



SRM Valliammai Engineering College

(An Autonomous Institution)

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VEG NEWS

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April - June 2020

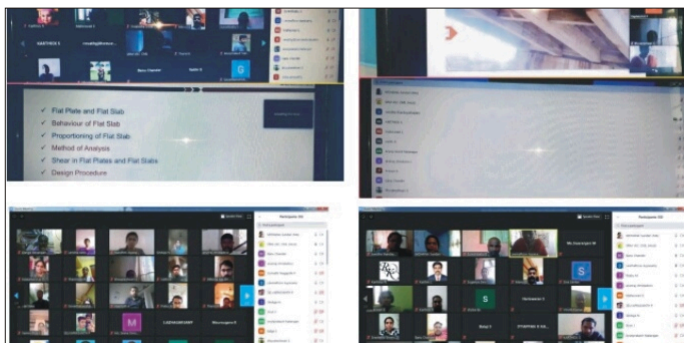
[Quarterly]

Tamil Mandram

In the event of Bibliography Review Forum, Dr.K.Nalini Priya, Professor, Department of IT, Saveetha Engineering College shared the information about the book titled "Valai Vasal Varuga" written by our Principal Dr.B.Chidhambara Rajan and Mr.K.Shanmugam AP/CSE on 05.05.2020. It was organized by Dr. Tamiliyalan, Director, I am an IAS academy. The felicitation address of the book was given by Dr.Rathina Pugaleanthi. The introduction of the book was given by Mr.K.Shanmugam, AP/CSE,SRM VEC. A total of 62 participants (one from London) participated in this webinar event.

A sum of Rs.25,000/- was granted to our college by Tamil Nadu Government, Tamil Virtual Academy for Tamil Computing activities.

Department of Civil Engineering



FDP on 'Foundation Engineering, Fluid Mechanics & Structural Design for Civil Engineers

The Department of Civil Engineering, in association with the Institution of Engineers(I) and Indian Society for Technical Education organized a five day online Faculty Development Programme (FDP) 'Foundation Engineering, Fluid Mechanics and Structural Design for Civil Engineers from 11.05.2020 to 15.05.2020. Around 70 participants attended the online Faculty Development Programme from various Institutions all over India.

The Department of Civil Engineering conducted a talent hunt programme 'Skillerz 20' for 12th and Polytechnic students. Various events like quiz, memes, video making, aspirant building and 'Speak through Art' were conducted. Around 78 students participated and E-certificates were distributed.

Dr.D.Elango, Head of the Department, Department of Civil Engineering presented a Webinar titled 'Production of Methane Gas from Municipal Solid Waste Management and Domestic waste water' in Jerusalem College of Engineering on 05.06.2020.

Dr.D.Elango, Head of the Department presented a Webinar titled 'Municipal Solid Waste Management' organized by Panimalar Engineering College on 26-05-2020.

கூட்டம் 30 | 05.05.2020 | செவ்வாய் மாலை 4.30 மணி (IST)

200ம் செயலி மூலமாக கலந்துகொள்ளுங்கள்

Meeting ID: 477-589-4897

முதல் திறனாய்வு 10 அளவைகள்

திறனாய்வு நூல்

வலை வாசல் வகுப்பு

திறனாய்வு: முனைவர் க.நலினி பிரியா, பேராசிரியர், சவுதேவா கல்வி நிறுவனம்

திறனாய்வு: முனைவர் டாக்டர் சிவசுப்பிரமணியன், முனைவர் டாக்டர் சிவசுப்பிரமணியன், முனைவர் டாக்டர் சிவசுப்பிரமணியன்

திரு.க.சண்முகம் தலைவர், முனைவர் டாக்டர் சிவசுப்பிரமணியன், முனைவர் டாக்டர் சிவசுப்பிரமணியன்

ஒரு நிமிட பங்கேற்று பங்கேற்பாளர்கள் 'சிறுவியல் தர்ப்பு' என்ற தலைப்பில் கவிதை வழங்கலாம்

ஒழுங்கிடுகையுள்
கவிதைத் தர்ப்பு: 9443019087
கவிதைத் தர்ப்பு: 9444852295
கவிதைத் தர்ப்பு: 9578388100

From April to June, all the faculty members actively participated in many Webinars, FDP, Quiz and Conferences. 25 faculty members participated in 811 Webinars, 48 FDP, 66 Quizzes, 7 Conferences, 7 Workshops, 2 Training Programmes and 4 Expert talks.

Department of Computer Science & Engineering

Dr.B.Muthusenthil/Asso.Prof, Hyunsung Kim & V.B.Surya Prasath(U.G Student) published a paper on 'Location verification technique for cluster' in the International Journal of Informatics(SCI).

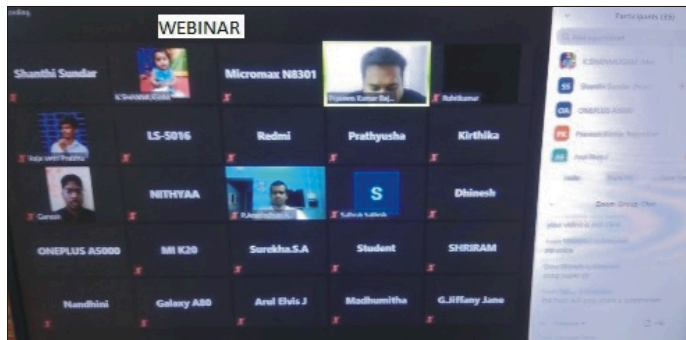
Dr. B. Muthusenthil/Asso.Prof, Venkat Mughesh.S, Thansh. D(U.G Students) published a paper on 'Predictive Analysis Tool for Predicting Student Performance and Placement Performance using ML algorithms' in the International Journal of Advance Research and Innovative Ideas in Education.

Ms.C.Pabitha A.P and Dr.B.Vanathi, Head of the Department, published a paper on 'Categorizing Exterior Damage in Car Using Deep Learning Techniques' in the Mattingley Co., Inc. (SCOPUS)

Mr.Leo Bright Tenisson, AP, Subash.V, Thivstan Vishal J, Sri Vyaas, Sanju(UG Students) published a paper on 'E-Diary Assistant' in the International Journal of Advance Research and Innovative Ideas in Education(IJARIIE).

Mr.Leo Bright Tenisson, AP published a paper on 'Expert System Design for Offline Handwritten Character Recognition Using Bayesian Neural Network' in the Mattingley Co., Inc.(SCOPUS).

A webinar was conducted on 'Excelling in Engineering CSE and Cyber Security' on 30th May 2020. The Chief Guest Mr.Praveenkumar Rajendran, Senior Automation Consultant, Cognizant Technology solutions (CTS), Chennai introduced and emphasised the role of Computer science Engineers, Industry needs and expectation.



