



NEWSLETTER

Vol. : 10 No.1

Jan. - Mar. 2021

Ford India has Donated an Ecosport Vehicle to Mechanical Engineering Department for Automotive Research and Development Activities

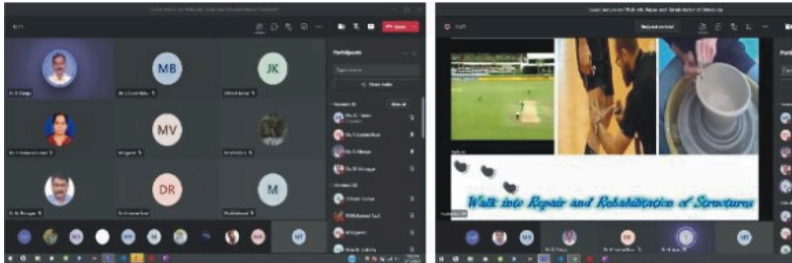


SRM Valliammai Engineering College celebrated International Women's Day on 8.3.2021. Various online competitions were conducted. Faculty members participated with all involvement.



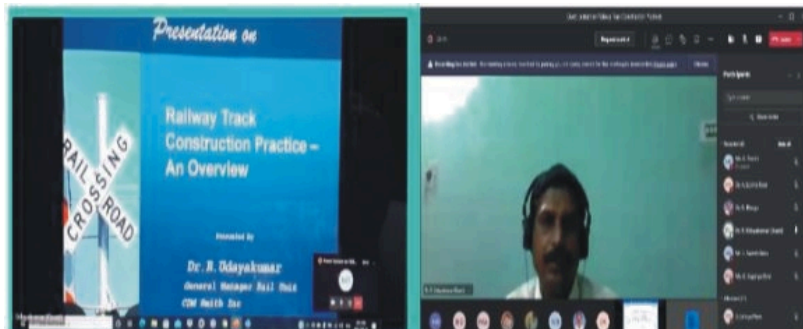
Department of CIVIL ENGINEERING

Department of Civil Engineering, in association with Institution of Engineers and Indian Society for Technical Education organized a Guest Lecture on 'Walk into Repair and Rehabilitation of Structures' on 13th March 2021. Around 90 participants including faculty members, students and research scholars from various institutions participated in this online Guest lecture through Microsoft teams. The guest speaker was Mr.M.Ravi Kumar, Deputy General Manager, Structural Division, Roads & Bridges, L&T IDPL, Chennai.



Guest Lecture on 'Walk into Repair and Rehabilitation of Structures'

Department of Civil Engineering, in association with Institution of Engineers and Indian Society for Technical Education organized a Guest Lecture on 'Railway Track Construction Practices' on 22nd March 2021. Around 105 participants including faculty members, students and research scholars from various institutions participated in this online Guest lecture through Microsoft teams. The guest speaker was Dr.R.UDHAYAKUMAR, General Manager, Rail Unit CDM Smith Inc., Chennai.



Guest Lecture on 'Railway Track Construction Practices'

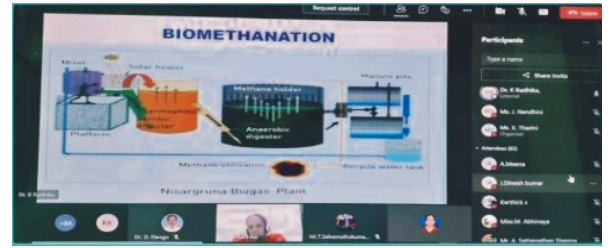
Department of Civil Engineering, in association with Institution's Innovation Council, Institution of Engineers and Indian Society for Technical Education organized a Motivational Talk on 'How to Plan a Start-up, Legal and Ethical Steps' on 26th March 2021. Around 110 participants including faculty members, engineering students and business administration students participated in this online Motivational Talk through Microsoft teams. The guest speaker was Mr.A.Selvakumar, Training Coordinator, Entrepreneurship Development & Innovation Institute, under the Department of MSME, Government of Tamilnadu.



Motivational Talk on 'How to Plan a Start-up, Legal and Ethical Steps'

Department of Civil Engineering, in association with Institution of Engineers(IEI) and Indian Society for Technical Education(ISTE) organized a Guest Lecture on 'Recent Advances In Solid Waste Management' on 27th March 2021 through Microsoft Teams app to the Second year Civil and Agriculture Engineering and Third and final year

Civil Engineering students. The Guest speaker was Dr.K.Radhika, Associate Professor & Head, Department of Civil Engineering, St.Peter's Engineering College, Hyderabad.



Guest Lecture on 'Recent Advances In Solid Waste Management'

Ms.K.Tharini, Assistant Professor, Department of Civil Engineering was the winner in the singing competition conducted on the occasion of International Women's Day 2021 in the college.

Department of Computer Science & Engineering

A Webinar was conducted for the Higher Secondary students on 'Career Guidance and Conselling' held on 27th March 2021 via Microsoft Teams. Dr.J.Daniel Chellappa, Eminent Nuclear Scientist, Chennai delivered a talk on 'Ideas to build a Positive Career'.

For
11th & 12th
Students

Resource Person
Dr. J. Daniel Chellappa
Eminent Nuclear Scientist, Chennai.

Date :
27.03.2021
Saturday

Coordinators
K.SHANMUGAM
Assistant Professor, Department of CSE
SRM Valliammai Engineering College
Kattankulathur, Chennai-603 203
Ph. No. : 9715366091

MS. S. SHANTHI
Assistant Professor, Department of CSE
SRM Valliammai Engineering College
Kattankulathur, Chennai - 603 203
Ph. No. : 87546 22257

Convener
DR.B.VANATHI
Professor & Head, Department of CSE
SRM Valliammai Engineering College
Kattankulathur, Chennai-603 203

Timing :
11.00 am
to
12.00 pm

Webinar for the Higher Secondary students on 'Career Guidance and Conselling'

A one day National Seminar was conducted on the 'Cognitive Machine Intelligence' on 27th March 2021 via Microsoft Teams. The Seminar session was handled by Dr.Rajkamal, senior Professor, Prestige Institute of Engineering, Indore, Mr.R.Ramprakash, Director AI research, Zoho corporation, Mr. S. Srinivasa Raghavan, Head of R&D department, Smart Art Technologies Ltd. About 115 participants actively participated in this seminar.

SRM VALLIAMMAI ENGINEERING COLLEGE
(An Autonomous Institution)

Approved by Anna University, Chennai (Regulation A01/IE) | Accredited by NBA | A Grade Accreditation by NAAC | ISO 9001:2015 Certified Institute
SRM Naga Kattankulathur, Chengalpattu District - 603 203.

Department of Computer Science & Engineering

In Association with SRM VEC CSI-SB & ISTE
Institute Innovation Council jointly organizes
NATIONAL SEMINAR ON COGNITIVE MACHINE INTELLIGENCE

1 st Session				
<p>Dr. Raj Kamal Senior Professor, Prestige Institute of Engineering, Indore</p>				
<table border="1"> <tr> <th>Date & Time</th> <th>Topic</th> </tr> <tr> <td>27-03-2021 09:30 A.M. - 11:00 A.M.</td> <td>Machine Learning for advanced manufacturing processes</td> </tr> </table>	Date & Time	Topic	27-03-2021 09:30 A.M. - 11:00 A.M.	Machine Learning for advanced manufacturing processes
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<p>Mr. R. Ramprakash Director AI Research, Zoho Corporation, Chennai</p>				
<table border="1"> <tr> <th>Date & Time</th> <th>Topic</th> </tr> <tr> <td>27-03-2021 11:10 A.M. - 12:40 P.M.</td> <td>Cognitive IOT via few shot learning techniques</td> </tr> </table>	Date & Time	Topic	27-03-2021 11:10 A.M. - 12:40 P.M.	Cognitive IOT via few shot learning techniques
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<p>Mr. S. SRINIVASA RAGHAVAN Head of R&D Department, Smart Art Technologies Pvt. Ltd. Chennai</p>				
<table border="1"> <tr> <th>Date & Time</th> <th>Topic</th> </tr> <tr> <td>27-03-2021 1:30 P.M. - 2:30 P.M.</td> <td>Evolution of AI</td> </tr> </table>	Date & Time	Topic	27-03-2021 1:30 P.M. - 2:30 P.M.	Evolution of AI
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Online Link: <https://tinyurl.com/2vuzdxk>
Free Registration: <https://tinyurl.com/6epsmmf>

Dr. A. Sanyal, Assoc. Prof. CSE
Sr. D. Karthi, Asst. Prof. CSE

Dr. S. Venkai, Prof. & HOD/CSE
Assistant

A Motivational Talk for the second year, third year and final year CSE students was organized on 1st, 2nd and 4th Feb 2021 via Microsoft Teams. The Resource Persons were Dr.R.Raja Rajan, Educationalist, Founder, 'Students Vision Academy', Chennai and Ms.Swetha Surendran, Associate Consultant, Sr. Consultant, Dr.J.Jayachandran, Professor & Head, Department of English, Anna University Campus, Villupuram. The experts highlighted the important features like attitude, career guidance, recent trends in the computer field.

A one day workshop was conducted on 'Patent Drafting' on 24th March 2021 via Microsoft Teams ,about 85 participants participated in the workshop. The Resource Person was Mr.R.Rajkumar, Assistant Professor, Department of CSE, SRMIST, KTR campus.

A one month Women Entrepreneurship Development Program (WEDP) sponsored by Department of Science and Technology(DST) was conducted from 18th Jan 2021 to 15th Feb 2021. The chief guest was Dr.IIavarasi Murugavel, Director Shri Krishna Fashions, Salem. The Chief Guest encouraged the participants and motivated them to

explore the world which has lot of opportunities and challenges.

Mr.G.Kumaresan, AP actively participated in the AICTE sponsored STTP on 'Speech and Image Processing using Deep Learning Techniques' organized by the Department of computer science and Engineering, Annamalai University from 3rd to 9th March 2021.

Dr.M.Senthil Kumar, Asso. Prof. was resource person in a Webinar on 'Block chain Technology' conducted by Anand Institute of Higher Technology on 29th Feb 2021.

Mr.K.Shanmugam, AP was invited as a guest in a live

show conducted by 'Poverty to Prosperity Foundation' in Kalam school You tube channel.

Mr.K.Shanmugam, AP was the Guest speaker in a one day online seminar in 'Python' conducted by Kani Tamil Peravai.

An interactive session/mentoring session with successful startup founders in association with Industry Institute Partnership Council was organized on 5th March 2021 via Microsoft Teams. Mr.Nibi Maouriyam, Product Architect, Ajna Labs, Chennai was the resource person for the session.

A Technical talk was organized on the 'Design thinking for future Engineers' in association with Industry Institute Partnership & Institution Innovation Council.

The resource person was Mr.R.Kaja Bantha Navan, Assistant Professor, Sathyabama Institute of Science and Technology, Co-founder Helios Innovation (P) Ltd, Chennai via Microsoft Teams on 13th March 2021 There were about 64 participants in the session.

A Technical talk was organized on the 'Introduction to IPR and IP managements for startup', in association with Industry Institute Partnership & Institution Innovation Council. The Lecture was delivered by Dr.A.Samydurai, Associate Professor and Mrs.C.Pabitha, Assistant professor, SRM Valliammai Engineering College via Microsoft Teams on 12th March 2021 . There were about 52 participants in the session.

Department of Electronics & Communication Engineering

A Motivational talk was conducted by the Dept of ECE & Medical Electronics Branch for the second year students in association with ISTE & IETE Students Forum on 1st Feb 2021 through online mode. Dr. Komala James, Professor & Head delivered a cordial welcome address to the students. The speaker Ms. G. Hemavinotheni, Alumnus (2010-2014), Resourcing and Analytics lead at EMIS Health, Chennai delivered a wonderful illustrated presentation on 'Choose the Right Inspiration' in their career path. She extended her speech on the importance of engineering courses and higher degree



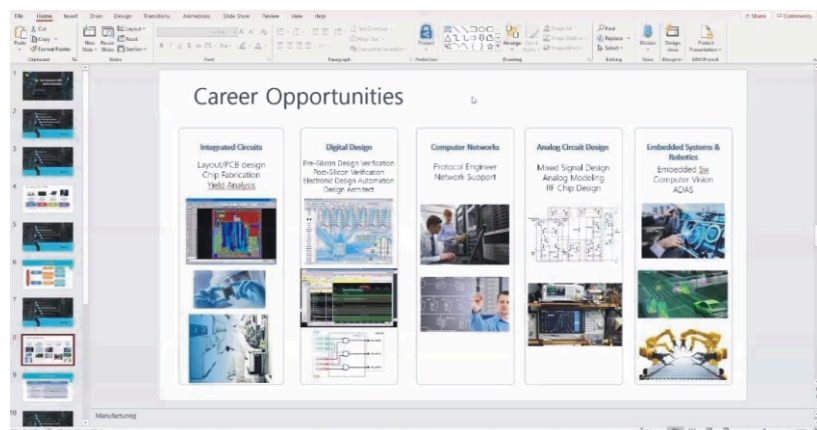
Motivational talk for the second year students

education like master and doctorate degree and its value in the core industries as well as public sector jobs. She also focused on choosing the right inspiration in remarkable way, to face failures and to

look at today's challenges. Dr.C.Amali, Assistant Professor (Selection Grade) coordinated the event and extended thanks to the resource person and the participants.

The Dept of ECE conducted a Motivational Talk for third year students to enhance their skills for their future jobs in core companies like semiconductor and VLSI industries on 3rd Feb 2021. The speaker Mr.Pratheep Joe, alumnus (2011batch), Senior Design Verification Engineer, Intel Corporation California, USA delivered a speech on the title 'Get obsessed with semiconductors'. During his session, he described his career journey, his choice of the right specialization and career path. He also provided ideas to secure a dream job in core industries. Mr.M.Selvaraj, Asst Prof ended the session with a vote of thanks. Dr.G.Udhayakumar, Associate Prof coordinated the event.

