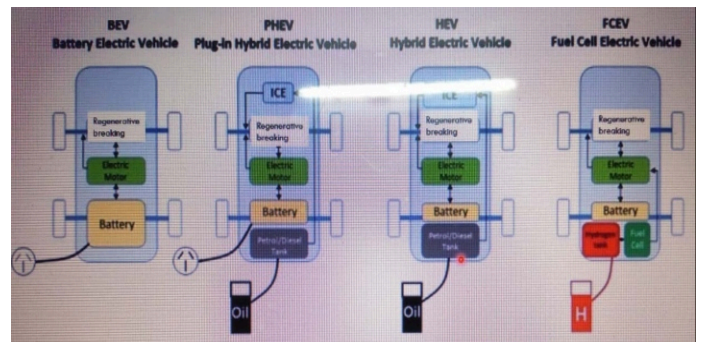
Guest Lecture on 'Career Development in Artificial Intelligence'

- Concept of TESLA ■ Control and execution work of AI assisted robots ■ Concept of Data Science ■ Machine learning concept ■ Career scope of AI ■ Application of AI on Autonomous vehicles

The topics covered were very useful for everyone to learn about how the concepts of AI used in various applications. 51 students participated in the guest lecture.

A Guest Lecture on 'Recent Trends in Automobile Industries' was conducted through online mode on 28<sup>th</sup> August 2021. The resource person Mr. Shankar Thirunavukarasu, B.E, M.B.A, Deputy Manager, Power Train-Engine Department, Renault Nissan Technology and Business Centre India Private Limited, Chennai, delivered the guest lecture on the following topic:

- Trends that are driving the transformation of the automotive industries. ■ Trends in automotive future is electrified, autonomous, shared, connected and yearly updated (EASCY) ■ Concept of autonomous vehicle ■ Derivation trends in passenger car ■ Global annual passenger and usage of available resources ■



Guest Lecture on 'Recent Trends in Automobile Industries'

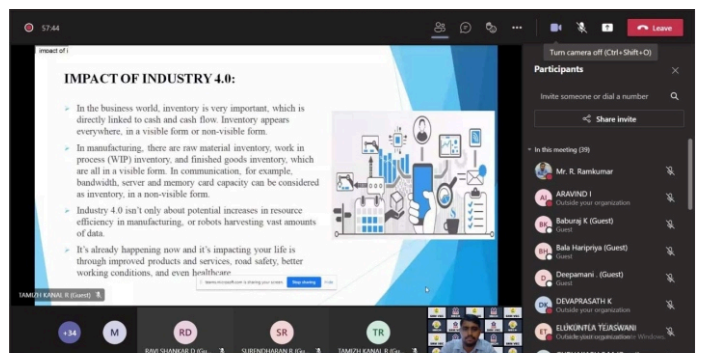
- Oil import dependency factors ■ Concept of battery, plug in, hybrid, fuel cell electric vehicle ■ Role of various types of batteries in electric vehicles ■ Various comparisons with cost, speed and load condition ■ Various types of cars sharing modern techniques ■ Usage of liquid nitrogen-based vehicles

A total of 23 members participated in the guest lecture.

The 9<sup>th</sup> National Level Technical Symposium MEQNZO - 2021, was organized on 04.09.2021. The primary objective of the symposium is to bring together the academicians and practitioners in Mechanical Engineering and other associated fields in the online platform, to share their knowledge and expertise, so as to contribute towards research and development in the field.

The following technical events were conducted:

- Paper Presentation ■ Mequiz ■ CAD Modelling ■ Non-technical events like photography



National Level Technical Symposium MEQNZO - 2021

About 80 papers on diverse topics encompassing Manufacturing, Design, Thermal Engineering including recent trends in other fields of Engineering & Technology were received for the symposium, from reputed institutes across the country. A total of 138 students participated in various events.

A Guest Lecture on 'E-Mobility in India-Challenges, Technologies, Market and Opportunities' was conducted through online mode on 25.09.2021. The resource person Er.M.Poovarasam, Technical Leader-ADAS, ZF Wabco, Chennai, delivered the expert lecture on the following topics:

- Introduction to E-Mobility
- Innovation in Automobile fields
- Application of artificial intelligent (AI) and internet of things (IOT) in cars
- Autonomous Vehicle Development
- Types

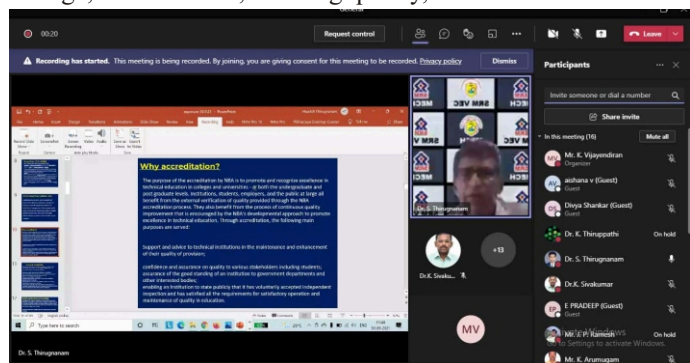


Guest Lecture on 'E-Mobility in India-Challenges, Technologies, Market and Opportunities' of Electric Vehicle ■ Typical E-Vehicle Anatomy ■ Validation in Digital Manufacturing ■ ADAS Technologies ■ Recent advancement in the area of automobile engineering

The topics covered were very useful to the budding engineers. A total of 50 members registered and 30 members participated in the guest lecture.

A Webinar on 'Exposure to Budding Engineers, An Insight to Choosing an Engineering Course' was successfully conducted for +2 students through online mode on 30<sup>th</sup> September 2021. The resource person Dr.S.Thirugnanam, Professor, Department of Mechanical Engineering, SRM Valliammai Engineering College Chennai, delivered the expert speech on the above topic. He covered various job opportunities and scopes of Engineers. He also discussed the following topics.

- Why Engineering?
- A career offering a huge range of rewards
- TNEA Counselling
- Choose your best college, Infrastructure, Teaching quality, Placement
- Benefits of



Webinar on 'Exposure to Budding Engineers, An Insight to Choosing an Engineering Course'

NAAC & NBA Accreditation, Autonomous Institution status ■ About SRM VEC & various details in SRM VEC website ■ Various branches of engineering ■ Job opportunities in Government sector, Private Sector.