Webinar on 'Excelling in Engineering CSE and Cyber Security'

A Web Designing Contest was conducted in association with SRM VEC Computer Society of India Student Branch on 12.06.2020. 130 students registered and 35 students submitted their ideas on the topic Covid-19 Post Lock-Down Strategies, Social Distance Monitoring, Mental Health Assistance. Top 15 designs were selected and they were presented through MicroSoft Teams on 15.06.2020. Top 3 designs were selected for the first prize - Chandru.J, SRM

Valliammai Engineering, secured the first place. Yamini.G SRM Valliammai Engineering College, secured the second place and Maithri,S.S, St.Joseph Institute of Technology, secured the third place and they were recognized for their achievement.

A Staff Development Training Programme was conducted on 'CORELDRAW on 17th June 2020.



SDP on CORELDRAW

A Faculty Development Programme was conducted on 'Fundamentals of Digital, Computation and cryptography(Online Mode)' from 11th May to 15th May 2020.

The faculty members invested quality time and attended 61 webinars, 11 FDPs, 3 workshops, 5 Training programmes, 1 online quiz and 1 online course.

Computer Society of India (CSI)

The SRMVEC CSI Student Branch organized a Webinar on 28th of April, 2020 from 10.00 am to 11.30am. The webinar was about 'Personal Branding and Etiquettes'. Nearly 70 students registered and were benefitted. The speaker was Ms. K. Srividhya, CEO, Mathy Consultants. The Event was coordinated by Dr.M.Senthil Kumar, Asso. Prof./CSE. The students got to know about creative communication, emotional intelligence, SWOT analysis, presentation and negotiation. The students got the opportunity to clear their doubts based on personal branding and etiquette and it was a very interactive session.

The Computer Society of India Student Branch of SRM Valliammai Engineering College in association with Computer Society of India, Kancheepuram Chapter organized a Webinar on 2nd of May, 2020 from 6.00 pm to 7.30pm. The webinar was about "Machine Learning & Deep Learning - A Project Approach". More than 50 students registered and were benefitted. The speaker was Mr. Sumod Sundar, Machine Learning Trainer, Additional Skill Acquisition Programme. He has 3+ years of research and 4+ years of academic experience in the field of Machine Learning. He has trained more than 400 professionals, employees, students in Machine Learning. The students got to know about Machine Learning, Supervised Unsupervised Reinforcement, platforms for Machine Learning, SVM basic theory, Clustering, Regression and Deep Learning. The students had the privilege of basic hands on training. The students got the opportunity to clear their doubts based on Machine Learning & Deep Learning. The Event was coordinated by Dr.M.Senthil Kumar, Asso. Prof./CSE.

The Computer Society of India Student Branch of SRM Valliammai Engineering College in association with Computer Society of India, Kancheepuram chapter organized a Webinar on 16th May, 2020 from 6.00 pm to 7.30pm. The webinar was about 'Data Analytics'. More than 65 candidates registered and were benefitted. The speaker was Ms.K.Srividhya, CEO, Mathy Consultants. She is a soft skill and technical trainer with 8 years of experience. The candidates got to know about Data Analysis using excel. The candidates had basic hands on training. The students got the opportunity to clear the doubts based on Data Analytics. The Event was coordinated by Dr.M.Senthil Kumar, Asso. Prof./CSE.

The Computer Society of India Student Branch of SRM Valliammai Engineering College organized a One week online course on Basic Programming Skills for Engineering Beginners from 1st June, 2020 to 7th June, 2020 from 10.00 am to 12.00pm. More than 100 school students registered and were benefitted. It was an interactive class on MS Teams platform. The first session was on 1st June, 2020, it was handled by Mr.S.K.Saravanan, A.P., HOD i/c, Department of General Engineering. He gave a clear introduction to basic programming. The second session was on 2nd June, 2020 which was handled by Dr. D. Sridevi, A.P., Department of General Engineering who gave a clear insight on C programming. The third session was on 3rd June, 2020, it was handled by Dr. B. Muthu Senthil, Asso. Prof., Department of CSE. The students were briefed about OOPs Concepts and its applications in engineering. Session 4 was on 4th June, 2020 wherein students enjoyed the visualization of data using python by Ms.S.Shenbagavadivu, A.P., Department of IT.

Session 5 was on 5th June, 2020 where a brief comparative study between C, C++, Java and Python was done by Ms. K. Devi, A.P., Department of CSE. Session 6 was on 6th June, 2020 and was handled by Ms.S.Shanthi, A.P., Department of CSE. She conducted interesting activities and posed questions to the students. The 7th session was on 7th June, 2020. During this session, a test for 50 marks was conducted by Dr. M. Senthil Kumar, Asso. Prof., Department of CSE.

SRM Valliammai Engineering College Computer Society of India Student Branch conducted a web designing contest. 15 students participated in the contest. The poster designs were based on 'Sustainable Future Digital India', 'Cyber Crime and Security', 'Digital India', E-school and E-governance and OS World. The posters were posted on "SRM VEC CSI SB" instagram page. Top 3 posters were selected with respect to the number of likes the posters received during the stipulated time. Merline Shelsia secured the first place for her design on 'Cyber Crime and Security'. B.Dhivya secured second place for her design on 'Sustainable future digital India'. Hariharan K got third place for his design on 'Cyber Crime and Security'. Cash prizes were awarded to these students for their achievement. The event was coordinated by Dr.M.Senthil Kumar, Asso. Prof./CSE.

LENSATION

Lensation conducted an Instagram live session on Food Photography on 8th April 2020. The Guest Mr. Ashwin, well-known Chennai-based food photographer, an expert in food styling & photography. It was an interactive live in which the participants got an opportunity to learn the fundamentals and techniques involved in food photography.

Lensation conducted a series of photography sessions for students to make the quarantine meaningful.

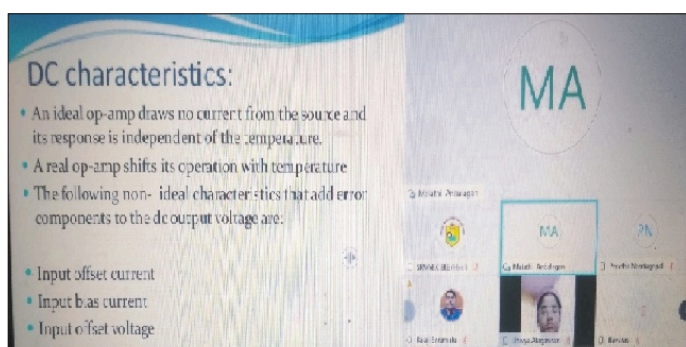
Macro Photography session was held for students on 7th May 2020. The session was conducted by Mr. Sasikumar, a well-known Tamil Nadu-based macro photographer, who has expert knowledge in shooting macro in smartphones. His works have been featured in the official page of NATGEO. He gave a brief explanation about different mobile lenses and live demo.

A Wedding Photography session was held on 15th June 2020 by Ms. Sowmya Mense (@sowmya photography, Bangalore-based wedding photographer). She gave a brief explanation on recent trends in wedding photography and its scope. It was an interactive live session.

Aerial Photography session by Mr. Mahesh (@soulandfuel) on 20th June 2020. He is a well-known Kerala-based aerial photographer who has expert knowledge in movie making and drone photography. His works have been featured in the official page of Kerala tourism. He explained the fundamentals and techniques in aerial photography and about drone working.