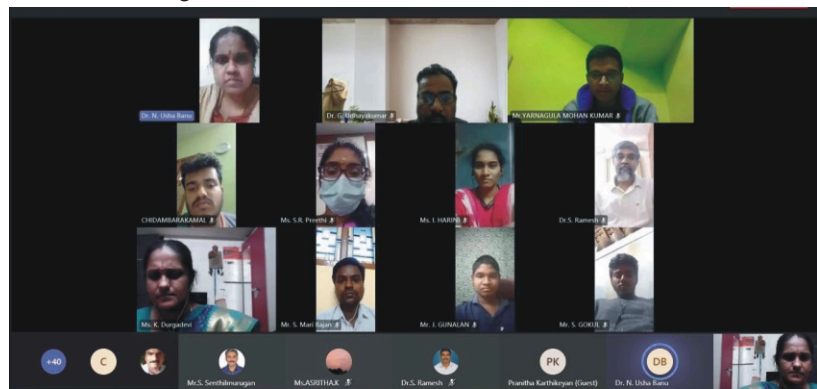
The Department of ECE conducted motivational talk on 'Career Design-Set/Reset' for the final year students on 1st Feb 2021 via online mode (Microsoft Teams) in association with ISTE Chapters & IETE students' Forum. The welcome address was delivered by Dr. Komala



Motivational Talk on 'Career Design-Set/Reset'

James, Professor & Head. The Speaker Mr. Muthuswamy Venkatraman, Engineering Technician, Qualcomm, San Diego, California, United States delivered a speech on 'Career Design-Set/Reset'. He spoke about changing life in the future and move from being scared, reluctant, fearful, and exhausted life to a fulfilling life and career. At the end of the session, he interacted with students about life during and after under graduation, actual job, time and money management and life skills. About 148 students from the final year and the faculty of the department participated in the session. This event was coordinated by Dr. S. Ramesh, Associate Professor-ECE.

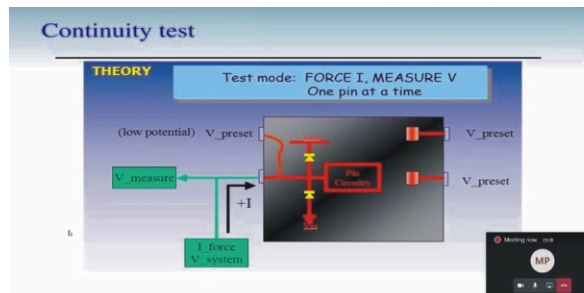
The Dept of ECE conducted an expert lecture on the title 'Advancements in VLSI' in association with ISTE, IIC, IETE Students forum to the students on 11th Feb 2021. The Guest Speaker Ms. Pranitha Karthikeyan, Research scholar, CEG Campus, Anna University delivered a speech on the recent trends in design and manufacturing of Very Large Scale Integrated circuits and explained the ongoing move towards smaller devices like prevailing CMOS technology to Finfet technology on increasing wafer dimensions. Mr. S. Senthilmurugan, Assistant Professor and Mrs. K. Durgadevi, Assistant Professor coordinated the event.



Expert Lecture on 'Advancements in VLSI'

The Dept of ECE conducted an expert lecture on 'Semiconductor Testing' in association with ISTE, IIC, IETE Students forum to the students to develop skills on VLSI Circuits Testing on 8th Feb 2021. The Speaker Mr. J. Anand, alumnus (2009 batch), Senior Testing Engineer, Qualcomm,

Singapore delivered a speech about life cycle of silicon manufacturing, Real world circuits and its testing process versus circuits probing. Finally he also added a few points on job opportunities in testing areas to the students. Mr. A. Pandian/AP ended the session with vote of thanks. Dr. G. Udhayakumar, Asso Prof and Mr. A. Pandian, AP coordinated the event.



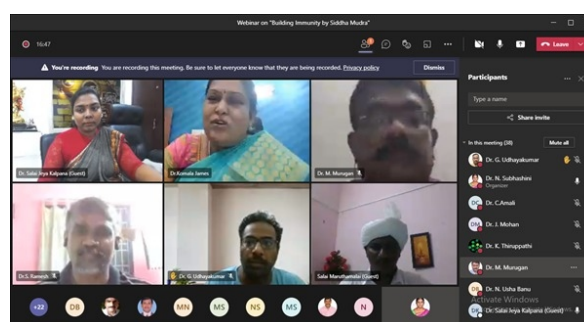
Expert Lecture on 'Semiconductor Testing'

The Dept of ECE conducted a hands on training in 'Robotics' in association with ISTE, IIC, IETE Students Forum for the students to improve practical skills on Robotics on 22nd March 2021. The Speaker Mr.Vignesh Ramachandran, Founder, K-Botix Robo Tech Centre, Chennai delivered a speech about the necessity of Robotics. Robotics controls loop and its working mechanism based on fed programme inside the chip. He explained that Robotics is an interdisciplinary field that integrates computer science and engineering. Robotics involves design, construction, operation, and use of robots. The goal of Robotics is to design machines that can help and assist humans. He also added a few points on job opportunities in embedded and robotics platform. Dr.V.Suresh kumar/AP and Mr. A. Anbarasan/AP coordinated the event successfully.



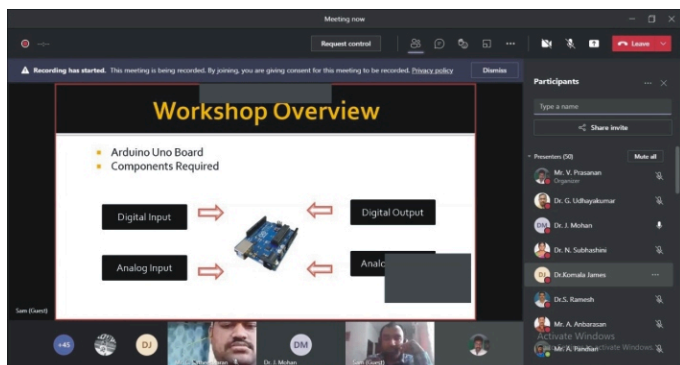
Hands on training in 'Robotics'

As part of the International Women's Day celebration, the Dept of ECE conducted a webinar on the 'Building Immunity by Siddha Mudra' in association with IETE Chennai Centre and Student Affair Cell on 10th March 2021 for the students and faculty members to improve their immunity power. Dr.Komala James, Prof & Head delivered the welcome address. Dr.N.Usha Bhanu, Prof and student affair cell introduced the Chief Guest Dr. Salai Jaya Kalpana, Founder & Director, Siddha Forest. The Resource person explained the Mudra types and



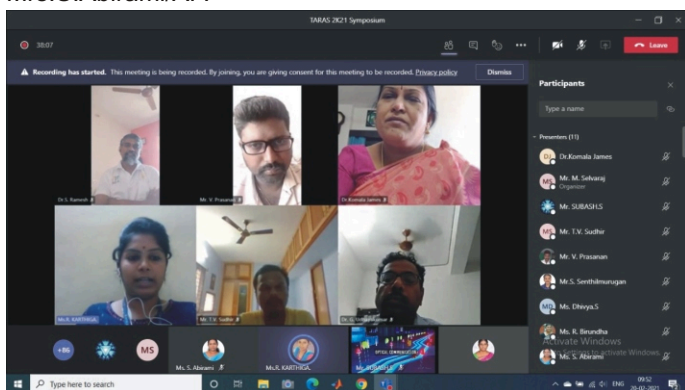
the importance of yoga practice. She explained the Mudra technique to the participants and elaborated Mudra, how it is associated with the heat or metabolic functions in the body. Dr. M. Murugan, Prof & Vice Principal pointed out few points on Yoga Practice and how it is widely used in Indian religions, culture and as well as for spiritual perfection. Dr.N.Subhashini, Assistant Professor and Mr.C.Saravana Kumar Assistant Professor coordinated the event.

The Dept of ECE conducted a workshop on 'Arduino Programming' in Microsoft teams in association with IIC, ISTE, CSI and IETE Students Forum for the students on 10th March 2021. Dr.Komala James Prof & Head delivered the welcome address and Mr.V.Prasanan, Asst Prof introduced the Chief guest Mr.Sam Thomas, Research scholar, Anna University, Chennai, who delivered a lecture on Arduino IDE for different Arduino boards and Arduino programming language based on C and Python. Dr. J. Mohan, Associate Professor proposed the vote of thanks..



Workshop on 'Arduino Programming'

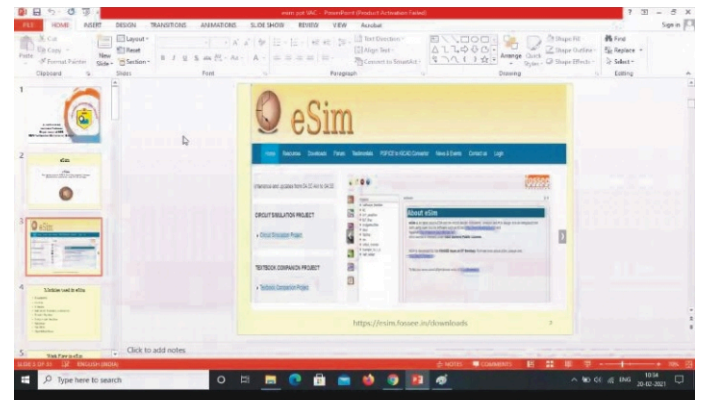
The Dept of ECE organised the 18th National Level Technical Symposium TARAS 2K21 through online mode in Microsoft Teams on 20th February 2021 in association with IIC, ISTE & IETE Students' Forum and SRM VEC - CSI Student Branch. The Student officials of TARAS 2K21 delivered the welcome address and highlighted the Symposium events. Dr.Komala James, Prof & Head delivered the presidential address and inaugurated the function. The students from various institutions participated in the events such as Circuit Debugging and Technical Quiz through online mode using open source platform and won prizes. Mr.T.V.Sudhir/AP, Mr.V.Prasanan/AP, Mrs.S.R.Preethi/AP and Mr. S.Subash & Ms.Karthiga final year students organized the events. The participants presented papers on 13th March 2021 via MS Teams. The event was coordinated by Mr.M.Selvaraj/AP and Mrs.S.Abirami/AP.



National Level Technical Symposium TARAS 2K21

The Dept of ECE conducted a Value Added Course for the students on 'Advanced Modeling and Simulation tools for Electronic circuits' for the academic year 2020-2021 (Even Semester) on 13th Feb, 20th Feb & 13th March 2021 (3 Days). Mr. A. Pandian/AP, Mr.A.Anbarasan/AP, Mr. V. Prasannan/AP and Mr. R. Nagaraj/AP handled the sessions on Simulation Tools - Sci-lab-xcos, e-sim, DSCH, Microwind, and Deeds for Electronic Circuits and programme was coordinated by Mr.D.Murugesan/AP.

Medical Electronics branch conducted a Value added Course for the students on 'Image Processing for Medical Applications using CVIP tools' for the academic year 2020-2021 (Even Semester) on 13th Feb, 20th Feb & 13th March 2021. Dr. N. Ushabhanu/Prof, Dr.J.Mohan/Asso Prof, Ms.S.Surabhi/AP delivered lectures on Medical Image Processing using Python, Enhancement, Segmentation Techniques and Practical approach to abnormality detection in medical images and programme was coordinated by Ms. V. P. Sandhya/AP.



Value added Course on 'Image Processing for Medical Applications using CVIP tools'

Dr. G. Udhayakumar/ Assoc Prof presented a lecture on 'Machine Learning Techniques for High Voltage applications' on 3rd Feb 2021 in an AICTE-ISTE sponsored six-day Induction/Refresher Programme on Recent Advancements in High Voltage Engineering- RHVE 2K21 Phase II during 3rd Feb to 9th Feb 2021 at Dept of EEE, SRM VEC.

Dr. G. Udhayakumar/ Assoc Prof participated in a 2 - day workshop on 'Medical Devices Entrepreneurship, Intellectual Property Rights and Patent' during 18th & 19th Feb 2021 organized by the department of Bio Medical Engineering, College of Engineering and Technology, SRM Institute of Science and Technology, Kattankulathur.

Dr. G. Udhayakumar/ Assoc Prof and Mr. A. Pandian/AP presented a paper on 'Texture Analysis of Reaction diffusion level set evolution of multiple sclerosis lesions in Brain MR images' in the seventh international conference on Bio signals, Images and Instrumentation organized by the department of Biomedical Engineering, SSN College of Engineering held on March 25-27, 2021.

Dept of ECE participated and won the second prize in the International Women's Day contest 2021 held in the college and also exhibited their talent in Group singing competition organized by SRMVEC Youtube Channel-Vallinam on 8.3.2021.

Dr.N.Subhashini/AP, Dr.V.Suresh Kumar/AP, Dr.S.R.Preethi/AP received their Ph.D. degree Certificates at the Anna University 41st Convocation, Chennai held on 11.3.2021.

Dr. V. Sureshkumar/AP participated in a one week STTP on 'VLSI Design from Basic to Advance' organized by VLSI Learning Center of Electronics & Telecommunication department, K. C. College of Engineering & Management, Thane under the banner of IETE in association with Cadence Design System and NXP Solutions from 25th to 30th Jan. 2021.

As part of Student Affair cell, Dr. N. Usha Bhanu/ Prof coordinated a webinar on 'Opportunities in Higher Education Abroad' for the students in online mode (Microsoft Teams) in association with Education Matters to give career guidance on 22nd Feb 2021. Ms. Reshmy Vijay, Director, Educational Matters delivered a speech on higher education opportunities in foreign countries for the students.

Dr. J. Mohan/ Asso Prof was nominated as a mentors for the National Institute of Technical Teachers Training (NITTT) Modules Phase I and Phase II to help and train the inductee teachers on 19.2.2021 during the academic year 2020-21.

Mr.C.Saravana Kumar/ AP and Mr.R.Gokula Kannan, Mr.M.Gokulakrishnan, Mr.K.S.Gowthaman final year students published a paper on 'Pearson Hashing Algorithm on Hash

Tables in FPGA' in the International Journal of All Research Education and Scientific Methods, Volume 9, Issue 3, Mar. 2021.

Mr. C. Saravanakumar / AP and the students' team comprising Mr.S.Subash, Mr.K.Vishal, and Mr. V. Suriyakumar were shortlisted for AICTE-Chhatra Visshwakarma Awards for the year 2020 for developing student level project prototype model and novelty thinking and it was scrutinized for the next level selection.

Mr. C. Saravanakumar/ AP attended an AICTE sponsored online Short Term Training Programme on 'FPGA based Digital System Design with HDL (Phase II) from 8th to 13th Feb 2021 organised by Dept of ECE, Vel Tech Multi Tech Dr Rangarajan Dr Sakunthala Engineering College, Avadi, Chennai.

Dr. S. R. Preethi/AP defended her PhD during Public Viva-Voce on 'Low Power Expanding system using Internet of Things for Lighting and Video Surveillance Automation' on 6th Jan 2021 at SRM Valliammai Engineering College, Chennai.

The final year students' project work around 48 batches have been completed with various parameters such as local relevance, innovation, uniqueness, creativity, demonstration and then it was published in various International and National Journals and Conferences during the Academic year 2020-21.

A part of Physical Education cell, Mr. Pilli. Vijay kumar, second year student participated 'Andhra Pradesh State 6th Senior Inter District Ball Badminton Championship 2021' held from 19th March to 21st March 2021 at West Godavari, AP.

Mr.Yarnagula Mohan Kumar, Third year student Mr. Pilli. Vijay Kumar, second year student and Mr. Konka Srinadh, First year student won the Gold Medal in Anna University Zone IV Ball Badminton (Men) Tournament 2021 on 13th March 2021 organised by SRM VEC, Kattankulathur, Chengalpattu.