A total of 56 members registered out of which 36 members participated in the guest lecture.

Dr.K.Sivakumar, HoD/Mech published a paper on 'Mechanical Strength and Fatigue Fracture Analysis on Al-Zn-Mg Alloy with the Influence of Creep Aging Process' in Advances in Material Science and Engineering, Hindawi, Volume 2021 , Article 1899128, <https://doi.org/10.1155/2021/1899128>

Dr.K.Sivakumar, HoD/Mech published a paper on 'Parameters Optimization of Dissimilar Friction Stir Welding for AA7079 and AA8050 through RSM' in Advances in Material Science and Engineering, Hindawi, Volume 2021 |Article ID 9723699, <https://doi.org/10.1155/2021/9723699>

Dr.K.Sivakumar, HoD/Mech and Mr.S.Sivasankar, Asst.Prof published a paper on 'Effect of rib arrangements on the flow pattern and heat transfer in internally ribbed rectangular divergent channels' in the Journal of Materials Today: Proceedings, <https://doi.org/10.1016/j.matpr.2020.11.548>

Dr.K.Sivakumar, HoD/Mech published a paper on 'Experimental investigation on emissivity of 75Ni-25Cr alloy coated Aluminium surface for the purpose of solar applications' in the Journal of Materials Today: Proceedings, Elsevier, Volume: 37, Pages: 1320-1323

Dr.S.Thirugnanam , Professor, was the resource person for the 7 day National Level Online Faculty Development Program on Metrology and Measurements from 19<sup>th</sup> July 2021 to 26<sup>th</sup> July 2021 held at Sri Sairam Engineering College.

## Department of Physical Education

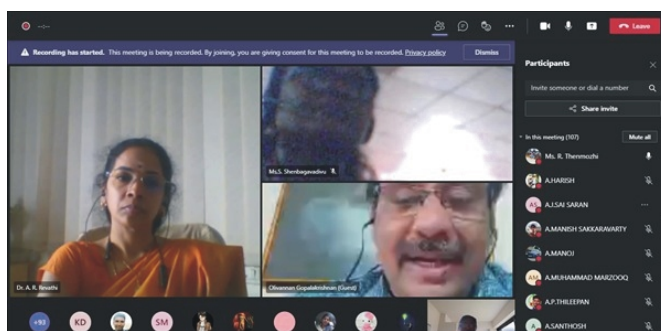


The Department of Physical Education organized the Fit India Freedom Run 2.0 from 16<sup>th</sup> August to 30<sup>th</sup> September 2021. 722 members participated and covered a distance of 2232 kms.



## Department of Information Technology

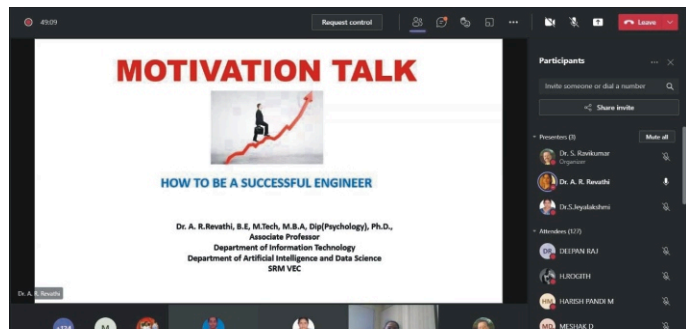
Motivational Talk on 'To Seedbed Micro-Entrepreneurial Engineers by Awakening the Rampant Dexterity' was organized on 15<sup>th</sup> July 2021 for IT students and the resource person was Mr.G.Olivannan, CEO, Emerald Publishers, Chennai, and the



Motivational Talk on 'To Seedbed Micro-Entrepreneurial Engineers by Awakening the Rampant Dexterity'

coordinators were Ms.R.Shanthi,A.P and Ms.R.Thenmozhi,A.P

A motivational talk on 'How to become a Successful Engineer' was organized on 20<sup>th</sup> July 2021 for IT and AI&DS students and the resource person was Dr.A.R.Revathi, Associate Prof. & Head, Dept.of Information Technology, SRMVEC and the coordinators were Dr.S.Jeyalakshmi, A.P and Dr.S.Ravikumar.A.P



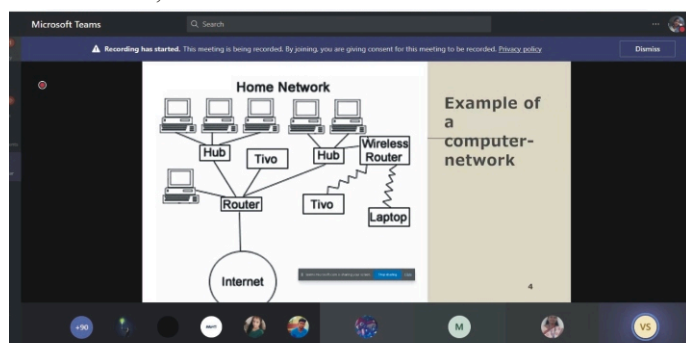
Motivational Talk on 'How to become a Successful Engineer'

A Guest Lecture on the 'Digital Hygiene' was organized on 29<sup>th</sup> July 2021 and the resource person was Mr.Vaithilingam Thirumalaikani,. Senior Technical Architect for Wipro, Bangalore. The coordinators were Dr.D.Sridevi, A.P and Dr.S.Sekar,A.P.



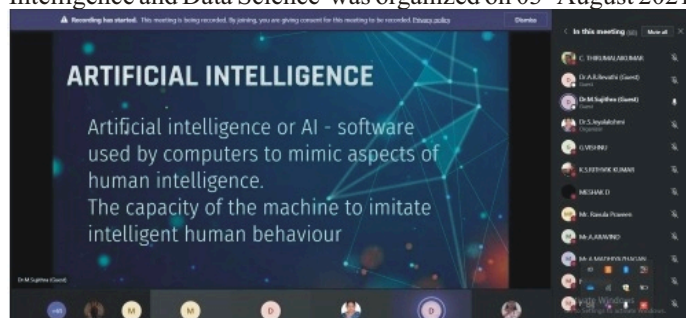
Guest Lecture on 'Digital Hygiene'

A National webinar on the 'Overview of Computer Networks' was organized on 30<sup>th</sup> July 2021 and the resource person was Mr. Vimal P R S. ZOHU Corporation ManageEngine, Japan. The coordinators were Ms.S. Shenbagavadivu, A.P and Ms.R.Shanthi,A.P.