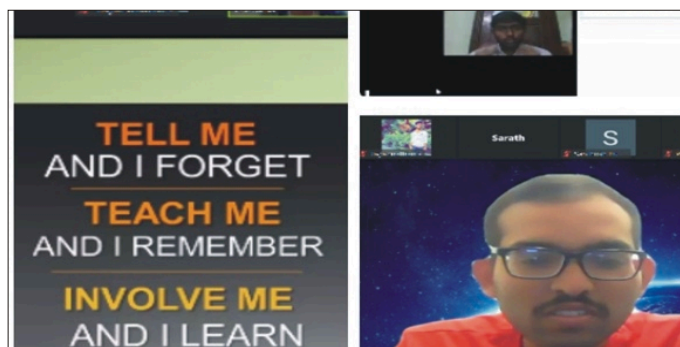
Department of Electrical & Electronics Engineering

The Department conducted a six-day Faculty Development Programme on the topics 'Analog Electronics', 'Microprocessors & Microcontrollers' and 'Renewable Energy Systems' from 11th May 2020 to 16th May 2020 through Cisco-Webex online platform for the faculties.



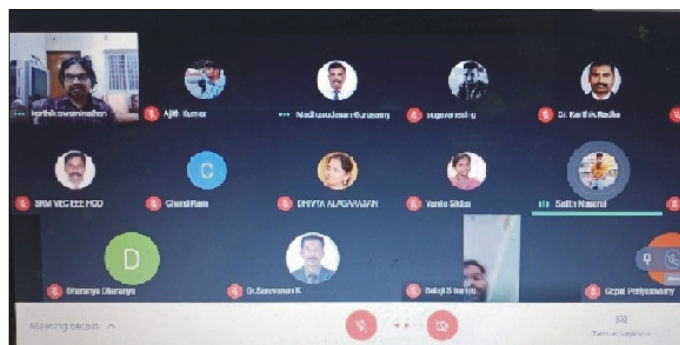
FDP on the 'Analog Electronics', 'Microprocessors & Microcontrollers' and 'Renewable Energy Systems'

The department conducted a webinar on 'Four Years of Fruitful Learning of Engineering' for the benefit of school students of classes 11th and 12th grades on 6th June 2020 on ZOOM platform. The sessions were handled by three alumni: Ms. V. Jeevana, LIBA intern - Maveric Systems, Mr. Uthavanatha Sarath Santhar, Application Development Associate, Accenture and Mr. Arun Abhishek Imayakumar who has completed his Masters degree from Washington State University, Pullman, USA and working as a Research assistant.



Webinar on 'Four Years of Fruitful Learning of Engineering'

The Department organized a webinar titled 'Steps to Success' on 12th June 2020 through Google Meet for the students of 11th and 12th grade of various schools for their benefit. Mr. Karthikeyan Swaminathan, Certified English Language Trainer, Karthik IELTS & PTE Training Academy, Chennai was the Resource Person.



Webinar on 'Steps to Success'

The Department conducted a one-day Staff Development Programme on the topic 'Electrical Hazards and Safety Measures' on 18th June 2020. Ms. A. Dhivya, A.P (O.G), EEE department handled the session.



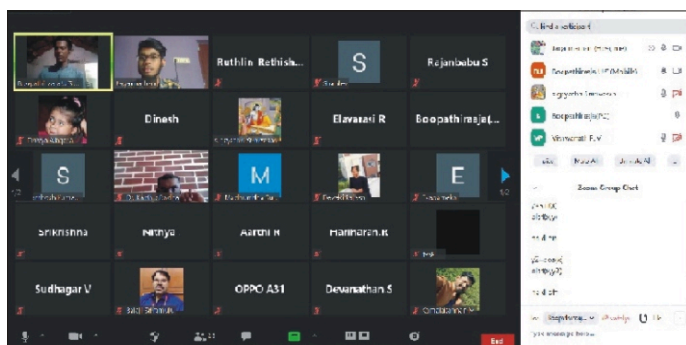
SDP on 'Electrical Hazards and Safety Measures'

The Department organized a Digital Alumni Reunion Programme on 20th June 2020 through Google Meet for the alumni of EEE department. Mr. Sampath Kumar Loganathan, Project Manager, IT Sector, Chennai was invited as the guest of honour to deliver the expert talk on 'Recent Trends in IT'.

Dr. S. Malathi, AP(Sel.G) and Dr. K. Elango, Professor & Head published a paper on 'Implementation of dead beat controller using Particle Swarm Optimization for software defined network', Computer Communications, Elsevier, Science Direct, Vol.155, pp.235-243, 1 April 2020.

The Department organized an Online Workshop 'Hands-on Training on MATLAB' through Zoom platform to HSC and Polytechnic students on 22nd June 2020. P. Jagannathan

and U.S. Boopathiraja, Pre-Final year students handled the sessions.



Online Workshop 'Hands-on Training on MATLAB'

Dr. K.Elango, Head Department of EEE, R. Rajesh, and S.Rajanbabu, AP(Sel.G) published a paper on 'Optimum Location and Sizing of DG with Network Reconfiguration in Distribution System', International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol. 9, No.6, April 2020, pp. 195-200, ISSN: 22783075 (Online).

S.Karthick Narayanan, R.Mithran, S.S.Kousalya, S.Rajesh Kumar and .Mr.S.Rajan Babu, AP(Sel.G) published a paper on 'Designing of 1 Phase 5KVA Servo Stabilizer with Isolation Transformer', International Research Journal of Engineering and Technology (IRJET) Volume: 07 Issue: 04, Apr 2020.

Dr.S.Malathi,AP(Sel.G) and Ms.R.V.Preetha,AP(O.G) published a paper on 'Microcontroller based Interleaved DC-DC Boost Converter Fed Current Source Inverter for Foot-Step Power Generation', National Conference on Computational Intelligence in Electrical and Electronics Engineering organized by Department of Electrical and Electronics Engineering, Sathyabama Institute of Science and Technology on 18th and 19th May 2020.

The Faculty members of the Department attended 36 Webinars, 29 FDPs, 3 Workshops, 4 Online Quizzes, 2 Short term courses and 1 Seminar.

Microsoft Authorized Testing Center

SRM Valliammai Engineering College has been authorized as a certified testing center for Microsoft Technical Certification, MTC Exams, MCE Exams, Autodesk certified course exams. Courses related to Entrepreneurship and Communication Skills are also included. Entrepreneurship Communication Skills and EC Council associate. The Institution is Eligible to conduct Globally certified exams for students and public. Certification will be issued by the respective DEM Company.

Webinar

SRM Valliammai Engineering College in association with Tamilnadu State Council organized an exclusive webinar 'Evolution of Global Transport Refrigeration Industry & Career Prospects for Students' on 23 Jun 2020 between 11.30am and 12.45pm. The resource person was Mr. Pankaj Mehta, Managing Director, Carrier Transcold, India & South Asia.