Mr. S. Santhosh, Mr. R. Sachin Surendar, Mr. T. Thilak Raj, Mr. M. Vishal, Mr. K. Surya and their team won Silver Medal in the Anna University Zone 4 Cricket Men Tournament held at Dhanalakshmi College of Engg. from 23rd to 25th March 2021.

Mr. K. Dhanusan, Mr. L. Sanjay, Mr. Afroz Ali MD and their team won the Gold Medal in the Anna University Zone IV Basketball (Men) Tournament 2020-21 on 19th March 2021 organized by Prince Sri Venkateshwara Padmavathi College of Engineering, Chennai.

Mr.G.Sankar Babu, third year student received 'Thaimozhi Chemmal Award' from Mr.M.R.Vijayabaskar, Transport Minister, Government of Tamil Nadu on 31st Jan 2021 as part of exemplary service in Tamil Language in Karur Dt, Tamil Nadu.

Mr.G.Sankar Babu, Mr.V.Gokulraj, Mr.S.Gokulakrishnan and their team won the Bronze Medal in the Anna University Zone IV Chess (Men) Tournament 2020-21 on 20th March 2021 organized by the New Prince Padmavathi College of Engineering and Technology, Chennai.

Tamil Nadu Employment and Training Department conducted Speech competitions on the occasion of National Youth Day on 12th January 2021. Mr. G. Sankar Babu, third year student won first prizes at both Speech and Prompt speech competitions.

The AICTE framed a policy in the name of National Initiative for Technical Teachers Training (NITTT) to improve



inductee teachers teaching skill. The Dept of ECE faculty members are registered the courses from the prescribed eight modules by NITTT based on their needs and completed the modules successfully during the academic year 2020-21.

Ms. B. Keerthiga and Mr. K. Karthi, final year students were placed in NTT Data Solutions, Chennai by conducting the virtual on-campus drive on 20th January 2021.

Ms.Preethi S.R. (AP/ECE), Dr.Murugan M. (Prof./ECE) and Revathi A.R. (Asso.Prof./IT) have authored a Book Chapter entitled, "Exploration of Cough Recognition Technologies Grounded on Sensors and Artificial Intelligence", in the Book 'Internet of Medical Things for Smart Healthcare', Springer, pp.193-214, 2020, Chinmay Chakraborty, et al. (Eds), https://doi.org/10.1007/978-981-15-8097-0_8

Ms.Poornima, N. (AP/ECE) and Dr. Murugan M. (Prof./ECE) published a paper entitled "Natural Disaster Resilience Approach (NDRA) to Online Social Networks", J Ambient Intell Human Comput (2020). <https://doi.org/10.1007/s12652-020-02644-1>

Balaji V.R. (Former Research Scholar/ECE), Dr. Murugan M.(Prof./ECE), et al co-authored a paper entitled, " A Novel Hybrid Channel DWDM Demultiplexer Using Two Dimensional Photonic Crystals Meeting ITU Standards", Silicon (2021). <https://doi.org/10.1007/s12633-020-00902-7>

NPTEL

SRM Valliammai Engineering College is recognized as an Active NPTEL Local Chapter based on number of participation in NPTEL online examination during the period Jan-Dec 2020.

Dr.M.Anbuezhayan received the Appreciation Award for SPOC for our college being an active NPTEL Local Chapter during the period January-December 2020.

Dr.S.Raja AP / MBA received a mentor certificate for Leadership NPTEL online certification course.

Nearly 125 students and 11 Faculty members successfully completed NPTEL online examination during the period January to December 2020 from our Local Chapter.



Department of Electrical & Electronics Engineering

Department of EEE conducted AICTE-ISTE sponsored Induction/Refresher Programme on 'Recent advancements in High Voltage Engineering' Phase-II in online mode from 3rd to 9th Feb 2021. The Induction Programme addressed the various topics related to advancements in High Voltage Engineering. The sessions were handled by following resource persons:

Day 1 (03/02/2021) -Session I & II: Prof.Dr.C.Kalaivanan, Dept of EEE, Sona College of Technology, delivered a lecture on Condition monitoring and testing of Insulating material in HV applications and Condition monitoring and testing techniques for HV Circuit breakers.

Day 1 (03/02/2021) -Session III: Dr.G.Udhaya Kumar, Associate Professor, Dept of ECE, SRMVEC delivered a lecture on Machine Learning Techniques for HV applications.

Day 2 (04/02/2021) -Session I&II: Dr.S.Chandrasekar, Professor-EEE, Dean (R&D), Sona College of Technology, delivered a lecture on High Voltage sensors and PD measurements.

Day 2 (04/02/2021) -Session III: Mr.S. Balaji, Assistant Professor, Dept of EEE, SRMVEC, delivered a lecture on High Voltage sensors and PD measurements.

Day 3 (05/02/2021)- Session I: Dr.Sivaraman.P, Assoc.Prof & Head-EEE, Bannari Amman Institute of Technology, delivered a lecture on Effects of Lightning on HV systems.

Day 3 (05/02/2021) - Session II: Prof.G.Sundarajan, Dept of EEE, JJ College of Engg. & Technology, delivered a lecture on Trends in Substation/deciding factor for Substation reliability.

Day 3 (05/02/2021)- Session III: Dr.Malathi.S, Assistant Professor, Dept of EEE

SRMVEC delivered a lecture on Optimization design of Energy Harvesting for Overhead HV lines.

Day 3 (05/02/2021)- Session IV: Mr.M.Kamalakaran, Assistant Professor, Dept of EEE, SRMVEC delivered a lecture on High Voltage HEV/ EV- Challenges & Solutions.

Day 4 (06/02/2021) -Session I&II: Dr.Mohana Sundaram.K, Professor-EEE, KPR Institute of Engg. & Tech, delivered a lecture on Modelling Design and control of cost effective HV Electrostatic Precipitator.

Day 4 (06/02/2021)- Session III: Dr.R.Arivalahan, Associate Professor, Dept of EEE,SRMVEC delivered a lecture on Soft computing Techniques for HV applications.

Day 5 (08/02/2021)- Session I: Prof.Dr.P.Manikandan, Dept of EEE, Christ University, Bangalore delivered a lecture on Grounding Practices for HV Equipment's.

Day 5 (08/02/2021)- Session II: Dr. Senthil Kumar.S, Professor-EEE, New Prince Shri Bhavani College of Engg. & Technology delivered a lecture on Grounding Practices for HV Equipment's.

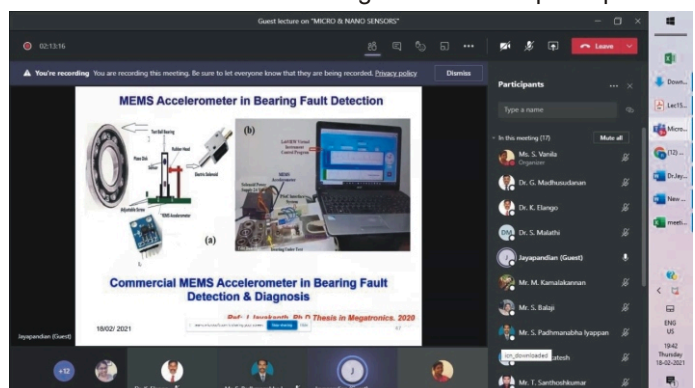
Day 5 (08/02/2021)- Session III: Mr.S.Venkatesh, Assistant Professor, Dept of EEE,SRMVEC delivered a lecture on Recent advancements of FACTS devices in HV transmission systems.

Day 6 (09/02/2021)-Session I: Dr.D.Doreen Robin, Director, CIFR, Chennai delivered a lecture on Successful Teachers (Motivational Talk).

Day 6 (09/02/2021)-Session II: Dr.D.Kavitha of Amrita University delivered a lecture on Theoretical and Experimental Investigation on Dielectric properties of Epoxy & XLPE Nanocomposites.

Day 6 (09/02/2021)-Session III: Dr.B.Muthu Senthil, Associate Professor, Dept. of CSE, SRMVEC delivered a lecture on Artificial Intelligence and Machine learning usecases and its AWS services.

Day 6 (09/02/2021)-Session IV: Dr.Malathi, Assistant Professor, Dept. of EEE SRMVEC Conducted the Feedback session and Technical test through online for the participants.



Guest Lecture on 'Micro & Nano Technology An Introduction and MEMS & Commercial Micro Sensors in Novel Applications'

A Guest Lecture was organized on the topic of 'Micro & Nano Technology An Introduction and MEMS & Commercial Micro Sensors in Novel Applications' on 18th Feb 2021 through online mode. Dr.J.JAYAPANDIAN, Head & Scientific Officer H (Rtd), Electronics & Instrumentation Section, Surface & Nano Science Division, Materials Science Group, IGCAR, Kalpakkam was the resource person.

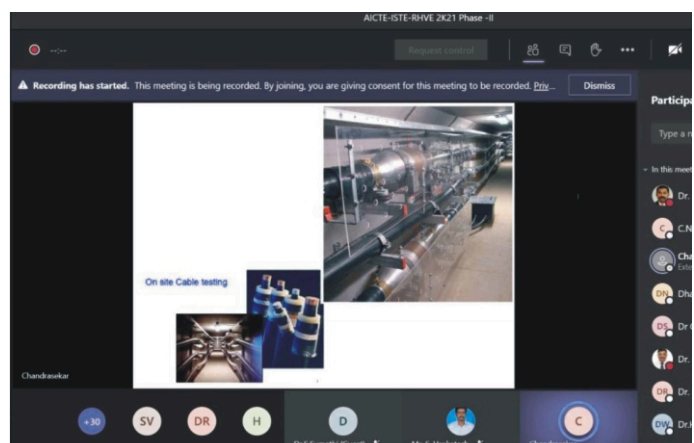
IEEE Madras Section awarded the Certification of Recognition to IEEE Student Branch of SRM Valliammai Engineering College in appreciation of the IEEE Student Branch activities during the year 2020 and cash prize of Rs.21750 was received.

AICTE-ISTE sponsored Induction/Refresher Programme was organized on 'Recent advancements in High Voltage Engineering' Phase-III in online mode from 3rd to 9th March 2021.The technical sessions were handled by following resource persons:

Day 1 (03/03/2021) -Session I: Dr.S.Gopinath, Associate Professor, Dept of EEE, Annasaheb Dange college of Engineering & Tech, delivered a lecture on Condition assessment of Insulation system on HV rotating Machinery using Hybrid Intelligent Techniques.

Day 1 (03/03/2021) -Session II: Dr.M.Ravindran, Associate Professor, Dept of EEE, National Engineering College, delivered a lecture on Recent Trends and Design of standalone Power system with switch gear.

3. Day 1 (03/03/2021) -Session III: Mr.S.Balaji, Assistant Professor, Dept of EEE, SRMVEC delivered a lecture on Extra HVAC Transmission Line Component Design.



Induction/Refresher Programme on 'Recent advancements in High Voltage Engineering'

Day 2 (04/03/2021) -Session I&II: Dr.R.Madavan, Associate Professor, Dept of EEE, PSR College of Engineering, delivered a lecture on Liquid Insulation system for Power Transformers.

Day 2 (04/03/2021) -Session III: Mr.T. Santhosh Kumar, Assistant Professor, Dept of EEE, SRMVEC delivered a lecture on Power system stability issues in Indian Grid.

Day 3 (05/03/2021) -Session I&II: Dr.S.Sudalai Shunmugam, Associate Professor, Dept of EEE, BNM Institute of Technology, delivered a lecture on Insulation coordination & recent trends in Insulation system.

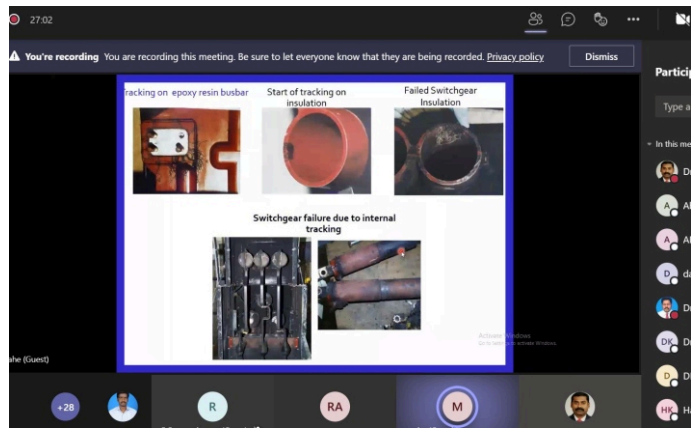
Day 3 (05/03/2021) -Session III: Ms.S.Vanila, Assistant Professor, Dept of EEE, SRMVEC delivered a lecture on Machine Learning Approach Application for High Voltage Engineering.

Day 3 (05/03/2021) -Session IV: Mr.M.Kamalakaran, Assistant Professor, Dept of EEE, SRMVEC delivered a lecture on High Voltage Electric Drives-A Comprehensive Study.

Day 4 (06/03/2021) -Session I: Dr.S.Arivalahan, Associate Professor, Dept of EEE, SRMVEC, delivered a lecture on Intelligent soft computing Techniques for HV applications.

Day 4 (06/03/2021) -Session II: Mr.S.Venkatesh, Assistant Professor, Dept of EEE, SRMVEC delivered a

lecture on Power flow control in High voltage Transmission system.



Induction/Refresher Programme on 'Recent advancements in High Voltage Engineering'

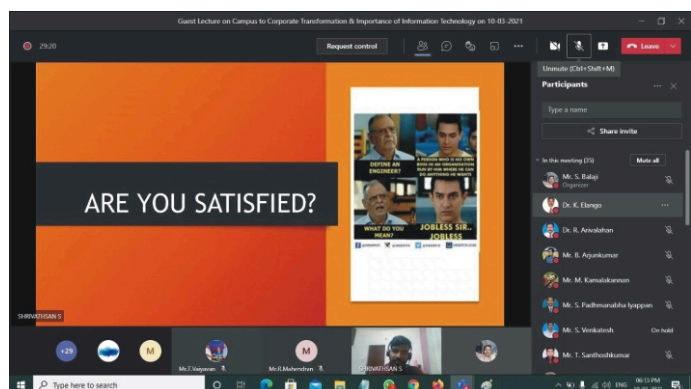
Day 5 (08/03/2021) -Session I & II: Dr.L.Kalaivani, Professor, Dept of EEE, National Engineering College, delivered a lecture on Design of High Voltage Insulators using FEM in COMSOL software.

Day 5 (08/03/2021) -Session III:, Dr.S.Malathi, Assistant Professor, Dept of EEE, SRMVEC delivered a lecture on Optimization in Transmission Tower structural design.

Day 6 (09/03/2021) -Session I & II: Dr.R.V.Maheswari, Professor, Dept of EEE, National Engineering College, delivered a lecture on Partial discharge pattern recognition using artificial neural network and its implementation in MATLAB.