National webinar on 'Overview of Computer Networks'

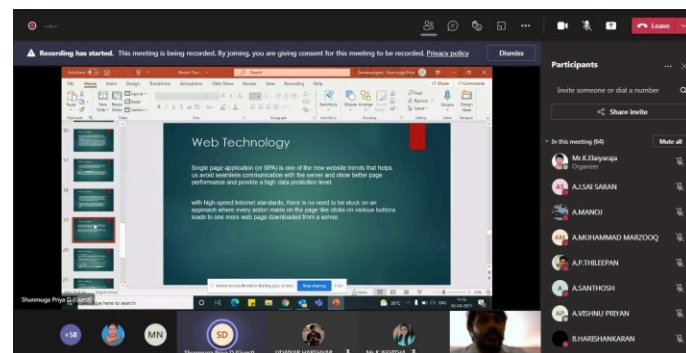
A National Seminar on the 'Fundamentals of Artificial Intelligence and Data Science' was organized on 03<sup>rd</sup> August 2021



National Seminar on the 'Fundamentals of Artificial Intelligence and Data Science'

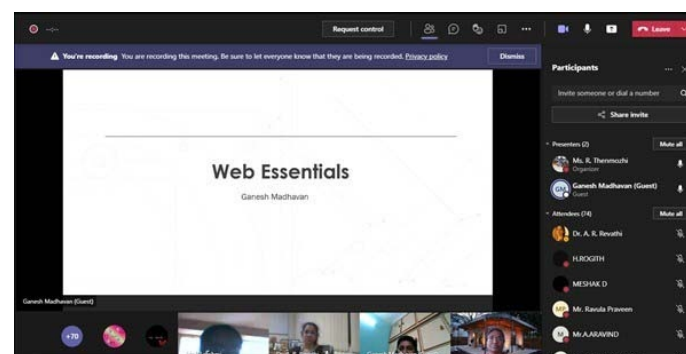
and the resource person was Dr. M. Sujithra, Department of Computing Data Science, Coimbatore Institute of Technology, Coimbatore. The coordinators were Dr. S. Jeyalakshmi, A.P and Ms. K. Mohanambal, A.P.

A Guest Lecture on the 'Recent Trends in Web Technology' was organized on 06<sup>th</sup> August 2021 and the resource person was Ms.D.ShunmugaPriya, Application Development Senior Analyst, Accenture,(Alumni of Batch: 2012-2016). The coordinators were Mr.K.Elaiyaraja, A.P and Mr.Asan Nainar, A.P



Guest Lecture on 'Recent Trends in Web Technology'

A National webinar on the 'Web & Script Essentials' was organized on 10<sup>th</sup> August 2021 and the resource person was Mr.Ganesh Madhavan Senior IT Manager Flex, Chennai. The coordinators were Ms.R.Lakshmi, A.P and Ms R.Thenmozhi, A.P.



National webinar on 'Web & Script Essentials'

A National webinar on the 'Cloud Computing' was organized on 17<sup>th</sup> August 2021 and the resource person was Mr. R.Satheesh Kumar, Lead Software Engineer, Comcast Chennai. The coordinators were Ms.S.Sandhya,A.P and Dr.S.Narayanan,A.P.



National webinar on the 'Cloud Computing'

A National Seminar on the 'Advanced Java Programming' was organized on 17<sup>th</sup> September.2021 and the resource person was Mr.Vignesh Ganesan, Assistant Consultant, Tata Consultant Services, Chennai. (IT Alumni Batch: 2008-2012). The coordinators were Dr.S.Ravikumar, A.P and Mr.R.Sankaranarayanan, A.P.



An online Motivational Talk, சிறகுகளை விரிப்போமா? was organised by the Dept. of Management Studies for the XII Standard School Students on 25.09.2021. Dr. V. Amutha, Assistant Professor, Dept. of Educational Technology, Bharathidasan University, Trichy delivered the lecture.

Dept. of Management Studies in association with the Institution Innovation Council, organised an online Guest Lecture on 26<sup>th</sup> September 2021. Mrs. Sujaya Rao, COO & Co-Founder, Future Edu delivered a lecture on 'Entrepreneurial Business Model'. The session was followed by Mrs. Sangeetha Arunachalam, Founder- Kadaiveedhi, who delivered a lecture on 'Entrepreneurial Finance'. 120 students from various departments of the institution participated and benefited from the program.



## Department of Physics

Dr.H.Krishnan completed Module 8: Institutional Management and Administrative Procedures of National Initiative for Technical Teachers Training (NITTT).

Dr.S.Gandhimathi received a certificate of appreciation for translating 'Quantum Mechanics' lectures in NPTEL Swayam course.

Dr.K.Thiruppathi completed AICTE Training And Learning (ATAL) Academy online elementary FDP on 'Food Processing, preservation and cold storage' from 4<sup>th</sup> to 8<sup>th</sup> July 2021 at IIT, Kharagpur.

Dr.M.Anbuechziyan published a research paper titled 'An efficient photocatalytic degradation of nitrophenols using TiO<sub>2</sub> as a heterogeneous photo-Fenton catalyst' in the Springer international Journal 'Reaction Kinetics, Mechanisms and Catalysis' on 9<sup>th</sup> July 2021.

Dr.K.Thiruppathi participated in the FDP on 'Importance of Innovation and IPR in Academia' delivered by Dr. Ramesh Chandra Panda, Dean R&D Cell, Synergy Institute of Engineering and technology, organized by department of Physics, SRM TRP Engineering College, Trichy on 10<sup>th</sup> July 2021.

Dr.K.Thiruppathi participated in the Virtual International Conference on 'Revolution and Transformation in Culture and Myth in all Disciplines' (RTCMD-2021) organized by Immaculate College For Women, Cuddalore from 14<sup>th</sup> to 16<sup>th</sup> July 2021.