NPTEL

Ms. S. Shenbagavadivu, Assistant Professor (S.G), Department of Information Technology was selected as a finalist in the 'Why NPTEL?' contest and participated in the Live webinar hosted by the NPTEL and won a certificate. She discussed her ideas for the refinement of existing NPTEL offerings.

NPTEL is offering 416 online courses which will start from 20.07.2020 (4, 8 and 12 week courses).

Department of Electronics & Communication Engg.

A Five day Faculty Development Programme was conducted during COVID-19 Lockdown period titled 'Embedded Control System & Communication Networks' for all faculty members in Google Meet Video Platform. 83 internal and external participants participated and gained knowledge through this course which was held during 11.05.2020 to 15.05.2020. Dr. N. Usha Bhanu, Prof, Dr.G.Udhayakumar, Asso Prof, Mr. C. Saravanakumar, AP, Ms.K.Sobana, AP and Mr. A. Anbarasan, AP delivered lectures on different aspects in Circuits Analysis both Time & Frequency Domain, Embedded Real Time Systems and Communication Networks. Mr. A. Pandian, AP and Mr.M.Selvaraj, AP coordinated the programme.

A one day Skill Development Programme was conducted for non-teaching staff members of all the departments on the topic '5S (Sort, Set, Shine, Standardize, Sustain) - WorkPlace Management System' to enhance their workplace utilization skills on 05.06.2020. Mr. A. Pandian, AP, ECE delivered the lecture to improve and maintain the workplace tidily implementing 5S methods. It makes the workplace cleaner, safer, well-organized and more pleasant. Quick solutions for Floor space utilization, Systematic workflow, Reducing time for searching tools, materials and documents were offered during this session. This programme was coordinated by Mr.C. Satheeswaran, AP, ECE.

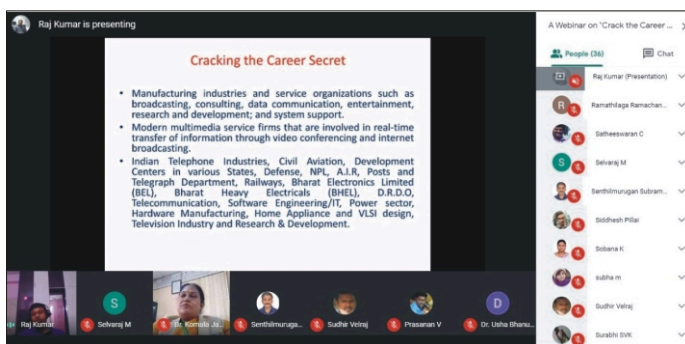


SDP on '5S (Sort, Set, Shine, Standardize, Sustain) - WorkPlace Management System'

Dept of ECE conducted an Online Quiz Programme for Twelfth Standard School students to refresh their knowledge to shine in their higher Studies from 24th May 2020 to 15th June 2020. Totally 78 students participated in the programme and were benefited. This Online Quiz Programme was coordinated by Mr. C. Saravanakumar, AP, ECE, Ms.S.R.Preethi, AP, ECE, Mr. M. Selvaraj, AP, ECE, and Mr.V.Prasanan, AP, ECE.

Dept of ECE conducted a webinar on 'Higher Degree Education' for the final and third year students in association with ISTE & IETE Students Forum on 15.06.2020. The speaker Dr. Siva Ganapathy Subramanian M, Senior Director, Global Head Data- Google Business Unit, HCL Technologies UK Limited gave a detailed illustrated lecture on the importance of higher degree education like master and doctorate degree and its values in the core industries as well as public sector jobs, he pointed out the significant role of research work and its implementation on the new product. He spoke on the topics - why higher education is needed, how to select a course, trending courses in the current scenario and its benefits and the students clarified the doubts put forth by the students about higher education. This webinar was coordinated by Dr.C.Amali, AP, ECE and Dr.N.Subhashini, AP,ECE

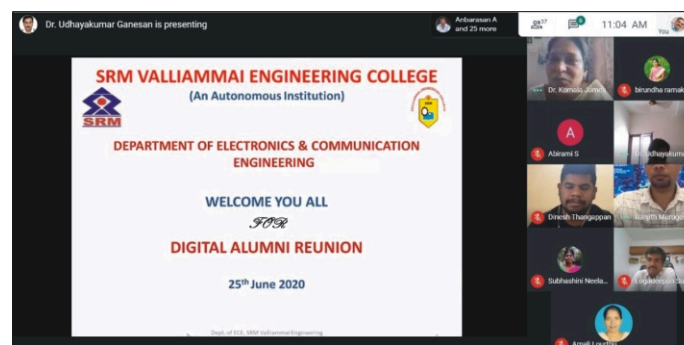
Dept of ECE conducted a webinar on 'Crack the Career Secret' for the Higher Secondary School students on 17.06.2020. The speaker Dr. Rajesh Kumar V R S, Director, Eishaa Networks & CEO, Big Elogic Technologies, Chennai delivered a lecture on the scope of Electronics and Communication Engineering course in the future and Popular areas in ECE like Internet of Things, Robotics, Embedded Systems, VLSI, Networking, 4G & 5G Communication, Data Science, Machine learning, Deep Learning and Artificial Intelligence. The completion of degrees leads them to become one of the best Engineers in the society as mentioned here like software analyst, Technical director, Service, Field test, senior sales, Network planning, Customer support Engineers. He highlighted a few best options to pursue after engineering like higher studies, Public service undertakings, Entrepreneurship and Civil Services. This webinar was coordinated by Dr. N. Usha Bhanu, Asso Prof, ECE and Mr. C. Saravanakumar, AP, ECE, Mr.V.Prasanan, AP,ECE.



Webinar on 'Crack the Career Secret'

Dept of ECE conducted a 'Digital Alumni Reunion' for the alumnus who have studied during the period 2005-2019 on 25.06.2020. The welcome address was given by Dr.Komala James, Prof & Head and brief introduction of ECE Dept was given by Dr. G. Udayakumar, Asso Prof about funded projects like MODROB, FIST, TNSCST and events like symposium, seminar, Guest lecture, Project Expo, Webinar, etc. The Alumni speaker Mr. Logadeepan Subramanian, Alumni (2006 batch), founder & CEO - KML Sensors India's First Laser Sensor Company, Chennai presented some important views on Future of work: Challenges and

opportunities of Post Covid 19. Mr. J. Anand, Alumni (2009 batch), Senior Test Engineer, Qualcomm, Singapore delivered a brief presentation on Impact of Covid -19 and on Semiconductor Industry and challenges in Post Covid 19. Mr.Ranjith Murugesan, Alumni (2011 batch), Senior System Design Engineer, Western Digital, California interacted with other alumnus and gave some inputs and job opportunities in the electronics core industries. Mr.C.Sasikaran and Mr.S.Mullaivendan, Alumnus shared their valuable experience with the other alumni and staff members. This webinar was coordinated by Dr. G. Udhaya Kumar, Asso Prof., ECE and Mrs. S. Abirami, AP,ECE



'Digital Alumni Reunion'

Dr. S. Ramesh, Asso. Prof was the resource person for a lecture on 'Antenna Applications & Microwave Design' in the online Faculty Development Programme organized by Sri Sairam Institute of Technology, Chennai held on 15.06.2020 and he chaired the session in the International Conference ICRTECC'20 conducted by Saveetha University, Chennai on 15.06.2020 & 16.06.2020.