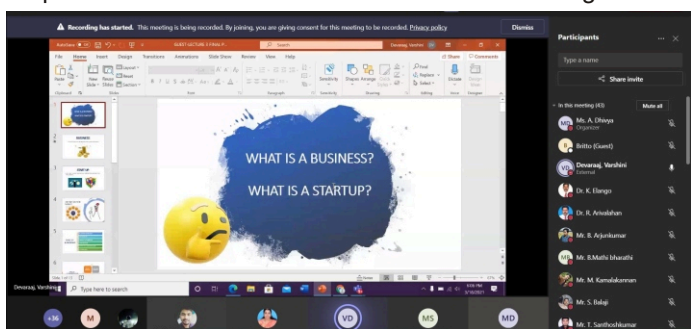
Day 6 (09/03/2021)-Session III: Mr.S.Padmanabha lyappan, AP, Dept of EEE, SRMVEC delivered a lecture on Application of Power Electronics in HVDC.

A Guest Lecture was conducted on the topic of 'Campus to Corporate Transformation & Importance of Information Technology' on 10th March 2021 through Online Mode. The resource person was Mr.S.Shrivathsan (Alumni), Application Development Analyst, Accenture, Chennai who spoke on the introduction of Campus to Corporate Transformation & Importance of Information Technology.



Guest Lecture on 'Campus to Corporate Transformation & Importance of Information Technology'

A Guest Lecture was conducted on the topic of Inspirational Talk on 'Interactive session / Mentoring session



Guest Lecture on 'Interactive session / Mentoring session with Successful Start-up Founders (Entrepreneurs in Campus)'

with Successful Start-up Founders (Entrepreneurs in Campus)' on 18th March 2021 through online mode. The session was presented by the resource person Ms.Varshini Devaraj(Alumni), Founder, Varshu's Homemade Chocolatez, Chennai who shared her experience and knowledge gained to start a business.

The second year, third year and final year students of EEE attended a virtual industrial visit on Mr. N.SRIRAM, Industry Institute Partnership Cell (IIPC) at RoboRam Private Ltd, Nagercoil on 27th March 2021.



Virtual Industrial Visit

Dr. K.Elango / Professor & Head published a paper on 'Dynamic Wireless Power Transfer for Electric Vehicle Charging Application', in the International Journal of Solid State Technology, Vol. 63, No. 3, (2020), Anna University Annexure Journal.

Dr. K.Elango /Professor & Head published a paper on 'Power Generation from Air Conditioner (AC) Exhaust Fan', in the International Journal of Solid State Technology, Vol. 63, No. 3,(2020), Anna University Annexure Journal.

Dr. K.Elango /Professor & Head published a paper on 'Modelling of an Efficient Electrical Power Generation System through Slow Moving Water', in the International Journal of Solid State Technology, Vol. 63, No. 3,(2020), Anna University Annexure Journal.

Dr. K.Elango /Professor & Head published a paper on 'Parking Management System using Semi-active RFID Integrated with QR Code', in the International Journal of Solid State Technology, Vol. 63, No. 3,(2020), Anna University Annexure Journal.

Dr. K.Elango /Professor & Head published a paper on 'Comparative Analysis of Solar PV Array Reconfiguring Techniques under Partial Shading Condition', in the International Journal of Solid State Technology, Vol. 63, No. 3,(2020),Anna University Annexure Journal.

Dr. K.Elango /Professor & Head published a paper on 'Internet of Things (IoT) Based Automated Teller Machine Security System", Solid State Technology, Vol. 63, No. 3, pp. 816 - 825, 03-10-2020, Anna University Annexure Journal.

Mr.S.Balaji, Assistant Professor has successfully completed a 30-day Internship on 'Matlab Simulink' at Pantech Prolabs India Pvt Ltd in association with Andhra Pradesh State Development Corporation (APSSDC) from Jan 25 to Feb 25, 2021.

Dr. R. Arivalahan, Associate Professor, Mr.S.Balaji, Assistant Professor and Mr.M. Kamalakannan, Assistant Professor published a paper on 'Development of ARDUINO based Microcontroller through Internet of Things (IOT) for the Measurement and Monitoring of Process Environmental Parameters', in the International Journal of Electrical Engineering and Technology (IJEET) Volume 12, Issue 2, February 2021, pp. 50-61, Scopus Indexed.

Akilesh.R.A, Kavya.M, Dhanavaradhan.M, Harish Kumar.P and Dr.K.Elango, Professor & Head published a paper on 'Energy management of microgrid using Distributed Generators', in the International Journal of Electrical Engineering and Technology (IJEET) Volume 12, Issue 3, March 2021.

Santha Kumar.M, Sathishkumar.S, Gunaseelan.M, Saran.S and Dr.K.Elango ,Professor & Head published a paper on 'Voice Controlled Car using Android, Arduino and Bluetooth', in the International Journal of Electrical Engineering and Technology (IJEET) Volume 12, Issue 3, March 2021..

Geetha.P, Devanathan.S, AbinRoy, Praveen KumaR.S and Dr.R.Arivalahan, Associate Professor published a paper on 'Design of Solar and Wind Hybrid Power Systems for Mobile Charging and Lighting System', in the International Journal of Electrical Engineering and Technology (IJEET) Volume 12, Issue 3, March 2021..

Madhumithaa.R.R, Akshaya Vidhya.E, Dhayanand.P, Karthick Rajesh.A and Dr.R.Arivalahan, Associate Professor published a paper on 'Design and Implementation of photogrammetry based Single Extrusion -Fused Fabrication 3D Printer', in the International Journal of Mathematics,Engineering and Management Sciences (IJMEMS).

Jagannathan.P, Jayapriya.S, Balaji.S, Ajay krishna.K and Dr.R.Karthik, Associate Professor published a paper on 'Power Quality Improvement using Dynamic Voltage Restorer for various faults', in the International Journal of Electrical Engineering and Technology (IJEET) Volume 12, Issue 3, March 2021.

Elakiya.P, Akilan.S, Haridharani.B, Arjunker.B and Dr.R.Karthik, Associate Professor published a paper on 'Automatic car parking system', in the International Journal of Electrical Engineering and Technology (IJEET) Volume 12, Issue 3, March 2021.

Arnika Choudry.B, Kavishobiya.R.P, Kapilesh.E, Vasanth.B and Dr.S.Malathi Assistant Professor(Sel.G) published a paper on 'Food preservation and maintenance using novel Electric Field Technique', in the International Journal of Electrical Engineering and Technology (IJEET) Volume 12, Issue 3, March 2021.

Nithiya Sree.C, Nivetha.M, Dhivyabharathi.K, Shasindar.S and Dr.S.Malathi Assistant Professor(Sel.G) published a paper on 'Modelling of Lithium Ion Battery Management and Monitoring System enhancing E-vehicle performance', in the International Journal of Electrical Engineering and Technology (IJEET) Volume 12, Issue 3, March 2021.

Yogalakshmi.M, Yogesh.S, Aripasath.R, Abhishek.M and Dr.G.Madhusudan, Assistant professor(Sel.G) published a paper on 'Origami Based Folding Techniques For Solar Panel Applications', in the International Journal of Electrical Engineering and Technology (IJEET) Volume 12, Issue 3, March 2021.

Soorya.S, Richy Reginald, Roshan Babu.G, Srihariharan.K and Dr.G.Madhusudan, Assistant professor (Sel.G) published a paper on 'Microplastic removal from water bodies using Triboelectric effect', in the International Journal of Electrical Engineering and Technology (IJEET) Volume 12, Issue 3, March 2021.

Balachandar.M, Deepak.K, Balaji.R, Divakar.D And Mr.S.Rajanbabu, Assistant Profesor(Sel.G) published a paper on 'Design of Mixed Reality (MR) Based Real Time Vision System For COVID Tracking and Control', in the International Journal of Electrical Engineering and Technology (IJEET) Volume 12, Issue 3, March 2021.

Karthik Krishna.S, Madhan Kumar.D, Hemchandar.G, Madhan Kumar.C and Mr.S.Rajanbabu, Assistant Profesor(Sel.G) published a paper on 'Performance analysis of Solid state Transformer', in the International Journal of Electrical Engineering and Technology (IJEET) Volume 12, Issue 3, March 2021.

Absara Mary.A, Iniyanathan.R, Arul Murugan.T, Balaramkrishnan.B and Ms.S.Vanila, Assistant Professor(Sel.Gr) published a paper on 'Energy Theft

Detection Issues For Advanced Metering Infrastructure using IOT in smart Grid', in the International Journal of Electrical Engineering and Technology (IJEET) Volume 12, Issue 3, March 2021.

Jeya Seelan.S, Kritika.J, Cerene Eunice Getsiah.C, Arunachalam.B and Ms.S.Vanila, Assistant Professor(Sel.Gr) published a paper on 'IOT based intelligent helmet for miners', in the International Journal of Electrical Engineering and Technology (IJEET) Volume 12, Issue 3, March 2021.

Kalyani.B, Saemala Dhevi.K, Mohamed Aasif.S, Arunachalam.B and Mr.S.Padmanabha Iyappan, Assistant Prfessor(SG) published a paper on 'Automated Social Distancing Gate With Non-Contact Body Temperature Monitoring', in the International Journal of Electrical Engineering and Technology (IJEET) Volume 12, Issue 3, March 2021.

Perumal.D, Saravana Kumar.G, Vignesh.S, Poovalingam.S and Mr.S.Padmanabha Iyappan, Assistant Prfessor (SrG) published a paper on 'Solar Indoor Air Purifier with Air Quality Monitor system', in the International Journal of Electrical Engineering and Technology (IJEET) Volume 12, Issue 3, March 2021.

Jagatheesh.S, Aashish.V, Harshavardhan.N.H, Brian Dominic and Mr.V.Sudhagar Assistant Professor (Sr.G) published a paper on 'Voltage Stabilization of Solar Powered DC Microgrid', in the International Journal of Electrical Engineering and Technology (IJEET) Volume 12, Issue 3, March 2021.

Poompavai.K.S, Muthukumaraswamy, Om Saravana Kumar.V and Mr.V.Sudhagar Assistant Professor(Sr.G) published a paper on 'Solar based automatic irrigation technology', in the International Journal of Electrical Engineering and Technology (IJEET) Volume 12, Issue 3, March 2021.

Mahendran.R, Kiran Kumar.R, Loganathan.G, Prabhakaran.R and Mr.T.Santhoshkumar, Assistant Professor (Sr.G)) published a paper on 'Solar PV powered BLDC motor drive for water pumping', in the International Journal of Electrical Engineering and Technology (IJEET) Volume 12, Issue 3, March 2021.

□ Madhumitha.S, Boopathiraja.U.S, Nagaselvakumar.K, Keerthana.V and Mr.T.Santhoshkumar, Assistant Professor (Sr.G)) published a paper on 'Micro-controller Based Sanitary Automation for Differently abled', in the International Journal of Electrical Engineering and Technology (IJEET) Volume 12, Issue 3, March 2021.

Pradeep Kumar.S, Karthikeyan.K, Reena.R, Santhosh.J and Mr.S.Balaji, Assistant Professor(OG) published a paper on 'End of train telemetry and Vehicle Integrity Monitoring System', in the International Journal of Electrical Engineering and Technology (IJEET) Volume 12, Issue 3, March 2021.

Subalakshmi.K, Thilagavathy.M, Surendhar.S, Surya.J and Mr.S.Balaji, Assistant Professor(OG) published a paper on 'Exam Hall Authentication Using Finger Print', in the International Journal of Electrical Engineering and Technology (IJEET) Volume 12, Issue 3, March 2021.

Sujith.N, Sneha Priya.G, Subramanian.K And Ms.R.V.Preetha Assistant Professor(OG) published a paper on 'Design,simulation and performance assessment of hybrid (wind -solar) energy system with embedded controller using ABC algorithm', in the International Journal of Electrical Engineering and Technology (IJEET) Volume 12, Issue 3, March 2021.

Shanmuga Priya.L, Thangapandiyam.K, Shankarnarayanan.C, Siva.R and Mr.S.Venkatesh Assistant Professor(OG) published a paper on 'Design of Electric Bicycle With Flywheel And BLDC Motor Using Solar Energy System', in the International Journal of Electrical Engineering and Technology (IJEET) Volume 12, Issue 3, March 2021.

Shobha.R, Sadiq Mafas.S, Karthic Raja.B, Sangeeth Ajay.M.B and Ms.R.Elavarsi ,Assistant Professor (OG) published a paper on 'IoT Based Air Quality Monitoring System and poisonous Gas Detection System', in the International Journal of Electrical Engineering and Technology (IJEET) Volume 12, Issue 3, March 2021.

Tharani.V, Kiruthika.S, Rubesh.M, Haggai Imayavarman.D.P and Mr.M.Kamalakaran, Assistant Professor(OG) published a paper on 'Intelligent Mobile Phone

Detector Cum Jammer', in the International Journal of Electrical Engineering and Technology (IJEET) Volume 12, Issue 3, March 2021.

Maria Abinas.J, Megasri.G, Moulika.A, Mahesh Raj.S and Ms.A.Divya,Assistant professor(O.G) published a paper on 'Puncture and pressure detection in heavy vehicles using image processing and micro controller', in the International Journal of Electrical Engineering and Technology (IJEET) Volume 12, Issue 3, March 2021.

Student Affairs Cell

The Student Affairs Cell of SRM Valliammai Engineering College in association with 'Education Matters' organized a webinar on Master Class titled 'Pathway to New Zero & Global Employability talk' for Mechanical Engineering students. The objective of this webinar is to provide career guidance and opportunities on future vehicle technologies higher education in abroad universities on 19th Feb 2021.

Dr. Sylvia Wong, Senior Lecture, Computer Science Aston STEM Education Centre and Dr. Ricardo, Reader, Mechanical Engineering & Design Aston Institute of Urban Technology and Environment (ASTUTE) delivered the higher education career guidance and opportunity in future EV vehicular technology for students.



The Coordinators of Student Affairs Cell Dr.N.Usha Bhanu, Prof/ECE, and Dr.M.Senthil Kumar Associate Prof/CSE with the support of the co ordinator from Mechanical department organized the programme effectively. Totally, 21 students from Mechanical Engineering department participated in the seminar



The Student Affairs Cell of SRM Valliammai Engineering College in association with 'Education Matters' organized a webinar on opportunities in higher education abroad on 22nd Feb 2021 in online mode MS- Teams. Ms. Reshmy Vijay, Director, Education Matters delivered a presentation on the opportunities in higher education in countries abroad for all the



department students. She briefly explained the eligibility requirements and the scholarship details for the higher education in Canada, Australia, US and other European countries to the students.