Mrs.R.Nithya Balaji, Mrs.R.Sasireka and Mrs.Ramya Rajan M.P attended a four week course on 'The story of Photoelectric

effect' organized by Centre for Development of Technical Education, IIT-Kanpur from 15<sup>th</sup> July 2021 to 14<sup>th</sup> August 2021.

Dr.M.Anbuechziyan published a research paper titled 'Theoretical and experimental study of new nonlinear optical material nicotinohydrazide' in the World Scientific Publishers Journal of Nonlinear Optical Physics and Materials on 21<sup>st</sup> July 2021.

Dr.K.Thiruppathi completed AICTE Training And Learning (ATAL) Academy Online Elementary FDP on 'Effective Team Work' from 26<sup>th</sup> to 30<sup>th</sup> July 2021 at IIT,Bhubaneswar.

Dr.K.Thiruppathi presented a paper titled 'Characterization of Magnetorheological Fluid Using XRD and VSM' in the National Conference on Advanced Materials and Engineering Applications(NCAMEA-2021) organized by Department of Physics, PERI Institute of Technology, Chennai from 5<sup>th</sup> and 6<sup>th</sup> August 2021.

Dr.S.Gandhimathi published a research paper 'Unprecedented sulphonated poly(ether ketone)bismuth cobalt zinc oxide composites: physicochemical and electrochemical performance in fuel cell' in the Journal of Materials Science: Materials in Electronics on 7<sup>th</sup> August 2021.

Dr.S.Gandhimathi published a research paper entitled 'Sulfonated polystyrene-block-poly(ethylene-ran-butylene)-block-polystyrene based membranes containing CuO@g-C<sub>3</sub>N<sub>4</sub> embedded with 2, 4, 6-triphenylpyrylium tetrafluoroborate for fuel cell applications' in soft matter , Berlina Maria Mahimai on 16<sup>th</sup> August 2021.

Dr.K.Thiruppathi participated in a two week International workshop on 'Emerging Trends in the field of Science and Technology' organised by the Department of Physics, Satyabhama Institute of Science and Technology, Chennai through Zoom Video Communications from 16<sup>th</sup> to 28<sup>th</sup> August 2021.

Mrs. R. Sasireka completed an online short course FDPOM - 66 Counselling for Student Development FDP 'Counselling for student development' conducted by NITTTTR from 13<sup>th</sup> to 17<sup>th</sup> September 2021.

Dr.M.Anbuechziyan and Mrs.S.Sowmiya completed AICTE Training And Learning (ATAL) Academy FDP on 'Nanomaterials and Nanotechnology' (virtual mode) organized by Defence Institute of Advanced Technology, Pune from 20<sup>th</sup> to 24<sup>th</sup> September 2021.

Mrs.R.Nithya Balaji completed AICTE Training And Learning (ATAL) Academy FDP on 'Photonics' (virtual mode) organized by department of Physics, Electronics, and Photonics, Rajashri Shahu Mahavidyalaya (Autonomous), Lathur from 20<sup>th</sup> to 24<sup>th</sup> September 2021.

Mrs.R.Sasireka and Mrs.Ramya Rajan M.P completed AICTE Training And Learning (ATAL) Academy FDP on 'Novel materials-Advances and Applications' (virtual mode) organized by NIT Raipur from 20<sup>th</sup> to 24<sup>th</sup> September 2021.

Mrs.R.Nithya Balaji acted as a resource person in the orientation programme, 'Resonance-Physics for Budding Technocrats' for the first-year students organized by Oragadam Sri Venkateswara College of Technology, Pondur, Sriperumbadthur on 30<sup>th</sup> September 2021.

Total number of webinars attended by the faculty = 17.





## Department of Chemistry

Dr. P. Maheswari participated in a one Week Virtual Faculty Development Programme on 'Tools used in Digital Training and Learning' organized by Shri S.R. Gandhi Arts, Commerce and Science College, Mudhol, held from 05<sup>th</sup> to 10<sup>th</sup> July 2021.

Dr. L. Devaraj Stephen completed the Journal Citation Reports (JCR) Certification Series-2021, conducted by Clarivate Analytics, on 8<sup>th</sup> July 2021.

Dr. S. G. Gunasekaran and Ms. M. Meera participated in a three day 'Examination Reforms Workshop' in online mode jointly conducted by AICTE and Chitkara University, Punjab from 8<sup>th</sup> to 10<sup>th</sup> July, 2021.

Dr. L. Devaraj Stephen participated in the FRP on 'Effective Class Room' organized by IQAC Cell of KCS Kasi Nadar College of Arts and Science, Chennai, on 9<sup>th</sup> July 2021.

Dr. S. G. Gunasekaran and Dr. P. Maheswari completed a three day national level virtual FDP on 'Recent Chemistry Applications in Environment and Human Health' organized by K.Ramakrishnan College of Engineering, Trichy, held during 12<sup>th</sup> July 2021 to 14<sup>th</sup> July 2021.

Dr. P. Maheswari participated and successfully completed AICTE Training and Learning (ATAL) Academy Online FDP on 'Electrospinning Nanofibers: Science, Technology and Applications' from 12<sup>th</sup> July 2021 to 16<sup>th</sup> July 2021 at Indian Institute of Information Technology, Nagpur.

In the 'International Virtual Conference on Advances in Chemistry and Materials (ICCM-2021)' organized by Saveetha Engineering College, held from 21<sup>st</sup> July 2021 to 22<sup>nd</sup> July 2021, the staff noted below presented papers.

Dr. L. Devaraj Stephen presented a paper on 'Surface and Interface Control of the Metal Centered  $\text{CoIII}(\text{tn})2\text{Cl}(\text{L})2+$  with nm-TiO<sub>2</sub> in Binary Solvent Mixtures-A Visible Light Driven Photocatalysis'.

Dr. J. Krishnamurthi presented a paper on 'Anion-Responsive Urea Tacked Polymer Gels for the Detection of Fluoride Ion'.

Dr. S. G. Gunasekaran presented a paper on 'Multi-Walled Carbon Nanotube reinforced Maleimido Terminal Phenylene Core Imine Skeletal Based Polybenzoxazine (MWCNT/PBZ) Hybrid Nanocomposites'.

Dr. P. Maheswari presented a paper on 'The Metal ion Rejection Studies and Performance of PEES /Nano-ZnO/poly(vinyl pyrrolidone) Ultrafiltration Membranes'.