Dr. N. Subhashini/ Asst. Prof was the resource person and delivered a lecture 'Adhoc and Wireless Sensor Networks' in the online Faculty Development Programme held on 22.06.2020 organized by Sri Sairam Institute of Technology, Chennai.

Mrs. S. R. Preethi, Asst. Prof was the resource person for a webinar and delivered a lecture on 'A Glimpse about the Internet of Things and Artificial Intelligence' held on 19.06.2020 organized by Idhaya Engineering College for women, Chinnasalem.

Dr. Komala James, Prof published a paper on the 'Heterogeneous Networks in 5G using Joint Path Selection and Rate Allocation Framework' in the International Journal of Recent Technology and Engineering, Vol.9, Issue1, pp.509-512 in May 2020.

Dr. S. Ramesh, Asso Prof published papers on different titles in the International Conference on Computer Communication and Power Systems in May 2020

- An analysis on Hybrid Beam forming for 5G Wireless Communications
- Compact Fractal wearable Antenna with Defected Ground Structure for Wireless Body Area Communications
- Hexagonal Micro strip Patch Antenna For Early Stage Skin Cancer Identification

■ Compact Ultra-Wideband Monopole Antenna For 5G Wireless Communications

Dr. S. Ramesh/Asso Prof published a paper on the 'Hexagonal Microstrip Patch Antenna for Early Stage Skin Cancer Identification' in the International Journal of Telecommunications and Radio Engineering in June 2020.

Dr. J. Mohan/ Asso. Prof published a paper on the 'A Novel Method for the Compression of Gigapixel Image Using CORDIC Algorithm' in the International Journal of Advanced Science and Technology Vol. 29, No. 5 in May 2020.

Dr. S. C. Prasanna/AP and Mr. V. Suresh Kumar/AP published a paper on "IoT based Outdoor Air Pollution Monitoring System Using Dynamically Relocatable Sensor Nodes" in TEST Engineering and Management, vol. 83, pp. 18247-18253, in April 2020, Scopus Indexed.

The Department of ECE faculty members participated in 502 online programmes such as 346 Webinars, 45 FDPs, 15 Workshops, 88 Quizzes and 8 publications which were conducted by SWAYAM-NPTEL, AICTE, NITTT, IIT(s) and reputed Organizations & Institutions in India to improve the quality teaching and learning skills for long-term development, continual improvement and students support during Covid-19 Lockdown period April to June 2020.

SPORTS

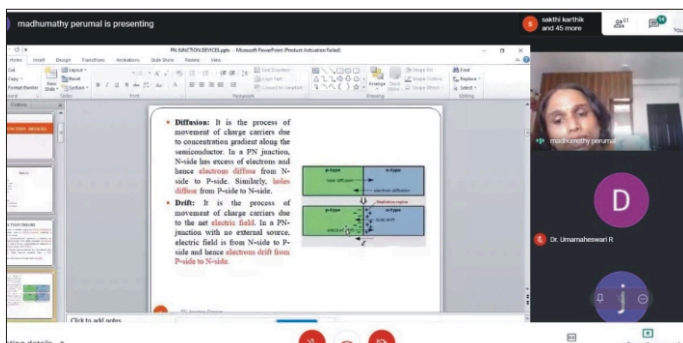
Dr.N.Ganapathy, Director of Physical Education, SRM VEC published a research paper in Scopus Indexed International Journal titled 'Effect of Yogic Practice on Resting Pulse Rate among College Men Long Distance Runners' in Indian Journal of Public Health Research & Development, Volume 11, Number 6, June 2020.

Dr.N.Ganapathy, Director of Physical Education participated in an International Level Faculty Development Programme (online) and Four National Level webinars.

Department of Electronics & Instrumentation Engg.

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

A Faculty Development Programme on 'Electron Devices and Circuits, Microprocessors & Microcontrollers, Digital Image Processing was organized from 11th to 15th May 2020.



FDP on 'Electron Devices and Circuits, Microprocessors & Microcontrollers, Digital Image Processing

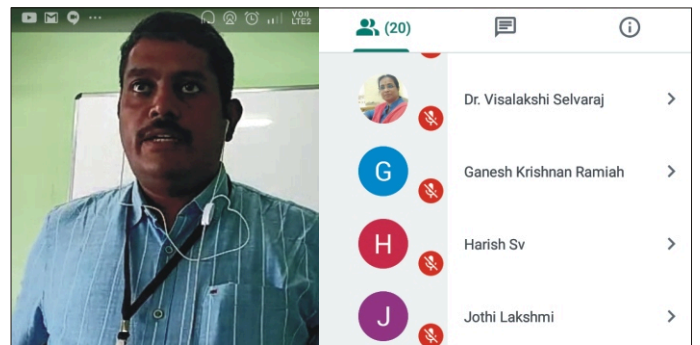
A Webinar on 'Nature Vs Technology' was delivered by Mr. M. Rajesh, Professor, Department of Zoology, The American College, Madurai on 14th May 2020.

A Staff Development Programme on 'Calibration of Instruments' was delivered by Mr. G. Shiva AP/EIE and Mr. B. Parameswaran, AP, EIE on 4th June 2020.



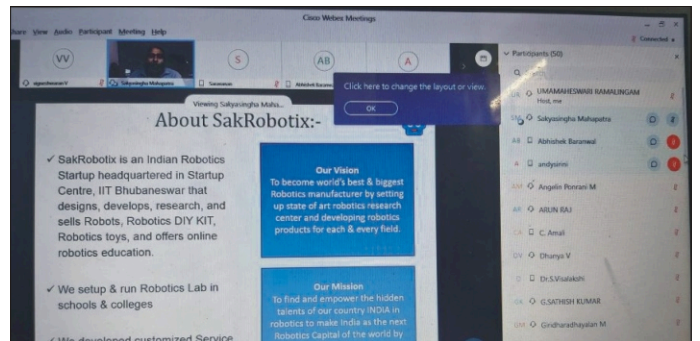
SDP on 'Calibration of Instruments'

A Webinar on 'Preparing Students for Life After School: 'Strategies and Tools to make Engineering courses Choices' was delivered by Mr. A. Prakasam, Junior Telecom officer, BSNL, Southern Telecom Region, Salem on 3rd June 2020.



Webinar on 'Preparing Students for Life After School: 'Strategies and Tools to make Engineering courses Choices'

A Webinar on 'Robotics & its future' was delivered by Mr.Sakyasingha Mahapatra, Managing director, SakRobotix Lab Pvt. Ltd, Startup Unit, IIT, Bhubaneswar on 29.06. 2020.