The webinar was organized for the benefit of all department students to provide career guidance on higher education in abroad universities. The Coordinators of Student Affairs Cell Dr.N.Usha Bhanu, Prof/ECE, and Dr.M.Senthil Kumar Associate Prof/CSE with the support of other Staff of different departments organized the programme effectively. Totally, 34 students from different departments participated in the Seminar.

As a part of the International Women's Day celebration, Dept of ECE conducted a webinar on 'Building Immunity by Siddha Mudra' in association with IETE Chennai Centre and Student Affairs Cell to the students and faculty members on 10th March 2021 in Microsoft Teams. The objective of the webinar is to provide guidance to improve the immunity and health of a person by practicing various mudras. Dr.Komala James, Professor & Head welcomed the participants, Dr. N. Usha Bhanu, Prof and Coordinator for Student Affairs cell introduced Chief Guest Dr. Salai Jaya Kalpana, Founder & Director, Siddha Forest.

The Resource person explained the detailed benefits of Mudras and yoga practice, she also demonstrated to the participants and elaborated Mudras to improve metabolic functions in the body. She demonstrated seven basic Mudras to be practiced daily to increase body immunity and reduces unhealthiness. Dr. M. Murugan, Vice Principal participated in the webinar and clarified his doubts regarding mudra practice to the resource person. Dr. N.Venkateswaran, Chairman, IETE Chennai center interacted with the resource person. The Webinar concluded with the Vote of Thanks by Dr.N.Subhashini, Assistant Professor. Around 72 participants from various colleges participated in the programme.

The Student Affairs Cell of SRM Valliammai Engineering College organized Life Insurance investment camp on 26th March 2021. Ms. K. Renuka, Asst. Manager City Union Bank Ltd, SRM Branch along with Mr. Manikandan.S, LIC Branch Manager, Tambaram provided one to one counseling on the insurance availability for tax saving and for secured pension scheme opportunities available for the staffs. They briefly explained the schemes and their benefits for the income tax schemes.

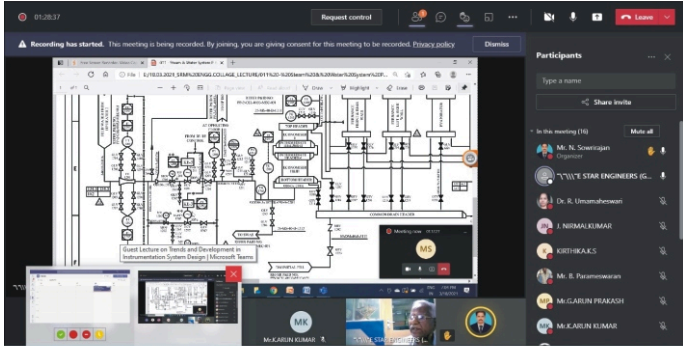
The Coordinators of Student Affairs Cell Dr.N.Usha Bhanu, Prof/ECE, and Dr.M.Senthil Kumar Associate Prof/CSE with the support of other Staff of different departments organized the programme effectively. The faculty clarified their doubts regarding various insurance schemes from the resource persons. Totally, 7 staff members from different departments participated and benefited from the insurance camp.



Department of Electronics & Instrumentation Engineering

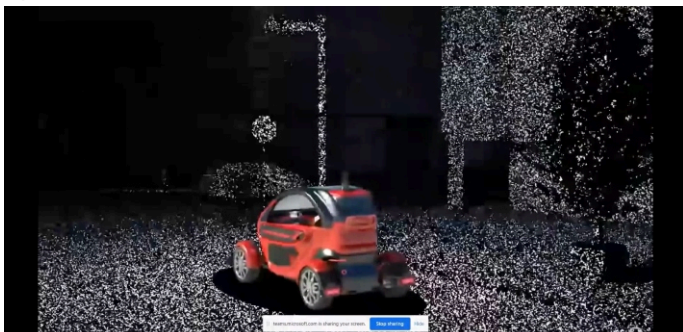
The Dept. in association, with the ISA VMEC Student Charter and ISTE organized following program as follows.

A Guest Lecture on 'Trends and Development in Instrumentation System and Design' was delivered by Mr.M.Devendran, Automation Engineer Head, Estar Engineers Pvt. Ltd., Chennai. on 18th March 2021.



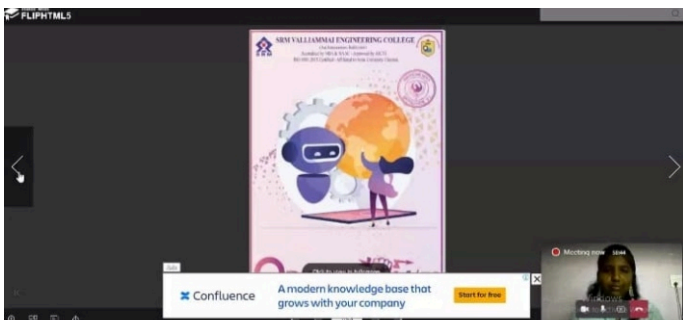
Guest Lecture on 'Trends and Development in Instrumentation System and Design'

A Workshop on 'Emerging Trends in Industrial Automation' was delivered by Mr. M. Jeyaprakash, Test Specialist, Robert Bosch, Coimbatore on 5th March 2021.



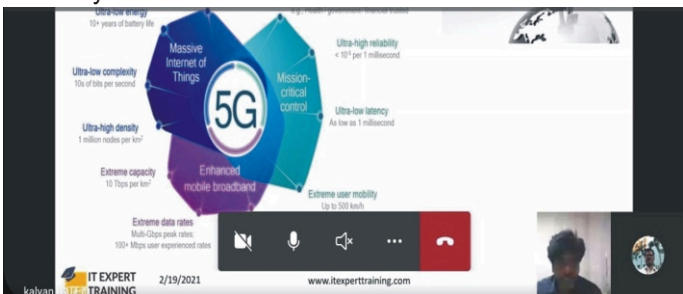
Workshop on 'Emerging Trends in Industrial Automation'

An Online technical symposium ORKESTRIM 21st was conducted on 27th March 2021. The inaugural address was given by Mr.Jagadeesh Ganesan, Project Manager, BHP, WesternAustralia.

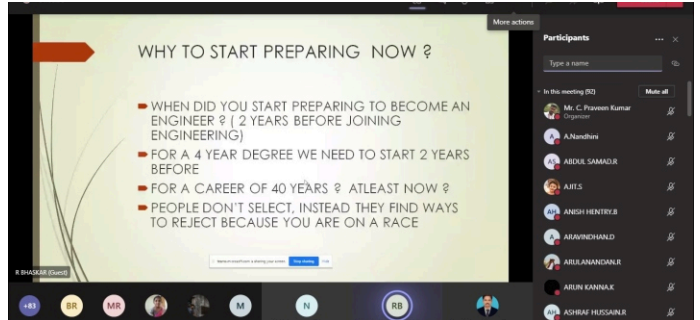


Online Technical Symposium ORKESTRIM

A Guest Lecture on 'Internet of Things & 5G in Instrumentation' was delivered by Mr. R. Kalyanasundaram M.E., Director R&D, SAI Technology Pvt. Ltd, Chennai on 19th February 2021.



A Motivational Talk was delivered by Mr.R.Bhaskar, B.E., MBA, Business Partner Manya The Princeton Review (US), Business Advisor CENTRIQE on 1st Feb 2021 for the benefit of EIE students.



Motivational Talk

M. Thivakar IV year participated in 'ISA'S India Automation Games 2020' organized by NMIMS University on 9th Jan and 10th Jan 2021.

M. Thivakar IV year participated in 'How to tand cloud technologies are revolutioning healthcare' organized by ISA South India section on 30th January 2021.

Sri Ram Kumar K IV year published paper a 'Fuzzy approaches for mobile robotics in dynamic environment' in International Journal of Scientific Research in Engineering and Management (IJSREM) Volume: 05 Issue: 02nd February - 2021 ISSN: 2582-3930

Sri Ram Kumar K IV year presented a paper titled 'Novel approaches in the design of finite state machine using EDA tools' in International Conference on Automation Science and Engineering - (ICASE-21) 13th February 2021.

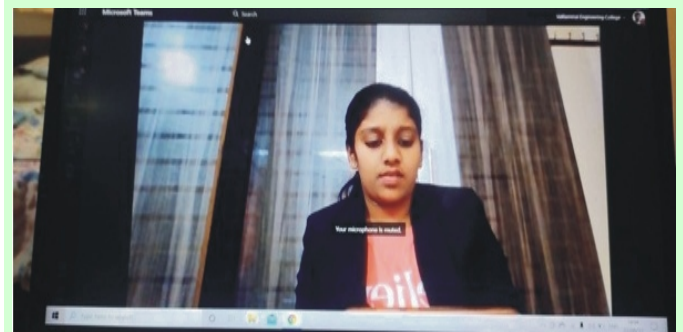
Aswin M II year won the Gold medal in Anna University Zone IV Basket Ball (Men) Tournament 2020-21 organized by Prince Sri Venkadeshwara Padmavathi College of Engineering, Chennai on 19.03.2021.

YRC

An Online creative writing event held on the occasion of Nethaji Subhash Chandra Bose's birth anniversary was conducted on 23rd Jan 2021. 23 students participated in the event.

As part of the International Women's Day event 'Young Entrepreneurial Experience' an Online Lecture by Ms. Vinusha.M.K., Founder, Four Seasons Pastry, was conducted on 8th March 2021, 59 students participated in the programme.

The guest shared her entrepreneurial experience as a youngest entrepreneur, She talked about the successful business personalities who inspired her. She revealed her business volume. She shared her time management techniques, the accolades she received from AMUL, actor Kamalhasan, chef Sanjeev Kapoor and the likes also inspired the audience



EDITORIAL

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

Editors : **Dr. M. Murugan**, Vice Principal, VEC

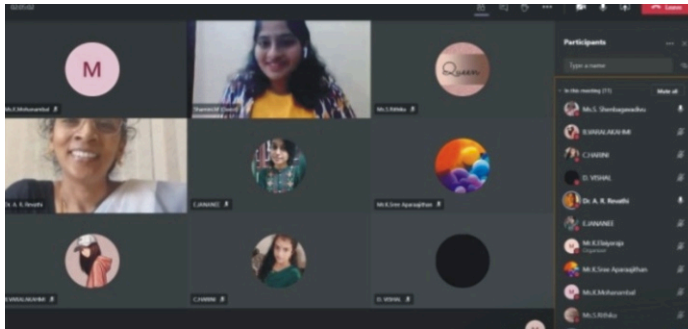
Ms. M. Chitra, Asst. Prof.(Sr.G), Head, Dept. of English

Ms. Geetha Murali, Asst. Prof.(Sr.G), Dept. of English

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

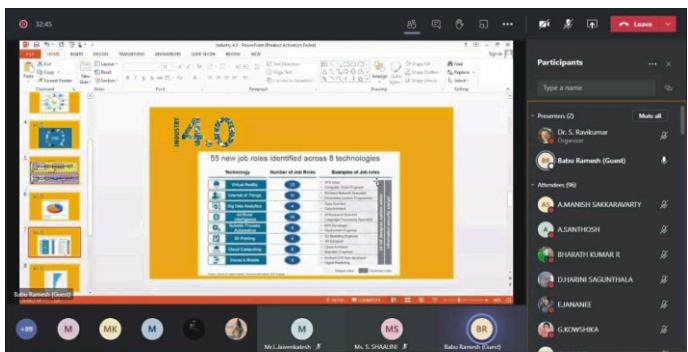
Department of Information Technology

A Motivational Talk on 'It's Time to leave your comfort zone to make big change in Your Life!!' was organized on 3rd Feb 2021 for IT students and the Resource Person was Ms.M.Shamini, Director-Mind Boom, Motivational speaker and Life Coach, Maveric Systems, Alumni (Batch : 2016-2020) and the coordinators were Ms.S.Shenbagavadivu, A.P & Ms.K.Mohanambal,A.P.



Motivational Talk on 'It's Time to leave your comfort zone to make big change in Your Life!!'

A Motivational Talk on 'Future of Budding Technologists in Industry 4.0' was organized on 4th Feb 2021 for IT students and the Resource Person was Mr. Babu Ramesh, Data Scientist, Cognizant Technology Solutions, Alumni (Batch : 2008-2012).The coordinators were Dr.S.Ravikumar, A.P & Ms.R.Lakshmi,A.P.



Motivational Talk on 'Future of Budding Technologists in Industry 4.0'

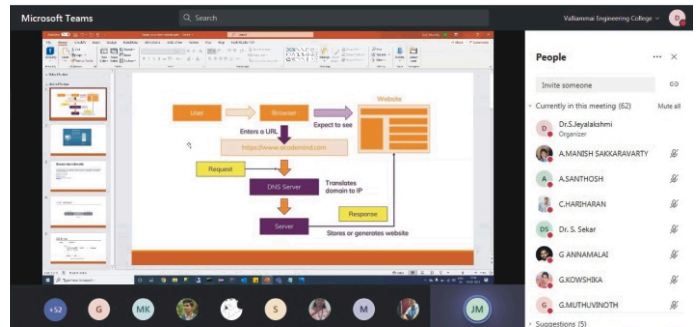
A Guest Lecture on the 'Operating Systems' was organized on 11th Feb 2021 and the Resource Person was Ms.Anirudha Selvarajan, Senior Analyst, Data Science, Tiger Analytics, Chennai Alumni (Batch: 2012-2016). The coordinators were Mr.K.Elaiyaraja,A.P & Ms.R.Lakshmi, A.P.

A webinar on the 'Data Analysis Tools And Automation' was organized on 16th Feb 2021 and the Resource Person was Ms. Janitha Jothi Prakash, IT-Analyst, TCS Chennai, Alumni,(Batch 2011-2015). The coordinators were Dr.S.Narayanan.A.P & Ms. R. Thenmozhi, A.P.



Webinar on the 'Data Analysis Tools And Automation'

A seminar on the 'Web Development' was organized on 19th Feb 2021 and the Resource Person was Mr. S. Jothi Moorthy, Senior Software Engineer, Automation Anywhere, Bangalore. The coordinators were Dr. S. Jeyalakshmi, A.P & Ms. R. Shanthi, A.P.



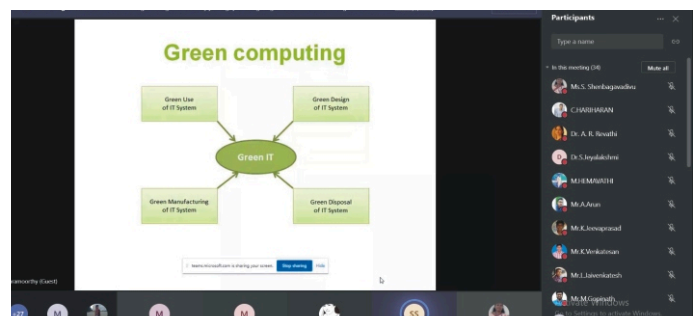
Seminar on the 'Web Development'

A webinar on the 'Principles of Compiler Design' was organized on 26th Feb 2021 and the Resource Person was Dr.Shyamala R, Head, Department of Information Technology, UCE-Tindivana. The coordinators were Ms.S.Shenbagavadivu, A.P & Ms.K.Mohanambal,A.P.