Mr. V.Arivalagan presented a paper on 'Nanotitania Reinforced Imine Skeletal Phenyl Based Polybenzoxazine (nTiO<sub>2</sub>/PBZ) Nano Composites'.

Ms. M. Meera presented a paper on 'Nanosilica reinforced Thiophenyl Pendent pyridine core Imine skeletal Polybenzoxazine (nSiO<sub>2</sub>/PBZ) hybrid Nanocomposites'.

Dr. P. Maheswari completed AICTE Training and Learning (ATAL) Academy Online FDP on 'Novel Materials and their Applications' from 19<sup>th</sup> July 2021 to 23<sup>rd</sup> July 2021 at Maharaja Ranjit Singh Punjab Technical University, Bathinda.

In the International Conference on Current Trends in Material Science and Technology (CTMST-2021) organized by Nehru Institute of Technology, held on 26<sup>th</sup> July 2021, the staff noted below presented papers.

Dr. L. Devaraj Stephen presented a paper on 'Photocatalysis in  $\text{CoIII}(\text{Tn})2\text{Cl}(\text{L})2+$  on multifunctional amorphous TiO<sub>2</sub> suspensions in binary solvent mixtures under visible light'.

Dr. J. Krishnamurthi presented a paper on 'Ion-Responsive Thiourea Tacked Polymer Gels for the Detection of Fluoride Acetate Ions'.

Dr. N. Jayaprakash presented a paper on 'Synthesis of CaO/Carbon Composite from Egg shells Waste by Thermal Decomposition Method'.

Dr.S.G.Gunasekaran presented a paper on 'Nanosilica reinforced Pyrenyl Pendant Pyridine Core Imine Skeletal Polybenzoxazine (nSiO<sub>2</sub>/PBZ) Hybrid Nanocomposites'.

Dr. P. Maheswari presented a paper on 'Enhanced Antifouling Performance of PEES/Nano-ZnO/poly(vinyl pyrrolidone) Ultrafiltration Membranes'.

Mr. V. Arivalagan presented a paper on 'Imine Linked Phenyl Based Polymers and Nanosilica Reinforced Polybenzoxazine (nSiO<sub>2</sub>/PBZ) Nano Composites'.

Ms. M. Meera presented a paper on 'Multi-Walled Carbon Nanotube Reinforced Pyridine Core Phenyl pendent Polyimide (MWCNT/PI) Nanocomposites'.

Dr. L. Devaraj Stephen actively participated in the National Webinar on 'Life Skill and Social Entrepreneurship' jointly organized by Kamalam College of Arts And Science, Anthiyur, on 29<sup>th</sup> July 2021.

Dr. L. Devaraj Stephen and Dr. N. Jayaprakash participated in a the two day online workshop on 'Scanning Electron Microscopy: Technique and its Applications' organized by North East Centre for Biological Sciences and Healthcare Engineering, Indian Institute of Technology Guwahati, Assam in collaboration with Zeiss India, with support of Department of Biotechnology, Govt. of India as part of Azadi ka Amrit Mahotsav, during 29<sup>th</sup> July 2021 to 30<sup>th</sup> July 2021.

In the International Conference on Recent Innovations in Science, Engineering & Technology-ICRISET-2021' organized by Jeppiaar Institute of Technology, held during 30<sup>th</sup> July 2021 to 31<sup>st</sup> July 2021, the staff noted below presented papers.

Dr. L. Devaraj Stephen presented a paper on 'Chelation Precipitation Process with Photoreduction of  $\text{CoIII}(\text{pn})2\text{Cl}(\text{L})2+$  for Heavy Metal Complexes in Wastewater Treatment-A related Complex Matrices'.

Dr. J. Krishnamurthi presented a paper on 'Anion-Responsive Urea/Thiourea Tacked Polymer Gels for the Detection of Fluoride and Acetate Ions'.

Dr. S. G. Gunasekaran presented a paper on 'Structurally Designed Nanotitania Reinforced Imine Skeletal Maleimido Terminal Phenylene Core Polybenzoxazine (nTiO<sub>2</sub>/PBZ) Nanocomposites'.

Dr. P. Maheswari presented a paper on 'Effect of Nanoparticles on poly (ether-ether-sulfone) Nanofiltration Membranes prepared for Selective Separation of Binary Solutions'.

Ms. M. Meera presented a paper on 'Nanotitania reinforced Thiophenyl Pendent pyridine core Imine skeletal Polybenzoxazine (nTiO<sub>2</sub>/PBZ) hybrid nanocomposites'.

Dr. P. Maheswari completed AICTE Training and Learning (ATAL) Academy Online FDP on 'Waste Technology' from 02<sup>nd</sup> August 2021 to 06<sup>th</sup> August 2021 at National Power Training Institute, Shivpuri.

Dr. L. Devaraj Stephen participated in a one Week Virtual Program International Short-Term Course on '2D- QDs : Synthesis and Applications in Electroluminescent diode, Sensor and Solar cell' jointly organized by the Department of Nanoscience and Technology, Alagappa University, Karaikudi, India and Brunel University London, UK from 2<sup>nd</sup> August to 6<sup>th</sup> August 2021.

Dr. S. G. Gunasekaran and Dr. P. Maheswari completed AICTE Training and Learning (ATAL) Academy Online FDP on 'Desalination by using Green Technology' from 09<sup>th</sup> August 2021 to 13<sup>th</sup> August 2021 at National Institute of Foundry and Forge Technology.

Dr. S. G. Gunasekaran completed AICTE Training and Learning (ATAL) Academy Online FDP on 'Recent Advances in Water Treatment and Desalination' from 23<sup>rd</sup> August 2021 to 27<sup>th</sup> August 2021 at Anna University - University College of Engineering, Dindigul.

Dr. L. Devaraj Stephen completed a course for 'Citations and References' conducted by Wiley, on 24<sup>th</sup> August 2021.

Dr. L. Devaraj Stephen, Dr. N. Jayaprakash, Dr.S.G.Gunasekaran and Dr. P. Maheswari, Mr. V.Arivalagan and Ms. M. Meera participated in the 'Virtual Education Conclave 2021' with the theme of Sustainable Growth of Academia and Industry under the aegis of New National Education Policy held on 28<sup>th</sup> August 2021.