Webinar on 'Robotics & its future'

A Digital Alumni Reunion was organised on 6th June 2020. Mr.Rajesh Chitharanjan, Vice-President of Engineering, MENA Region, Publicis Sapient, United Arab

EDITORIAL

The Chief Editor : **Dr. B. Chidhambara Rajan**, Principal, VEC
 Editors : **Dr. M. Murugan**, Vice Principal, VEC
Ms. M. Chitra, Asst. Prof.(Sr.G), Head, Dept. of English
Ms. M. Arthi, Asst. Prof.(Sr.G), Dept. of English
 Layout & Design : **Mr. T. Elavarasu**, Placement Executive

Emirates delivered a talk on challenges and opportunities in digital transformation.

Dr. R.Umamaheswari, AP, Ms.M.Ramya Princess, AP and Mr. P.Nirmal Kumar, AP published a paper on 'Improved Whale Optimized MLP Neural Network-Based Learning Mechanism for Multiuser Detection in MIMO Communication System' in Journal of Circuits, Systems and Computers, doi: 10.1142/S0218126620502394, on 25 February 2020.

The Faculty members and Non-Teaching staffs of the Department attended 27 FDPs, 6 Workshops, 42 webinars, 15 online courses, 5 Quiz Competitions and 1 SDP.

STUDENT AFFAIRS CELL



The Student Affairs Cell of SRM Valliammai Engineering College in association with Isha Yoga foundation organized a Webinar on Yoga for Health on 27.05.2020 between 5 P.M to 6.15 P.M. The resource persons were trained Isha Classical Hatha yoga instructor Mr.Agnika, Contact Member and Ms. Vijayakumari of Isha Yoga Foundation.

The objective of this webinar was to maintain the wellbeing of faculty and students in coping up with challenges faced in the current situation due to the spread of Covid-19 pandemic across the globe. The session included simple, yet powerful tools to manifest health and vitality in one's life both, both physically and mentally.

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 online.



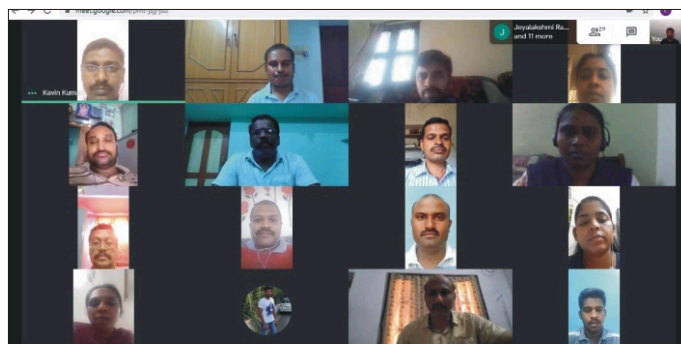
The instructor demonstrated and taught Yoga Namaskar for stretching and activating the spine, Simha Kriya for boosting lung capacity and mediation for health. About 52 faculty and students from different departments participated and benefited from the Webinar.

NCC - NAVAL

Sub.Lt. R.Sankaranarayanan, Officer in charge of The NCC Naval wing of our Institution organized a Webinar on 'Overview of NCC and Role of NCC' exclusive for the NCC cadets of 4(TN) Naval Tech Unit NCC from 03.00 pm to 04.00 pm on 26th June 2020. NCC Cadets from various colleges of Chennai, Kancheepuram, and Chengalpattu district participated.

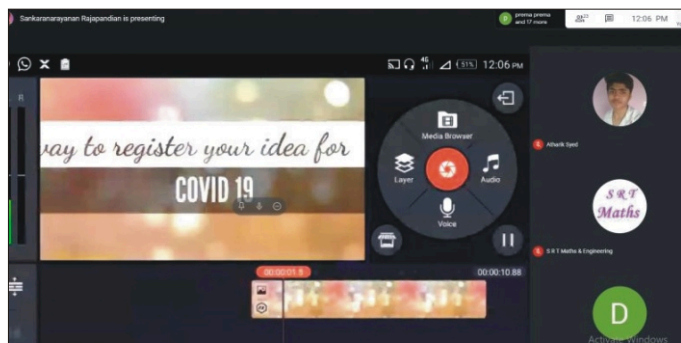
Department of Information Technology

A five day FDP on 'Communication & Web Technology' was organized from 12.05.2020 to 16.05.2020 for the Teaching Staff. The Resource Persons were Mr.S.Thamaraiselvam, Zoho Corporation Pvt Ltd., Mr. Giri Veeraraghavan Veda, Defsecone Consult & Tech. Pvt Ltd., Mr. Gopal Krishnan, IP MPLS Core Engg, Tata Communications, Mr.C.Bharanidharan, Comcast Pvt Ltd., Mr.J.Nagarjoun, Zoho Corporation Pvt Ltd., Dr.S.Narayanan A.P., Dept of IT and Ms.S.Sandhya, A.P., Dept of IT and the coordinator was Mr.M.Kavinkumar, A.P.



FDP on 'Communication & Web Technology'

A School programme on 'Way to Register your Idea for Covid-19 & Video Contest' was organized on 30.05.2020 for XI and XII students and the Resource Person was Mr.Karthikeyan@Iyan karthikeyan, CO_Founder & Editor Youturn.in Tamil's First Fact Checking and the coordinators were Ms.S.Shenbagavadivu, A.P., Mr.R.Sankara Narayanan, A.P and Mr.G.Vivekanandan.



School programme on 'Way to Register your Idea for Covid-19 & Video Contest'

A one day SDP on 'Efficient System Maintenance and Data Backup Storage Techniques' was organized on 15.06.2020 and the Resource Persons were Mr.G.Vivekanandan, A.P., Dept of IT, Mr.S.Venkatesan,



SDP on 'Efficient System Maintenance and Data Backup Storage Techniques'

Programmer and Mr.M.Jayaseelan, Service Engineer, the coordinators were Ms.K.Mohanambal, A.P and Mr.G.Vivekanandan, A.P.

A School programme on the 'State Level Science Quiz for Higher Secondary School Students' was organized from 19.06.2020 to 21.06.2020 for XI and XII students and the coordinators were Dr.S.Narayanan A.P. & Ms.S.Sandhya, A.P.

16 staff members participated in 297 online based events as follows.

FDP : 35, Workshops : 5, Training : 24, Webinars : 193, Quizzes : 36, Conferences : 3

Mr.K.Elaiyaraja, A.P received the best presentation award in a two day International Conference on the ' Computer Communication and Power Systems (ICCCPS-2020)'held on 29th and 30th May 2020 at Sri Venkateswaraa College of Technology, Sriperumbudur.

Dr.A.R.Revathi, Asso. Prof. published an article titled 'Quantum Computing: The Universal Computer' in CSI Communications, June 2020.

Dr.S.Ravikumar, A.P. filed a patent titled 'Wrist Watch based Health Monitoring System' on 05.06.2020.

Mr.K.Elaiyaraja, A.P. and Ms.S.Sandhya, A.P. presented papers on 'Multimodal Medical Image Fusion using Structure based Adaptive Decomposition with Enhanced Variation Model ' and 'Framework for the Fusion of Multimodal Medical Images using SR and MSD Techniques' in a two day International Conference on the 'Computer Communication and Power Systems (ICCCPS-2020)' on 29th and 30th May 2020 at Sri Venkateswara College of Technology, Sriperumbudur.