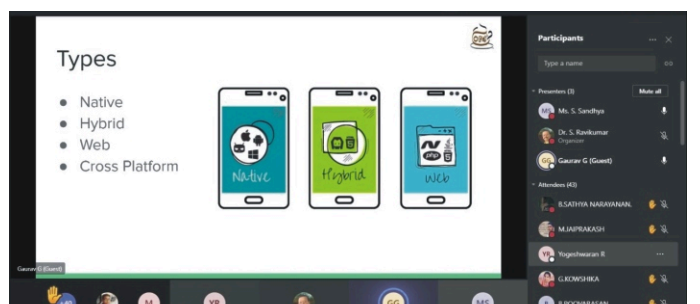
Webinar on the 'Principles of Compiler Design'

A Guest Lecture on the 'Green Computing' was organized on 3rd March 2021 and the Resource Person was Mr. Selvam Sundaramoorthy, Project Manager, Tata Consultancy Services, Chennai. The coordinators were Ms. R. Shanthi,A.P (Sr.G) & Dr. S. Jeyalakshmi, A.P.



Guest Lecture on 'Green Computing'

A webinar on the 'Mobile Application Development' was organized on 5th March 2021 and the Resource Person was Mr.Gaurav G Punjabi, Tech Lead/Co-founder, Coffee Inc, Chennai.The coordinators were Ms.S.Sandhya, A.P & Dr.S.Ravikumar,A.P.



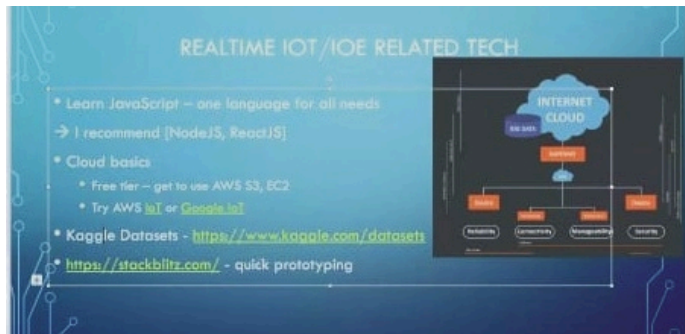
Webinar on 'Mobile Application Development'

A workshop on the 'Prototype Design & Development: MAYA Skill Enriched Production On Animation' was organized on 9th March 2021 and the Resource Person was Mr. Jaikumar Balasubramanian Founder/Director of Druid Studios Pvt., Ltd., and Krown Animation Pvt., Ltd., Bangalore. The coordinators were Ms. R. Thenmozhi, A.P & Dr. S. Narayanan, A.P



Workshop on 'Prototype Design & Development: MAYA Skill Enriched Production On Animation'

A webinar on the 'Prototype Design and Development: Internet of Everything' was organized on 24th March 2021 and the Resource Person was Mr. S A Sundarapandyan Software Manager, Amazon, Chennai, Tata Consultancy Services, Chennai. The coordinators were Mr. R. Sankaranarayanan, A.P & Mr. M. Kavinkumar, A.P



Webinar on 'Prototype Design and Development: Internet of Everything'

Dr. A.R. Revathi, Asso. Prof., published a book chapter titled 'Convergence of AI, ML and DL for Enabling Smart Intelligence: Artificial Intelligence, Machine Learning, Deep Learning, Internet of Things' in a volume in the Advances in Web Technologies and Engineering (AWTE) in Jan 2021.

Dr. A.R. Revathi, Asso. Prof., published a book chapter titled 'Perspectives of Machine Learning and Deep Learning in Internet of Things and Cloud: Artificial Intelligence Based Internet of Things Systems' in a volume in the Advances in Web Technologies and Engineering (AWTE) in January 2021.

Dr. S. Ravikumar, A.P., published a journal article titled the 'IoT based autonomous car driver scheme based on ANFIS and black widow Optimization' in Journal of Ambient Intelligence and Humanized Computing, ISSN: 1868-5137, Jan 2021.

Dr. S. Ravikumar, A.P., published and granted a Patent titled 'IOT based Virtual Students Monitoring System by Using TF Plus Mini Lidar Sensor' in Australian Innovation Patent on 31st March 2021.

Ms. R. Shanthi, A.P., published a journal article titled the 'A Smart Alternative Tool to Measure Intraocular Pressure during Coronavirus Pandemic' in Sambodhi (UGC Care Journal) ISSN: 2249-6661, Vol-43, No.-03 (II) Nov-Dec-2020.

Dr. S. Ravikumar, A.P., published a journal article titled the 'Software Security Requirement Engineering for Risk and Compliance Management' in International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, March 2021.

Mr. K. Elaiyaraja, A.P., published a journal article titled the 'A Novel Variable Weight Grey Wolf Optimization Algorithm in Medical Image Fusion' in Journal of Medical Imaging and Health Informatics, ISSN: 2156-7018, March 2021.

Ms. S. Shenbagavadi A.P., delivered a lecture on 'Internet of Things' organized by St. Joseph's Institute of Technology, in association with CSI on 27th March 2021.

Staff Members participated in 2 Online FDP/STTPs, 15 Webinar/ Guest Lecture/ Quiz/Others & 21 Certification.

Students participated in 5 Webinars, 2 Paarivendhar Thamizh Mandram, 6 Online Exam/Certification Exam & 1 Shortlisted in First Level AICTE Chhatra Vishwakarma Awards 2020.

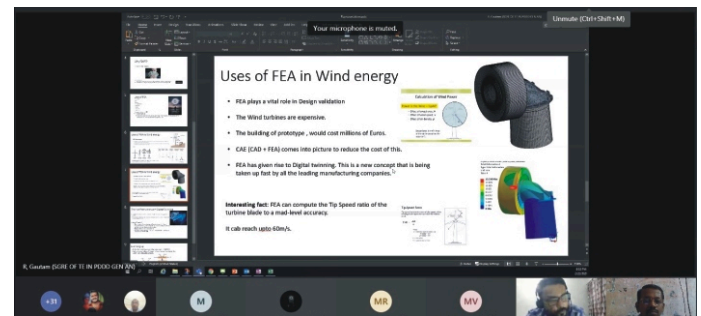
Department of Mechanical Engineering

As a part of bridge course, an online Guest Lecture on 'Motivational Talk' conducted 3rd Feb 2021 through MS Team. The chief guest Sri. Shabeer Khan, Field/Maintenance/Rotary Engineer, Donaldson Middle East Filtration System, Abu Dhabi, UAE, spoke on 'Expectation from the Industries'. He shared his personal experience about how he got selected in Larson and Toubro. He clearly explained about the expectations of different industries from the fresh engineering graduate. He narrated how to prepare CV as per the requirement of individual companies. The session was very much interactive as the speaker motivated the audience by providing industrial examples. The speaker also spoke on goal setting. The speaker pointed out various software training programmes like Revit, Solid modelling, Siemen NX software for our students.



Guest Lecture on 'Motivational Talk'

The Guest Lecture on 'Application of Finite Element Analysis and Scope for Innovation in Future' was successfully conducted through online mode on 22nd Feb 2021. The resource person Mr. Gautam Rajasegaran, Associate Manager, Siemens Gamesa Renewable Engineering LTD, delivered the expert lecture on the respective topics. He covered the recent advancements in the area of Renewable Energy and technological developments in the wind energy sectors through FEA.



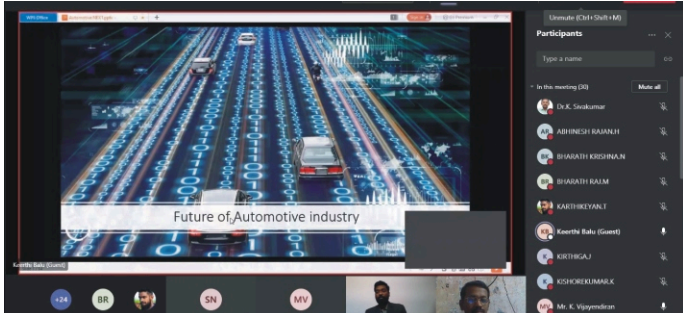
Guest Lecture on 'Application of Finite Element Analysis and Scope for Innovation in Future'

- Introduction to Finite Element Analysis
- Modern wind turbines
- Application of FEA in the field of renewable energy

Matrices and its approach in FEA on problems ■ Development of FEA models on energy sector ■ Governing differential equation in FEA ■ Mathematical modelling ■ Validation in FEA ■ Digital Twinning.

The topics covered were very useful to the budding engineers. A total 94 members registered, out of which 48 members participated in the guest lecture.

The Guest Lecture on 'Innovation in Digital Manufacturing' was successfully conducted through online mode on 27th Feb 2021. The resource person Mr.Keerthi Balu, Deputy Manager/Production Planning, Connected cars-Consultant, delivered the expert lecture on the respective topics.

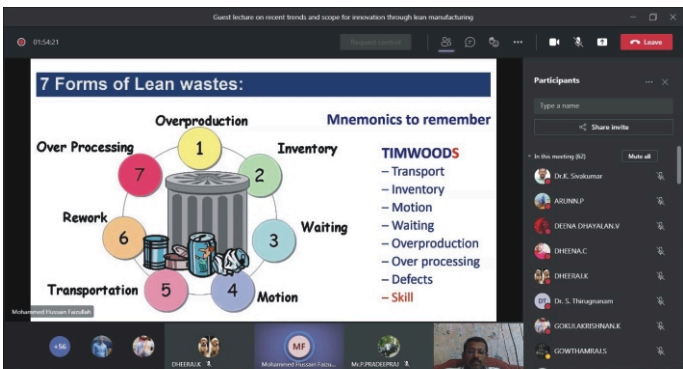


Guest Lecture on 'Innovation in Digital Manufacturing'

He covered the recent advancement in the area of automobile engineering

■ Introduction to Digital Manufacturing ■ Innovation in Automobile fields ■ Application of artificial intelligent (AI) and internet of things (IOT) in cars ■ Autonomous Vehicle Development ■ Electrification is the future ■ Types of Electric Vehicle ■ Validation in Digital Manufacturing ■ Digital Twinning

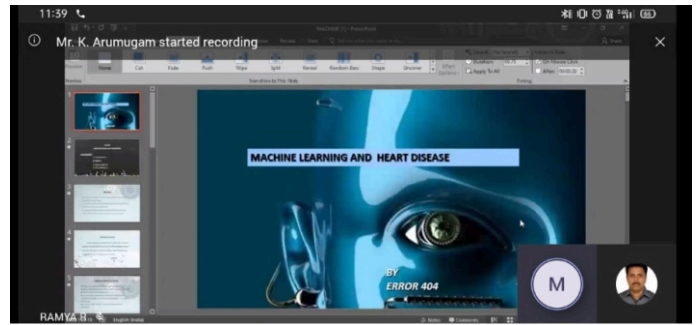
The Guest Lecture on 'Recent trends and scope for innovation through lean manufacturing' was successfully conducted through online mode on 12th March 2021. The resource person Mr.Mohammed Hussain Faizullah, Manager Industrial Engineering- alfanar Electrical Systems - Riyadh, Saudi Arabia, delivered the expert lecture on Lean manufacturing, 7 forms of lean waste, Theory of constraints, step by step process of constraints, Industrial automation. . He also covered the recent advancement in the area of lean manufacturing and technological developments in the manufacturing automation. The topics covered were very useful to the budding engineers. A total of 136 members registered out of which 104 members participated in the guest lecture.



Guest Lecture on 'Recent trends and scope for innovation through lean manufacturing'

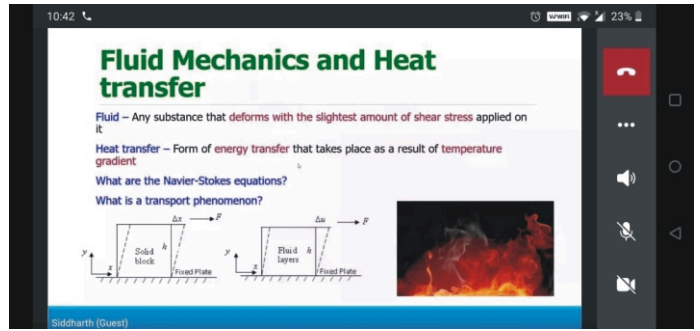
A National Level Technical Symposium 'MEQNZO 21' was successfully conducted through online mode on 20th March 2021. The Symposium was organized with the primary objective of bringing together of the academicians and practitioners in Mechanical Engineering and other associated fields in an online platform, to share their knowledge and expertise, so as to contribute towards research and development in the field. Technical events like Paper Presentation, Mequiz, CAD Modelling and Non-technical events like photography and short video presentation were conducted in the symposium MEQNZO-2021. About 20

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 103 members were registered and participated in various activities.



National Level Technical Symposium 'MEQNZO 21'

The Guest Lecture on 'Introduction to Computational Fluid Dynamics' was successfully conducted through online mode on 21st March 2021. The resource person Er.N.Siddharth, CFD Engineer, Valeo India Private Ltd, delivered the guest lecture on the respective topics.



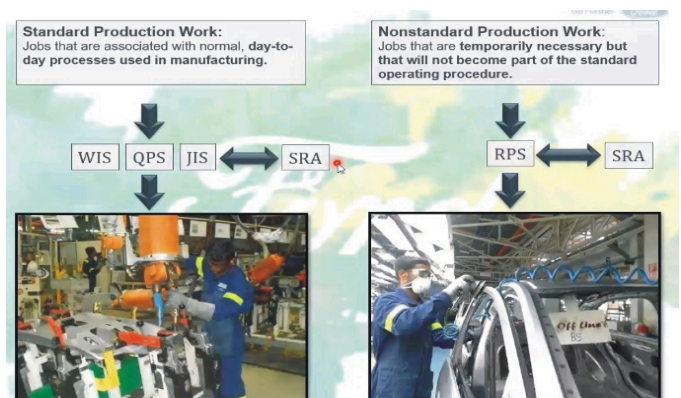
Guest Lecture on 'Introduction to Computational Fluid Dynamics'

The following topics were covered.

■ Basics of Fluid mechanics and heat transfer ■ Mathematics in computational fluid dynamics ■ Conditions to be satisfied to solve a problem using CFD ■ Computational algorithms in CFD ■ How to use the Ansys FLUENT ■ Heat transfer problem using CFD ■ Laminar flow in a pipe ■ Comparison of Results ■ Tutorial Problems ■ Applications of CFD.

The topics covered were very useful to the mechanical engineering students. A total of 95 members registered, out of which 59 members participated in the guest lecture.