Dr. S. G. Gunasekaran participated in the International Faculty Development Programme on 'Current Technology in Chemistry' organized by Easwari Engineering College, Ramapuram, Chennai from 23<sup>rd</sup> August 2021 to 28<sup>th</sup> August 2021.

Dr. S. G. Gunasekaran, Dr. N. Jayaprakash, Mr. V. Arivalagan and Ms. M. Meera participated in a six day Faculty Development Program on 'Advances in Analytical Techniques' organized by SRM Institute of Science and Technology, Ramapuram, Chennai in association with Society for Advancement of Chemical Sciences & Education, IGCAR, Kalpakkam from 30<sup>th</sup> August 2021 to 06<sup>th</sup> September 2021.

Dr. L. Devaraj Stephen, Dr. S. G. Gunasekaran, Mr.V.Arivalagan and Ms. M. Meera attended the NAAC sponsored one day Online Seminar on 'Qualitative & Quantitative Metrics in RAAF of NAAC' conducted by Rajalakshmi Engineering College, Thandalam, on 17<sup>th</sup> September 2021.

Dr. M. Soundarrajan, Mr. V. Arivalagan and Ms. M. Meera completed AICTE Training and Learning (ATAL) Academy Online FDP on 'Emerging Trends in Characterization Techniques for Applied Polymer Research' from 13<sup>th</sup> September 2021 to 17<sup>th</sup> September 2021 at Central Institute of Petrochemicals Engineering & Technology.

Mr. V. Arivalagan, Dr. L. Devaraj Stephen, Ms. M. Meera and Dr. S. G. Gunasekaran published an article titled 'Carbazole Terminal Phenylene Core Imine Skeletal Nanosilica Reinforced Polybenzoxazine (nSiO<sub>2</sub>/PBZ) Hybrid Nanocomposites' in the Journal of Polymer Research, on 20<sup>th</sup> September 2021.

Dr. L. Devaraj Stephen and Ms. M. Meera participated in a one-day Online Workshop on 'How to conduct the Student Induction (SIP) Program' on 20<sup>th</sup> September 2021 organized by All India Council for Technical Education.

Dr. L. Devaraj Stephen participated in the University Distinguished Lecture titled 'Science-Engineering-Technology Synergy for Sustainable Growth' delivered by Prof. Indranil Manna, Vice Chancellor, Birla Institute of Technology (BIT)

Mesra, Ranchi and President of INAE organized by SRM University-AP, held on 25<sup>th</sup> September 2021.

In the International e-Conference on Advanced Materials (ICOAM-2021) organized by J.P.College of Arts and Science, Tenkasi during 24-26<sup>th</sup> September 2021, the staff noted below presented papers.

Dr. L. Devaraj Stephen presented a paper on 'Visible Light Driven Photocatalysis in CoIII(pn)2Cl(L)2+/nm-TiO<sub>2</sub> systems with Binary Solvent Mixtures'.

Dr. N. Jayaprakash presented a paper on 'CaO/Carbon Composite from Eggshells Waste: A Thermal Decomposition Approach'.

Dr. S. G. Gunasekaran presented a paper on 'Design and Development of Multi-Walled Carbon Nanotube reinforced Pyridine Core based Polybenzoxazine (MWCNT-PBZ) Nanocomposites'.

Dr. M. Soundarrajan presented a paper on 'Effect of Adsorbent Dosage in the Adsorptive Removal of Toxic Metals (Cd<sup>2+</sup> and Cr<sup>6+</sup>) from Waste Water by Chitosan Coated Carbon Biosorbent'.

Dr. P. Maheswari presented a paper on 'Preparation and Performance of PEES/PVP/Nano-Silver Hybrid membranes'.

Mr. V.Arivalagan presented a paper on 'Arene Based Imine Skeletal Nanotitania Reinforced Polybenzoxazine (nTiO<sub>2</sub>/PBZ) Nano Composites'.

Ms.M.Meera presented a paper on 'Nanosilica reinforced Maleimido terminal Phthalide Cardo chain Extended Imine skeletal polybenzoxazine (nSiO<sub>2</sub>/PBZ) hybrid nanocomposites'.

In the International Virtual Conference on Chemical Research for Sustainable Development (ICCRSD-2021), organized by SRM Institute of Science and Technology, Ramapuram, Chennai during 24-26<sup>th</sup> September 2021, the staff noted below presented papers.

Dr. L. Devaraj Stephen presented a paper on 'A Homogenous Molecular System for CoIII(Tn)2Cl(L)2+/Nm-TiO<sub>2</sub> under Visible-Light Irradiation in Binary Solvent Mixtures'.

Dr.J.Krishnamurthi presented a paper on 'Design and Synthesis of Poly(Octadecyl Acrylate)Gels for the Detection of Anions in Non-Polar Mediums'.

Dr. M. Soundarrajan presented a paper on 'The Role of Contact Time of Adsorbent in the Adsorptive Removal of Toxic Metals (Cd<sup>2+</sup> And Cr<sup>6+</sup>) From Waste Water by Chitosan Coated Carbon Biosorbent'.

Dr. S. G. Gunasekaran presented a paper on 'Nanosilica Reinforced Maleimido Terminal Pyrenyl Pendant Pyridine Core Polybenzoxazine (nSiO<sub>2</sub>/PBZ) Nanocomposites'.

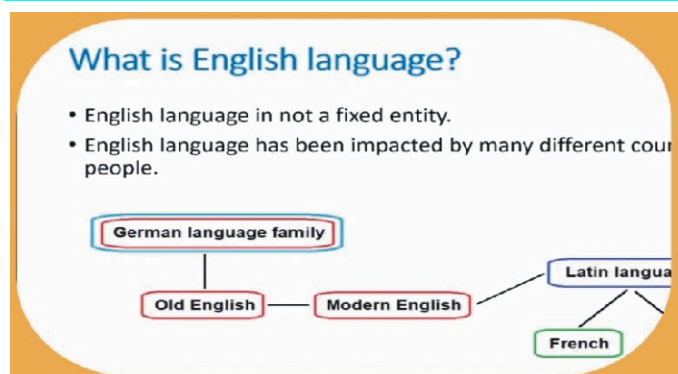
Dr. P. Maheswari presented a paper on 'Determination of Fouling and Chemical Stability of Pees/PVP/Nano-Silver Hybrid Membranes'.