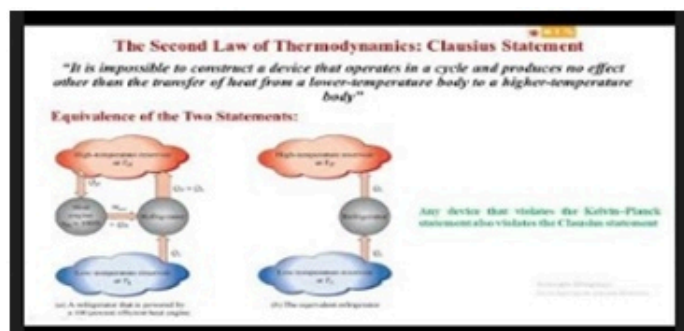
88 students participated in 150 online based events as follows.

Webinars : 82, Conferences : 1, Workshops : 2, Online Exam / Certification Exam : 37, Quizzes : 27 & Internship : 1

Department of Mechanical Engineering

An online Faculty Development Programme on 'Concepts of Thermodynamics, Fluid Mechanics and Dynamics for Mechanical Engineers' was conducted from 11.05.20 to 15.05.20. The External experts handled the sessions in the following topics: 1. Dr.Thundil Karuppa Raj, Prof. & Head, Dept. of Mech. Engg., VIT Chennai, on 'Introduction to Thermodynamics & Computational Fluid Dynamics' 2. Dr. N. Sekara Pandian, Asso. Prof., Dept. of Mech. Engg., VIT Chennai, on 'Thermodynamics Systems'. 3. Dr.P.Sivamurugan, Prof., Mech. Engg., Vel Tech R&D Institute of Science and Technology, on 'Introduction to Thermodynamics Cycle' 4. Mr.C.Senthamarai Kannan, AP, Mech. Engg., Sri Venkateswara College of Engineering, on 'Vibration Analysis and Control' 5. Dr.C.Velmurugan Prof. & Head, Mech. Engg., KCET, 'Balancing of Rotating Masses'. Internal faculty were delivered lectures in the following topics: 1. Mr.K.Arumugam, AP (Sr.G) on 'Mechanism for control dynamics of machinery', 2. Ms.N.Nithya, AP (Sr.G)

on 'Fluid properties and flow characteristics, and Fluid kinematics', 3. Mr.K.Vijayendiran, AP (Sr.G) on 'IC Engines'.



FDP on 'Concepts of Thermodynamics, Fluid Mechanics and Dynamics for Mechanical Engineers'

An online programme for the 11th and 12th students titled 'What Next?' was organised on 5.6.2020. The sessions were handled by Dr.Kulasekharan Narasingamurthi, Valeo India Private Ltd., on 'Future automotive industry', Dr.B.Sankaran, Presidency College, on 'Career guidance', Mr.R.Dhanasekaran, Pioneer Wincon, on Scope of Mechanical Engineers, Dr.S.Thirugnanam, SRM VEC on 'Why Engineering?', Mr.M.Iniyan Thirumurugan (Alumni) Zoho Corporation. 45 students registered from the various schools in Tamilnadu.

A 'Digital Reunion of Mechanical Alumni' programme was conducted on 13.06.2020 through google meet platform. 64 Alumni registered for the programme. An expert talk was given by Mr.N.D.Nandhalal, Team Lead, Renault Nissan Technology Business Center India Pvt Ltd, Mahindra world city, in the topic 'Automotive Industrial Scenario for Mechanical Engineers Post Covid 19'. The following points were delivered by expert: Industries need to accept changes, Personnel Mobility, Different challenges in automotive industry, Different challenges in automotive industry, Advancements in the automobile engine components.

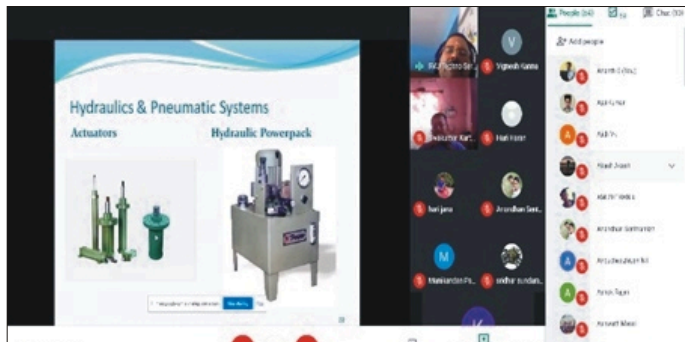
A one day skill development programme on 'Design and Fabrication of Foot Operated Sanitizer Dispenser' was held on 17/06/2020. In this programme, 20 Non-teaching staff participated from various Departments. The following topics were discussed: Importance of Sanitizer and soap usage, Importance of foot operated sanitizer dispenser, Design and components employed in the sanitizer, fabrication of Sanitizer dispenser components and assembly.



SDP on 'Design and Fabrication of Foot Operated Sanitizer Dispenser'

An online guest lecture on 'Foundry Automation' was conducted on 20.06.20. for our students. The chief guest Mr.S.Sekar, CEO, RVJ Techno Services discussed the

following topics: Basics of Foundry, Conventional Foundry activities, Various Conventional Components, Various products Manufactured using Foundry, Transition from Conventional to Modern Foundry, Various Modern Components, Foundry Automation, Recent Hardware and Software, Job opportunities for the Mechanical Engineering Students.



Online guest lecture on 'Foundry Automation'

Dr.G.Anbuechziyan, AP (Sr.G), published paper on 'Influence of microstructure and mechanical properties of TiC reinforce magnesium nano composite' Materials Today: Proceedings 27 (2020) 15301534.

Dr.G.Anbuechziyan, AP (Sr.G), published paper on 'Synthesis of B4C and BN reinforced Al7075 hybrid composites using stir casting method' Journal of Materials Research and Technology, 2020;9(3):62976304

Dr.G.Anbuechziyan, was designated as reviewer from June 2020 for the journal 'Materials Today: Proceedings'

Dr.S.Thirugnanam, Prof. published the paper, 'Synthesize and wet condition based characterizations of GRP / Lye treated sisal fiber hybrid composite' paper article in press. Materials Today: Proceedings

Our staff participated in the following online events, Faculty Development Programme: 35, Webinar: 283, Quiz: 23, Workshop: 12, Virtual Campus: 12, Guest Lecture: 4, Refresher Course 1

Five of our staff participated in a two week online refresher course.

Department of Master of Business Administration

Dept. of Management Studies in association with Internal Quality Assurance Cell and the Institution Innovation Council conducted a one-week Faculty Development Programme on 'International Business and Economic Analysis' from 11.5.2020 to 15.5.2020. 87 faculty members from various Institutions and colleges and 12 Faculty members from the Department of Management Studies participated and benefitted from the programme. The resource persons were Dr. Nisha Ashokan, Professor, Faculty of Management, SRMIST, Dr.Ravi, SRMIST, Dr.T.Padmavathi, Anna University, Dr. Ravindran, Kristu Jayanti College, Bangalore, Dr. Mariappan, Loyola College and Dr. Latha Lavanya, MEASI Institute of Management. Mr.VT. Baalaji Amuthan, Asst. Professor and Dr. L. Sujatha, Asst. Professor of the department coordinated the programme.