The Guest Lecture on 'Best Safety Practices in Automobile Industry' was successfully conducted through online mode on 26th March 2021. The resource person Mr.X.Velanganni Manohar, Senior Health and Safety officer Ford India Private Limited, delivered the expert lecture on the respective topics.



Guest Lecture on 'Best Safety Practices in Automobile Industry'

He covered the latest safety developments in the present automobile industry like

- 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.

The topics covered were very useful for everyone to learn about the safety practices in automobile industry. A total of 94

members registered, out of which 51 members participated in the guest lecture.

Dr.S.Thirugnanam, Professor and Mr.R.Srinivasan Assistant Professor (Sr.G) presented a paper in 3rd National E-conference on Recent Development in Automobile and Mechanical Engineering (RDAME'21) at Easwari Engineering College under the title of 'Experimental investigations on the effect of heat treatment on Aluminium Hybrid Composites reinforced with Graphite and Aluminium Oxide.

SPORTS

Our Student Selvan. Asswanth BV, I-EIE, Won the Gold Medal in National Level Youth Rural Games and Sports Badminton Men Championship 2020-21, U-21 event and was selected to represent our Indian team for International Championship held at Goa between 24th to 30th March 2021, He also won Two Gold Medals in Tamil Nadu State Level Youth Rural Games & Sports Badminton Championship 2020-21 held at Karur on 28th Feb 2021.

Our Student Selvan. Vasanthakumar K, I-Mech, was honored by Ariyalur District Collector with Rs.4000/- cash and shale for representing Tamil Nadu Team and won Silver Medal National level Ball Badminton Tournament held at Kerala.

Our VEC student Miss. M. Subathra, IV - Mech, represented Andra Pradesh State Ball Badminton Senior Women team and won a Bronze Medal in Senior National Ball Badminton Women Championship 2020-21, held at Jaipur between 26th and 29th March 2021.

SRM VEC Won the Gold Medal in Anna University Zone 4 Basketball Men Tournament 2020-21 organized by Prince Sri Venkadeshwara Padmavathi College of Engineering on 19th March 2021.



SRM VEC Won the Gold Medal in Anna University Zone - 4 Ball Badminton Men Tournament 2020-21 organized by SRM Valliammai Engineering College on 13th March 2021.

SRM VEC Won the Silver Medal in Anna University Zone - 4 Cricket Men Tournament 2020-21 organized by Dhanalakshmi College of Engineering from 22nd to 25th March 2021.

SRM VEC Won the Bronze Medal in Anna University Zone - 4 Chess Men Tournament 2020-21 organized by New Prince Bhavani College of Engineering and Technology on 20th March 2021.

SRM VEC Won the Bronze Medal in Anna University Zone - 4 Badminton Women Tournament 2020-21 organized by Sri Sairam Engineering College on 10th March 2021.

Department of Physical Education organized the Anna University Zone - 4 Ball Badminton Men Tournament 2020-21 on 13th March 2021.

Dr.N.Ganapathy, Director of Physical Education, SRM VEC, represented as a Selection Committee Member for Anna University Chennai Zone - IV Ball Badminton Men and Basketball Men Tournaments 2020-21.

SRM VEC Team won Anna University Zone-4 Overall Championship Third Position for Sports & Games 2020-2021.



Department of Management Studies



Webinar on 'Redefining Business Strategies: Innovative Approaches - The HR Context'

Dept. of Management Studies organised an Online Webinar series on 8th Jan 2021. In the first webinar Smt. Anuradha Nagarajan, HR Manager, Kaleeswari Refinery Private Limited, addressed the students on 'Redefining Business Strategies: Innovative Approaches - The HR Context'. Students of First Year MBA participated and benefited from the program. Mr. V.T. Baalaji Amuthan, Asst. Professor, coordinated the event. In the Second Webinar on Smt. Nandini Murali, Communication and Gender Diversity Consultant, addressed the First Year MBA students on 'Building Resilience'. She emphasized on building ability to

adapt to adversity, trauma, tragedy, threat and stress. Mr.,C.Dilip, Asst. Professor, coordinated the event.



Dept. of Management Studies organised a Guest Lecture on 'Modern Branding - Online and Offline' for First Year MBA Students on 5th Feb 2021. Mr. Sakthi Pannerselvam, Chief Surprise Ninja, Guerilla Marketing expert and author delivered the lecture. Dr. K. Sentamilselvan, Asst. Professor coordinated the event.

A motivational talk was organised by the Dept. of Management Studies for the First Year MBA students on 27th March 2021. Mr. Ajith Selvaraju, Founder and CEO of N'Kisi Institute of Training addressed the students. The session was focused towards identifying opportunities in life and highlighted the importance of developing communication skills of the students.

NSS



Awareness of COVID-19 disease and controlling its related infection

The NSS unit of SRM Valliammai Engineering College organized an event for students to create awareness of COVID-19 disease and to control its related infection among students on 12th March 2020. Dr. Deepa Srinivasan and her team from Chengalpattu Medical College visited all the classes in the College and gave awareness about Covid19. They demonstrated some precautionary steps to avoid infections and prescribed some primary medicines for those who needed it. They also clarified all the doubts raised by the students. Finally, Dr. S. Parthasarathy, NSS Programme Officer proposed a vote of thanks.



Distribution of Family Essential Kits

The NSS unit of SRM Valliammai Engineering College in association with Habitat for Humanity India and Wells Fargo distributed 100 kits of family essentials to 100 Irula families in Periya Putheri on 22nd Feb 2021. Each kit included 10kgs rice, ½ kg ghee, 2litres sunflower oil, 1kg iodized salt, 2 kgs Toor dhal, 2 kgs Split Bengal gram, 3 bath soaps, 2 kgs sugar, ½ kg tea dust, 1kg rava, 3kgs wheat flour, 1kg Multigrain flour and 1kg rava.

The Staff of SRM Valliammai Engineering College were administered the first dose of COVID-19 vaccine at the Government Primary Health Centre, Guduvanchery on 24th March 2021 by the NSS unit of SRM Valliammai Engineering College. Initially the staff were checked by the doctor and were recommended to get the vaccine.



Vaccination for staff against COVID-19 in SRM VEC

Department of General Engineering

Mr.S.K.Saravanan, AP(Sel.G) attended an Online Faculty Development Programme on 'Data Sciences' conducted by AICTE Training and Learning (ATAL) Academy at Sri Sai Ram Institute of Technology from 1st to 5th Feb 2021.

Dr. D. Sridevi ,Dr. V. Vijayalakshmi, Dr.C.Amali, and Mr.K.Guru published 'SOT based Garbage Management System' Ilkogretim Online - Elementary Education Online, Year; Vol 20 (Issue 5): pp. 2207-2214, March 2021, <http://ilkogretim-online.org> doi: 10.17051/ilkonline.2021.05.240

The following staff members have completed the NITTR Modules :

- Mr. S.K Saravanan, Asst. Professor(Sel.G), Modules Number 1 and 7
- Dr. S. Parthasarathy, Asst. Professor(Sel.G), Modules Number 1
- Dr. D. Sridevi, Asst. Professor(Sen.G), Modules Number 1 and 7.

The department staff attended the following online events: FDP 1, Publication 1, Webinar-5.

Department of English

Three sessions of the Oratorical Competitions under the auspices of 'Burke Club' were held on 31st January 2021, 13th February 2021 and 27th February 2021. The competitions were conducted on Microsoft Teams, where the first year students exhibited their oratorical skills and participated enthusiastically. The winners were rewarded with E-Certificates.

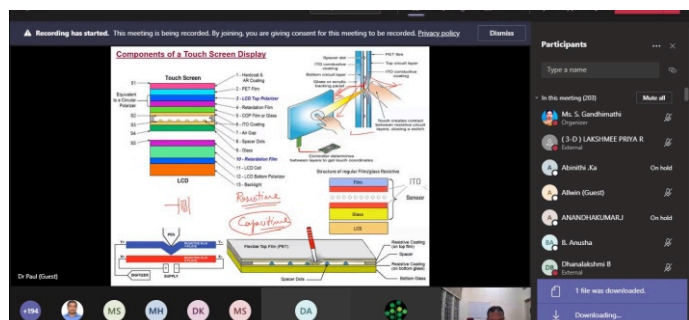
In connection with the birthday celebrations of the Indian Nationalist Netaji Subash Chandra Bose a set of competitions were conducted under the title 'Celebrating Leadership'. The competition conducted were Poster making, Comics, Write to Sing and Lead to lead Translating vision into reality.

Ms. M.Chithra, Head Dept. of English, Dr. Sheeba Manodh, Asst. Prof., Ms. R.Geetha, Asst. Prof., Ms.V.Jayanthi, Asst. Prof., Ms. M.Arthi, Asst. Prof., Ms. M.S.Shyamala, Asst. Prof., Mr. Abhishek David John, Asst. Prof., attended a five day International Faculty Development Programme on Language and Literature: Tools to Understand Society and Culture organized by the Department of English and other Foreign Languages, SRM Institute of Science and Technology, Ramapuram Campus, from 9th March 2021 to 13th March 2021.

Dr. Sheeba Manodh, Asst. Prof., and Ms. M.S.Shyamala Asst. Prof., completed one module on 'Orientation towards Technical Education & Curriculum Aspects' conducted by National Initiative for Technical Teachers Training (NITT-2021).

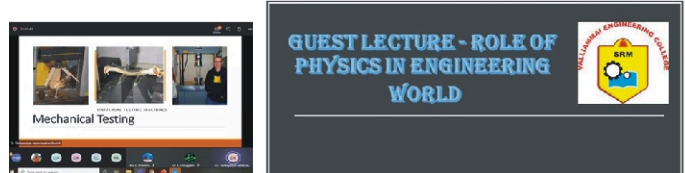
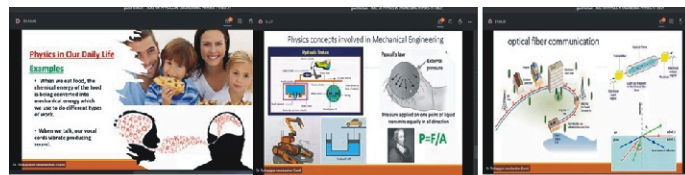
Department of Physics

Department of Physics organized a Guest Lecture for the topic 'Nanodimensional films 'Basics and Applications' delivered by Dr.D.Paul Joseph, A.P., Department of Physics ,NIT, Warangal, Telengana, on 5th Feb 2021.



Guest Lecture on 'Nanodimensional films 'Basics and Applications'

A Guest Lecture was organised on the topic 'Role of Physics in Engineering World' delivered by Dr. Tholkappiyam Ramachandran, Post-doctoral Researcher, Department of Physics College of Science, UAE University ,United Arab Emirates, on 11th Feb 2021.



Guest Lecture on 'Role of Physics in Engineering World'

Dr M Anbuhezhiyan participated in a workshop on 'Chemistry towards Engineering' conducted by the Department of Chemistry, SRM Valliammai Engineering College, on 22nd Jan 2021.

Dr.K.Thirupathi participated in the AICTE sponsored online QIP Short term course on 'Thin Film Devices for Sensor Applications 'organized by School of Materials Science and Technology, IIT Bhuvaneshwar, Varanasi during January 25-29, 2021.

Mrs.R.Sasireka and Mrs. Ms.Ramya Rajan M.P participated in a national level E-quiz on 'International day for women and girls in science' organized by the Department of Physics, Government Arts College for Women, Salem on 11th February 2021.

Dr.K. Thirupathi participated in an international webinar on 'Multidisciplinary Research' on 13th March 2021 organized by the Department of Chemistry, Guru Nanak College of Science, Ballarpur District, Chandrapur.

Dr.K.Thirupathi and Dr.S.Padmaja participated in TEQIP III sponsored One-week e-FDP on 'Materials for Semiconductor Devices and PV Modules' organized by CoE in Advanced Materials Research, IEEE PES-SSIT, Department of Electrical and Electronics Engineering in association with FET MJP, Rohilkhand University, Bareilly, U.P. from 8th to 13th March 2021.

Mrs.R.Sasireka and Mrs.Ramya Rajan M.P participated in a one week online workshop cum Faculty Development Program on 'Quality Engineering and Technological Advances in Materials and Devices' from 8th March to 22nd March 2021.

Dr.H.Krishnan ,Dr.M.Anbuhezhiyan and Mrs.Ramya Rajan M.P participated in a University Distinguished Lecture titled 'Science and Technology for Health life and Planet' delivered by Prof. Seeram Ramakrishna ,FREng Everest Chair, National University of Singapore and organised by SRM University-AP on 20th March 2021.

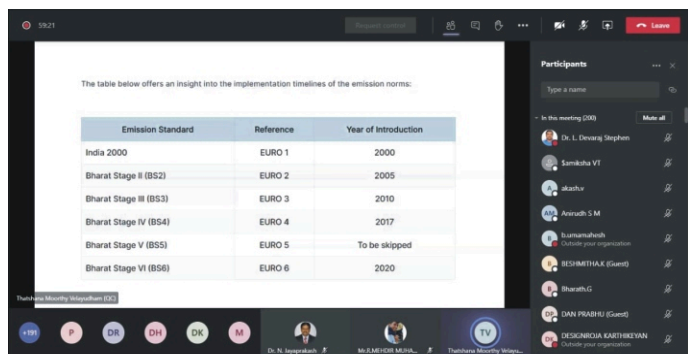
Dr.K.Thirupathi participated in an international webinar series ERUDITE 21, Season 4 on Leadership Mantras presented by Ms.Nita Patel (Sr. Director Engineering at L3Harries Technologies/Director IEEE Foundations) organized IEEE Society Women in Engineering Society by St Joseph's College of Engineering on 26th March 2021.

Mrs.R.Sasireka and Mrs.Ramya Rajan M.P participated in a QIP online course on 'Materials Characterization Techniques' from 22nd to 27th March 2021 organized by the Department of MEMS, IIT Indore.

Dr. S. Padmaja attended an international webinar on 'Innovative Research Ecosystem and publishing papers in high impact journals' jointly organized by Research and innovation centre and Rajarajeswari Institution innovation council of Rajarajeswari College of Engineering, Bangalore on 26th March 2021.

Department of Chemistry

The Department of Chemistry organized a Workshop on Chemistry towards Engineering on 22nd Jan 2021. One of the guests was Dr. V. Thatshanamoorthy, Senior Quality Control Specialist, Indian Additives Limited, Chennai, India. He spoke on the role of additives products in all kind of industries. Another expert lecture was given by Dr. S. Rajalakshmi, DST-Inspire Faculty, AU-KBC Research Centre, Anna University, Chennai. She also explained how chemistry is important in our day-to-day life. Around 210 members including students and the faculty members attended the workshop.