Mr. V.Arivalagan presented a paper on 'Synthesis and Thermal Studies of Imine Skeletal Nanotitania Reinforced Polybenzoxazine NanoComposites'.

Ms. M. Meera presented a paper on 'Nanotitania Reinforced Maleimido Terminal Phthalide Cardo Chain Extended Imine Skeletal Polybenzoxazine (nTiO<sub>2</sub>/PBZ) Hybrid Nanocomposites'.

Dr. L. Devaraj Stephen was awarded the Certificate of Excellence in Reviewing for the recognition of outstanding contribution by the International Research Journal of Pure and Applied Chemistry, on 30<sup>th</sup> September 2021.

## Department of English



Workshop titled 'The impact of learning the English language on our lives'

The department of English organised an online workshop titled 'The Impact of Learning English Language on our Lives' on 7<sup>th</sup> Aug. 2021. The resource person was Dr.D.Praveen Sam, Asst. Prof., SSN College of Engineering for the second year students from the departments of Agriculture Engineering, Civil Engineering, Mechanical Engineering, Medical Electronics and ECE.

Dr Sheeba Manodh, A.P/Sr.G presented a paper titled 'Are we assessing what needs to be assessed? Looking at the reliability of the online language assessments' in a one- day international virtual conference on 'Language, literature and linguistics' organized by Saraswathy Narayanan College on 23<sup>rd</sup> July 2021.

Ms.V.Jayanthi underwent the Innovation Ambassador Training ( Foundation Level) conducted by the MoE'S Innovation Cell and AICTE during the period 30<sup>th</sup> June-30<sup>th</sup> July.

Ms. M.Arthi completed the five-day online FDP on 'Inculcating Universal Human Values in Technical Education' from 26<sup>th</sup> July to 30<sup>th</sup> July 2021 organised by the AICTE.

Dr.Sheeba Manodh ,Ms.R.Geetha, Ms.V.Jayanthi and Ms.M.Arthi participated in a five-day Faculty development programme on ' Art of Effective Teaching' from 16<sup>th</sup> Aug to 20<sup>th</sup> Aug 2021 organised by SRM IST, Ramapuram.

Ms.M.Chithra and Ms.R.Geetha participated in the Virtual Education Conclave 2021 on the theme 'Sustainable Growth of Academia and Industry' under the aegis of new National Education Policy held on 28<sup>th</sup> August 2021.

Mr.Abhishek David John successfully cleared the B 1 module Upskill Cambridge Assessment English on 25<sup>th</sup> Sep 2021.

Ms.M.Chithra, Dr.Sheeba Manodh and Ms.R.Geetha participated in a one week International Faculty development programme on 'Curriculum Development, Research and Publication ethics' from 2<sup>nd</sup> Aug and 9<sup>th</sup> Aug 2021 organised by SRM IST, Ramapuram.

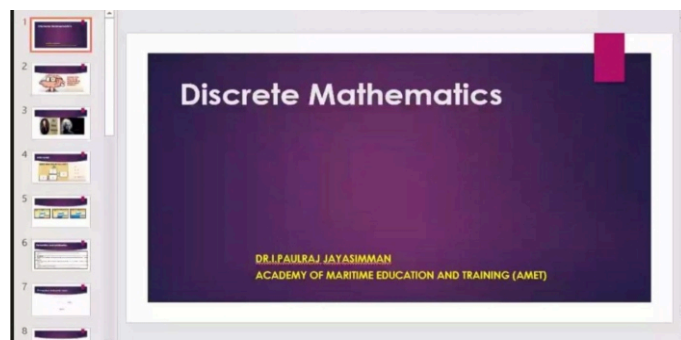
Ms.M.Chithra participated in a one day workshop 'How to conduct student Induction programme?' (SIP) conducted by AICTE on 20<sup>th</sup> Sep 2021.

Total number of events attended by the staff members -  
Webinars - 22 Workshops - 4

## Department of Mathematics

The Mathematics Association 'EULER.COM' organized a Guest Lecture on the 'Integral Transforms' on 30<sup>th</sup> July 2021 for the II year AGRI, Civil, ECE, EEE, EIE, Mech & Medical Electronics students. The lecture was delivered by Dr.V.Muthukumaran, Assistant Professor, Department of

Mathematics, School of Applied Sciences, REVA University, Bangalore. The lecture dealt with the basic concepts of integration and different types of integral methods. He explained the concepts of Fourier Transforms and its applications in detail.



Guest Lecture on 'Discrete Mathematics'

The Mathematics Association 'EULER.COM' organized a Guest Lecture on 'Discrete Mathematics' on 27<sup>th</sup> August 2021 for the II year CSE, IT, Cyber Security, Artificial Intelligence & Data Science students. The lecture was delivered by Dr.I.Paulraj Jayasimman Associate professor, Department of Mathematics, Academy of Maritime Education and Training (AMET), Deemed to be University, Chennai. He spoke on the topic 'Permutations and Combinations'. He also gave many ideas to solve aptitude type of questions under this topic.

Dr.V.Vijayalakshmi/AP (Sl. G), Dr.S.Chitra, HOD/AP (Sl. G) published an article 'Real Time Application Using Qr Decomposition in Fuzzy Logic', in the Journal Drugs and Cell Therapies in Hematology, Volume 10 Issue 1, July 2021, pp 574-579, (Web of science, ESCI indexed Journal)

Dr.V.Vijayalakshmi, Dr.S.Chitra published a book chapter entitled 'Impact of AI and Machine Learning in E-commerce Business Management' as a chapter 3 in the book titled 'Impact of Machine Learning and Artificial Intelligence on Business Management' with ISBN 978-81-948555-9-0, Volume 1, Issue 1, published on 31<sup>st</sup> July 2021.

Dr.S.Chitra was the External member of the Advisory Board meeting, representing the Mathematics department of Sri Sai Ram Institute of Technology on 17<sup>th</sup> September 2021.

Dr.S.Chitra and Dr.V.Vijayalakshmi attended National Workshop on 'Going Beyond your Belief system' organized by SRM University, Ramapuram campus on 10<sup>th</sup> July 2021.