Workshop on Chemistry towards Engineering

Mr. V. Arivalagan, Dr. L. Devaraj Stephen, Dr. M. Soundarajan and Dr. S. G. Gunasekaran, published a paper titled 'Phenyl pendant carbazole end capped pyridine core imine skeletal based polybenzoxazine-nanosilica (nSiO₂/PBZ) hybrid nanocomposites', in the International Research Journal of Engineering and Technology, vol. 08, no. 1, pp. 2119-2127, Jan 2021.

In the 6th International Conference on Nanoscience and Nanotechnology (ICONN 2021) organized by SRM Institute of Science and Technology, during 01-03 Feb 2021, the Staff noted below presented papers.

Dr. S. G. Gunasekaran, presented a paper on 'Carbazole Terminal Phenylene Core Imine Skeletal Nanosilica Reinforced Polybenzoxazine (nSiO₂/PBZ) Hybrid Nanocomposites'

Ms. M. Meera, presented a paper 'Cardanol pendent thiophenyl end capped Imine skeletal MWCNT reinforced polyimide (MWCNT/PI) Nanocomposites from Cashew nut shell liquid (CNSL)'

Dr. P. Maheswari published a paper titled 'Application of statistical modeling for the production of highly pure rhamnolipids using magnetic biocatalysts: Evaluating its efficiency as a bioremediation agent' in the Journal of Hazardous Materials, 412, Feb 2021

Dr. N. Jayaprakash presented a paper in the 'International Virtual Conference on Advances Nanoscience and Nanotechnology (ICANN 2021)' organized by the Department of Chemistry, Bharath Institute of Higher Education and Research, Chennai, held during 5th & 6th Feb 2021.

Dr. N. Jayaprakash has been a resource person in a One-day National Webinar on Fundamentals of Chemistry and presented the topic 'Electrochemistry' organized by Department of Chemistry, Don Bosco College (Autonomous), Maram, held on 15th Feb 2021.

Dr. P. Maheswari and Dr. J. Krishnamurthi filed a patent in IPR on 'Design and Development of poly (ether-ether-sulfone)/Nano Silver/Polyvinyl pyrrolidone Antifouling Membranes' on 15th Feb 2021.

Dr. P. Maheswari and Dr. J. Krishnamurthi published a paper titled 'A review on separation of phenol pollutant in waste water by membrane separation process' in the International Journal of Innovative Research in Science, Engineering and Technology, vol. 10, Feb 2021,

Dr. P. Maheswari, Dr. S. G. Gunasekaran and Dr. L. Devaraj Stephen published a paper titled 'Removal of arsenic, nitrate and fluoride by PEES/Nano-Silver Hybrid Membranes, in the Research Journal of Chemistry and Environment, 2021, Feb 2021

Dr. N. Jayaprakash participated in a webinar on 'Effective Writing of Proposals for Research Grants' handled by Dr. M. Arockia Rajan/Professor, Department of Applied Mechanics, IIT Madras on 13th March 2021.

Dr. S. G. Gunasekaran, Dr. L. Devaraj Stephen, Mr. V. Arivalagan and Dr. M. Soundarajan published a paper titled 'Structurally Designed Imine Skeletal Pyrenyl Pendant Pyridine Core Polybenzoxazine nSiO₂/PBZ Hybrid Polymer Nanocomposites' in Asian Journal of Chemistry, vol. 33, no. 4, pp. 793-801, March 2021.

Dr. S. G. Gunasekaran completed successfully three modules and Dr. P. Maheswari also completed one module conducted by National Institute of Technical Teachers Training and Research (NITTTR) during March 2021.

Dr. L. Devaraj Stephen completed successfully a NPTEL Online Course titled 'Bioinorganic Chemistry' and got Elite Silver certificate during the Jan-Feb 2021.

Dr. L. Devaraj Stephen participated in the 'Virtual International Workshop on Energy Storage Technologies for E-Mobility (IWESTE-2021)' organized by Department of Chemistry, SRM Institute of Science and Technology, Kattankulathur, held during 25th & 27th March 2021.

Dr. L. Devaraj Stephen participated in a workshop on 'Illness to Wellness-Resurgence of Covid 19: Mutation and other factors', organized by Assocham, India, on 31st March 2021.

Department of Mathematics

Dr. S. Chitra, HOD/AP (SI. G) and Dr. T. Isaiyarasi /AP (SI. G) published a paper titled, 'Authenticated Key Agreement Protocol for HWSN', JAC: A Journal of Composition Theory Volume XIV, Issue II, Feb 2021 ISSN: 0731-6755 page 153-164.

Dr. S. Chitra, HOD/AP (SI. G) and Dr. T. Isaiyarasi /AP (SI. G) published a paper titled, 'The Study Of Energy Graphs With The Given Super Domination Number', JAC: A Journal Of Composition Theory Volume XIV, Issue III, March 2021 ISSN : 0731-6755, Page 7-13.

Dr. S. Chitra, HOD/AP (SI. G), Dr. T. Isaiyarasi /AP (SI. G) and Dr. V. Vijayalakshmi/AP (SI. G) participated in the webinar on Intellectual Property Rights & Patent Process organized by Vel Tech high Tech Dr. Rajendiran and Dr. Sakunthala Engineering College on 30th March 2021.

Dr. S. Chitra, HOD/AP (SI. G), attended a national webinar on 'Innovative Research Ecosystem and Publishing Papers in High Impact Journals' organized by Research and Innovation Centre and Raja Rajeswari Institution Innovation Council (RRIIC) of Raja Rajeswari College of Engineering, on 26th March 2021.

Dr. S. Chitra, HOD/AP (SI. G) attended a national webinar conducted by FICCI, SRM Valliammai Engineering College on 'You are the pillar of India's growth' on 29th March 2021.

Dr. T. Isaiyarasi /AP (SI. G) and Dr. V. Vijayalakshmi/AP (SI. G), participated on the webinar 'Effective Writing of Proposals for Research Grant' on 13th March 2021 organized by Mohamed Sathak Engineering College.

Dr. V. Vijayalakshmi/AP (SI. G), published a paper entitled 'SOT based Dynamic Garbage Management system' in 'Elementary Education online' Volume Issue 5, March 2021, pp 2207-2214.

Ms. V. Nagarani/AP (O. G) attended a two-day online national workshop on 'NET/SET IN Mathematical Sciences',

organized by Karmaveer Bhaurao Patil College, Vashi(Autonomous) Department of Mathematics, under the aegis of RUSA on 1st & 2nd March 2021.

Ms. V.Nagarani/AP (O.G), Ms. A. Karpagam/AP (O.G), Ms.B. Vasuki/ AP (O.G), Mr.N.Sundarakannan/AP (O.G) published 'Real Life Applications of Bayes Theorem', in A Journal of Composition Theory, ISSN 0731 6755, Volume XIV, Issue II, Feb 2021, 165-170.(UGC CARE GROUP OF JOURNAL).

Mrs. G.Sasikala/AP (O.G) defended her Ph.D thesis titled 'A Study on Intuitionistic Topological Spaces' on 15th Feb 2021 at Manonmaniam Sundaranar University, Tirunelveli.

The Mathematics Association 'EULER.COM' organized a Guest Lecture on the 'Applications of Statistics and Numerical

Methods' on 5th Feb 2021 for the II year Civil,EEE,EIE and Mech students. The Resource person was Dr.G.Arul Freeda Vinodhini, Assistant Professor (SG), Department of Mathematics, Saveetha School of Engineering SIMATS, Chennai. The lecture dealt with the basic concepts of Statistics and Numerical Methods and explained the various real time applications.

Mrs. B.Vasuki/AP (O.G), presented a paper on 'Face Antimagic labeling for double duplication of crown related graphs' in the international conference on Mathematics Techniques and Applications (e- ICMTA-2021) on 26th March 2021 organized by SRM Institute of Science and Technology, Kattankulathur.

Tamil Mandram

K.Sankar Babu, Dept of ECE First year, won the First Prize in the State Level Speech Competition organized by the Tamil nadu State Career Guidance centre on 12th Jan 2021 on the National youth day.

AICTE sanctioned the Rs. 1 lakh the scheme promoting interests, creativity and ethics among students for Tamil mandram and Tamil computing activities.

Abdul Kalam Vision India movement organized a Online Republic day pattimandram on 26th Jan 2021 on the topic (ஒரு நாட்டின் வளர்ச்சிக்கு முக்கியம் விஞ்ஞானமா? அரசியலா?) Director, I am an IAS academy Mr.Tamiliyalan was the judge for this debate. Mr.K.Shanmugam,AP/CSE, and K.Sankarbabu/ECE participated in the programme.

Mr. K.Sankar babu ,IIIrd year ECE received the award (தாய்மொழிச்செம்மல் விருது) for his Tamil talent and exemplary skills by Perunthamil Illakkiya Sangamam (பெருந்தமிழ் இலக்கிய சங்கமம்) on 31st Jan 2021 and he received the award from Mr.M.R. Vijaya baskar, Transport minister, Tamilnadu Govt.

Our college Paarivendhar Student's Tamil association conducted various Tamil competitions like Speech, Poetry and Pattimandram competition for college students on 18.02.21,20.02.2021 and 21.02.2021 for World language day. The Tamil Mandram students participated in all the competitions. The prizes winners are as following.

Speech competition:

- P.Deepika, II year/Agri - First prize
- Pooja Rao, II year/IT- Second prize
- Sharmila, II year/IT-Third prize

Poetry Competition:

- T.P.AAgaya Imayavarman, IV year/EEE - First prize
- V.Liviya, I year/Medical Electronics - Second prize
- Gokul Raj, I year/Agri - Third prize



Pattimandram

- G.Gokula krishnan, I year/ECE - First prize
- K.Abinaya sundari, II year/Agri - Second prize
- Samuval jeyaraj, II year/CSE - Third prize

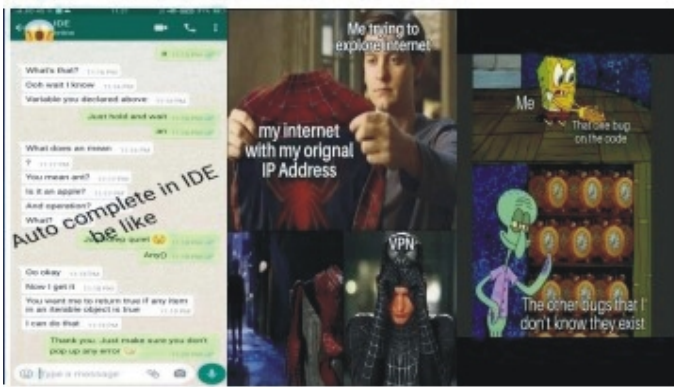
Mr. K.Shanmugam , AP,CSE was invited as the guest in the programme 'A Real Hero' on 21st Feb 2021 organized by Abdul kalam India Movement for his talent and exemplary skills.

Mr. K.Shanmugam , AP,CSE delivered a special address entitled 'Tamil Computing using Python' on 13th March 2021 organized by SRM Institute of Science and Technology, Vadapalani campus by online mode.

Different Tamil activities such as Speech Competitions, Poetry Competitions, and Debate Competitions were conducted by our College Paarivendar Students' Tamil Association every Thursday for developing the Tamil language skills of the students. A speech competition on the title 'avoid plastic usage' was conducted on 30th March 2021.



COMPUTER SOCIETY OF INDIA

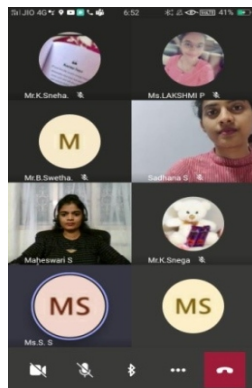


The SRM Valliammai Engineering College Computer Society of India Student Branch organized a competition 'Master Minds'. There were around 20 students who participated and the registration was open till 27th Jan 2021. The creativity and innovative ideas of the students were showcased in this technical meme contest. The memes submitted were evaluated based on creativity, humour, uniqueness and originality. The best top 5 creative images were selected and posted in SRMVEC CSISB instagram page. Gokul S, Jagadish Dhanraj Tideke, Muthamizh Selvan J, Harini C, Balasubramanian Kalyan won the first five places in the contest.

Computer Society of India Student Branch, SRM Valliammai Engineering College organized QUITUDE - 2021 Aptitude contest on 27th Feb 2021. More than 80 candidates participated. The contest was a timed online test that tested the candidates' aptitude and logical reasoning skill. The top performers were Sri Priya K, Sairam Institute Of Technology, Devi Shree M, Sairam Institute Of Technology, K.Snega - SRM Valliammai Engineering College, Roopesh Kumar.G - Adhiparasakthi Engineering college, Harishankaran B - SRM Valliammai Engineering college. The top performers were awarded with certificates of merit.



Computer Society of India Student Branch, SRM Valliammai Engineering College organized a Women's day special webinar 'Women in Working World' on 8th March 2021. More than 35 candidates attended the webinar. The speakers were Miss. Maheshwari Mohan, Senior Technical Associate, Maveric Systems and Miss. Sadhana Sundar, Senior Technical Associate, Maveric System. The candidates got to know about the hardships faced by the women at workplace and also suggested tips to overcome those problems. The students got the opportunity to speak out their opinions and ideas about women in workplace.



CSI student branch of SRM Valliammai Engineering College organized a competition titled 'Motion Graphics'. More than 25 students registered for the same. The registration was open till 19th March 2021. In this contest, students were asked to create animated videos related to topics like 'Robotics', 'Artificial Intelligence', 'Social Media and you', 'Wi-fi' and 'Environmental protection'. The creativity and innovative ideas of the students were showcased. The first five places were won by Zynab. M Sri Sairam Engineering College, Ayswariya. S- SRM Valliammai Engineering College, Bijjam Srilekha Panimalar Institute of Technology, Thomas. A Loyola College, Dharini. P- St. Joseph's College of Engineering.



CSI student branch of SRM Valliammai Engineering College organized a competition 'ADAGE-A-THON'. About 31 students participated. The registration was open till 26th March 2021 and the event was held on 28th March 2021. The creativity and innovative ideas of the students were showcased. The first five places was won by Utkarsh Girdhari Saboo SRM Kattankulathur University, Ayaan Gouse- SRM Valliammai Engineering College, Anto Joel V Francis Xavier Engineering College, Sai Sunitha G SRM Valliammai Engineering College, Sivaram Narayan- Sahrdaya College of Engineering and Technology.



Department of Placement & Career Guidance

23 companies conducted their campus drive and totally 135 students were placed between January to March 2021.

Placement Training Programme (Even Semester) was conducted for 2nd & 3rd year students. On 06.02.2021 & 13.02.2021 (Aptitude) and 27.02.2021 & 06.03.2021 (Soft skills) was conducted for 2nd year students. On 13.03.2021 & 20.03.2021 (Aptitude) and 03.04.2021 & 10.04.2021 (Soft skill) was conducted for 3rd year students.