Dr.V.Vijayalakshmi published a book chapter entitled 'Impacts of Covid 19 in Education Society using Fuzzy Logic' as chapter 34 in the book titled 'The Covid Divide Behavioral, Social and Economical Impacts' with ISBN 978-81-951230-3-2 published on 29<sup>th</sup> July 2021.

Dr.V.Vijayalakshmi underwent Institution Innovation Ambassador Training (Foundation Level) Innovation cell & AICTE during the period from 30<sup>th</sup> June to 30<sup>th</sup> July 2021.

Ms.V.Nagarani and Mr.D.Captain Prabakaran attended a Five - day online Faculty Development Programme on the theme 'Inculcating Universal human Values in Technical Education' conducted by All India Council for Technical Education (AICTE), from 26<sup>th</sup> July to 30<sup>th</sup> July 2021.

Ms.V.Nagarani participated in the 'Virtual Education Conclave 2021' with the theme of Sustainable Growth of Academia and Industry under the aegis of new National Education Policy held on 28<sup>th</sup> August 2021 conducted by FICCI.

No of webinars attended by the staff - 5.

# Tamil Mandram

Vasanth TV organized a Kamarajar Birthday pattimandram on 15th July 2021 on the topic (இன்றைய கல்விமுறை மாணவர்களை திருத்துகிறதா? வருத்துகிறதா?). Mr.K.Shanmugam,AP/CSE, participated in the programme.

Ms.P.Deepika, Dept of Agriculture Engineering third year, won the First prize in the speech competition organized by the Manavai Musthafah Scientific Tamil Virtual chair on 30th July 2021.



Peppers TV organized a Talk show Padithathil Pidithathu ("படித்ததில் பிடித்தது") on 18th July. Mr.K.Shanmugam, AP/CSE, participated in the programme and reviewed popular tamil books.

Kalam School of Thoughts and 'Poverty to Prosperity' foundation organized a Teachers Day pattimandram on 5th september on the topic (மாணவர்களுக்கு கல்வி கற்றுக் கொடுப்பதில் சிறந்து விளங்குபவர்கள் அக்கால ஆசிரியர்களா? இக்கால ஆசிரியர்களா?). Ms.P.Deepika, Dept of Agriculture Engineering third year and Mr.K.Shanmugam,AP/CSE, participated in the programme.

SRM Valliammai Engineering College, Paarivendhar Students Tamil association and Kanith Tamil Peravai, in association with Manavai Musthafah Scientific Tamil Virtual chair jointly organized a two days workshop on 'writing the Essay in Wikipedia' on 14th August 2021 & 15th August 2021. Dr.Tamil Parithi Mari,Professor, Periyar University,Salem was chief guest of this event. Mr.K.Shanmugam,AP/CSE,was the coordinator of this event in which more than 40 people participated.

SRM Valliammai Engineering College, Paarivendhar Students Tamil association organized a workshop on 'Develop Poetry writing skills in Tamil' on 25th August 2021. Mr.R.Thanikkodi, Film song writer was the Chief guest of this event. This event was conducted under the AICTE Sponsored Scheme-Scheme for promoting Interests, Creativity and Ethics among Students (SPICES). More than 30 students attended this event.

SRM Valliammai Engineering College, Paarivendhar Students Tamil association and Kanith Tamil Peravai organized a workshop on Tamil Computing-Tamil POS Tagger on 2nd September 2021. Dr.V.Dhanalakshmi, Assistant Professor, R.V Government Arts College, Chengalpattu, was a Chief guest of this event. This event was conducted under the AICTE Sponsored Scheme-Scheme for promoting Interests, Creativity and Ethics among Students (SPICES).More than 40 students attended this event. Mr.K.Shanmugam, AP/CSE, was the coordinator of this event.

Vendhar TV organized a debate show (நேருக்கு நேர்) on 24th August 2021 on the topic Pet lovers Vs Pet haters.



'Valai Vaasal Varuga' book given to Mr.Sivadhunupillai & TN Education Minister



MS.J.Dharshini, final year/CSE participated in the programme and won Rs.2500 cash prize for the best performance in her team.

Ms.Abinaya Sundari, dept of Agriculture Engineering third year, participated in the speech competition organized by the Manavai Musthafah Scientific Tamil Virtual chair on 27th August 2021.

K.Sankar Babu, dept of ECE Final year, won the first prize in the State Level Speech Competition and won the Rs.1 lakh cash prize on 12th september for 100th memorial day of Mahakavi Bharathiyar.

SRM Valliammai Engineering College, Paarivendhar Students Tamil association organized a workshop on Speech and Essay writing development skills in Tamil on 16th September 2021. Dr.Udhyasandron, Speaker and International Life Skill Trainer was the Chief Guest of this event. This event was conducted under the AICTE Sponsored Scheme-Scheme for promoting Interests, Creativity and Ethics among Students (SPICES).More than 30 students attended this event.

Tamerica TV and International United Women Federation organized a pattimandram on the topic (தமிழ்ப்பற்றை வளர்ப்பது வீடா? நாடா?) on 2nd September 2021. Ms.S.Shanthi, AP/CSE participated in this programme.

Vendhar TV organized a debate show (நேருக்கு நேர்) on 26th September 2021 on the topic Work from home Vs Work from office. Mr.K.Shanmugam,AP/CSE and Ms.S.Shanthi, AP/CSE participated in this programme and won the special gift for best performance in his/her team.

Mr.K.Sankar babu, Dept of ECE, final year, participated in the Speech Competition organized by the Manavai Musthafah Scientific Tamil Virtual chair on 17th September 2021.

Mr. K.Shanmugam, AP/CSE participated in the School students book release function on 31st July 2021. In this occasion, he met Mr.Anbil Magesh Poaiyamozhi, School Education Minister,Tamil nadu Government and Former ISRO Scientist Dr.Sivadhanu Pillai and they gave the special appreciated the authors Dr.B.ChidhambaraRajan, Principal SRMVEC and Mr.K.Shanmugam, AP/CSE for their contribution in 'Valai Vassal Varuga'.

SRM Valliammai Engineering College, Paarivendhar Students Tamil association signed an MOU with Manavai Musthafah Scientific Tamil Virtual chair on 22nd August 2021.



Vendhar TV debate show 'Nerukku Ner'