'Quiz Bustle 2020' was organised in association with the Institution Innovation Council in the month of May 2020 for UG Arts and Science Students, School Students and Engineering Students. More than 1000 students from various Institutions across Tamilnadu participated in the event. Mr.K.Suresh, AP, Mrs. A. Uma Devi, AP, and Mr. K. Guru, AP of the department coordinated the event.

'Youth Development Programme' was organised by the Dept. of Management Studies and the Institution Innovation Council on 26.5.2020 & 27.5.2020. 64 students from various Institutions participated and benefitted from the programme. Eminent speakers like Dr. R.K. Pongiannan, Professor, SRM Institute of Science & Technology and Dr.A.R. Krishnan, Asso. Prof., SRM Institute of Science & Technology, Ms. Ankita Das, HR Manager, Covenant Solutions and Dr. R. Ganesan, Chief Financial Officer, Wadia Group's Modern Education Society, Pune delivered lectures as a part of the programme. Dr.V.Selvalakshmi, AP and Mr.C.Dilip, AP of the department coordinated the event.



'Youth Development Programme'

A Skill Development Training programme, 'Performance Management: Finding the best Approach for Workplace' on 29-05-2020 for the non-teaching staff was organised by the Dept. of Management Studies. 18 participants from various departments participated and benefitted from the programme. Dr. M. Ganesan @ Kanagaraj, AP was the resource person and the coordinator for the programme.

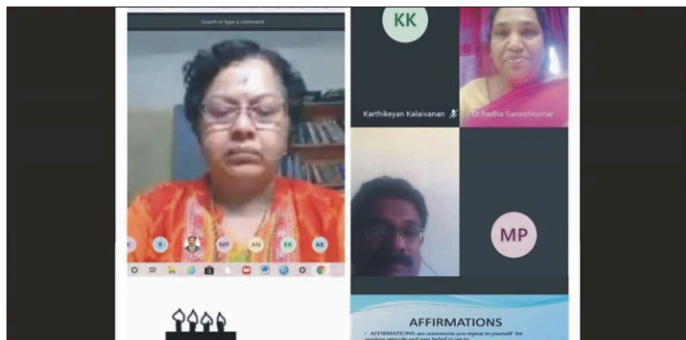


SDP on 'Performance Management: Finding the best Approach for Workplace'

MANASSO, the students club of the Dept. of Management Studies in observance of World Earth Day organised a painting competition on the theme, 'Earth before Pandemic and Earth after Pandemic'. 34 students from the department participated in the competition. The winners of the competition were Ms. Sridevi.K - I MBA Sec 2, Ms.Nivetha.V - I MBA Sec 2, Ms. Brindha.B - I MBA Sec 1. The participants and the winners were appreciated with

e-Certificates. Mrs.A.Uma Devi, AP and Mr.K.Guru, AP coordinated the event.

An Online Alumni Meet was organised by the Dept. of Management Studies on 6.6.2020. Ms. Anuradha Parakkat Director-NGO, Knowledge Exchange, Bangalore inaugurated and delivered a lecture on 'Leadership in Crisis'. Alumni of the department from various batches participated in the online meet. Department Alumni Coordinator Dr.L.Sujatha, AP coordinated the event.



Online Alumni Meet organised by the Dept. of Management Studies

A Summary of the event details attended during the quarantine period.

Webinars - 163, Faculty Development Program - 82, Workshop - 13, Refresher Course - 1 & Quiz - 8.

Department of English

The HoD and Staff members of the Dept. of English, along with the Placement and Training department conducted an online Resume screening session for all the 3rd Year UG students and MBA students from 13th April 2020 to 9th June 2020.

A Staff Development Programme titled 'The Power of Communication-The Elementary key to Self Esteem and Confidence' was organized for Programmers, Lab Assistants and Attenders on 18th June 2020. The resource persons were Ms. Sheeba Manodh, Asst. Prof (Sr.G) and Mr. Abhishek David John, Asst. Prof. (O.G).

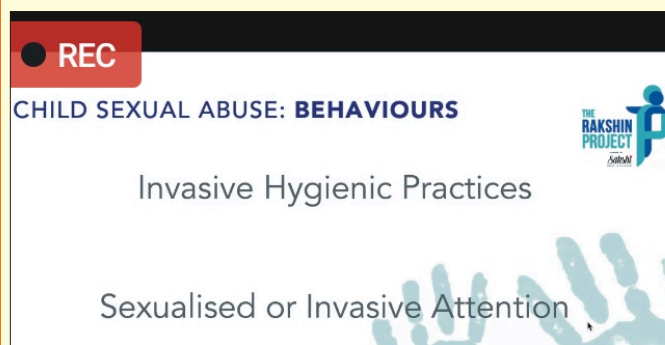


SDP on 'The Power of Communication-The Elementary key to Self Esteem and Confidence'

The Staff Members of the Department attended 21 Webinars, 22 Quizzes, 1 FDP & 1 E-Conference organized by various Colleges, Organizations and Universities.

Ms. K. Rachel, Lab Assistant, attended 5 Staff Development Programmes conducted by different departments in the College.

NSS



Child Sexual Abuse (CSA) is a global concern affecting the lives and rights of millions of boys and girls. The Ministry of Youth Affairs and Sports has given a directive to our NGO-SAKSHI to design, customize and deliver Workshops on Protection of Children from Sexual Offences Act 2012 (POCSOA 2012) for the NSS students across India. A similar webinar programme was organised for the NSS unit of SRM Valliammai Engineering College on 02.05.2020 from 3.00 pm to 4.00 pm. The NSS volunteers actively participated in this webinar. A pre-assessment test was conducted for the volunteers. After completion of pre-assessment, Dr.Jayashree spoke to the volunteers about the POCSO Act, 2012. She also explained the various concepts of child sexual abuse and the mechanism to deal such things through a power point presentation and videos. She also conducted an awareness session on rights and responsibilities for gender equality and capacity building for compliance of POSCO Act, 2012. The NSS volunteers acquired the knowledge, information, and tools to recognize, prevent, report and redress gender based violence and child sexual abuse in families and communities from the organizers of RAKSHINS (Protectors). At the end, an interactive question and answer session was also conducted.

The NSS unit of SRM Valliammai Engineering College organized and conducted an online video meeting on Google duo platform on 18.04.2020 from 11.45 a.m to 12.20 p.m as per the direction of Government of India, Government of Tamil nadu & NSS Co-ordinator, Anna University. The following points were discussed. (a) Facilitator Guide for Covid19, (b) I Got website registration, (c) Installation of ArogyaSethu App, (d) Stay home, stay safe, (e) How to spend our valuable time (f) Create a similar awareness among the people staying near us, (g) How to help the people who are fighting against Covid19, (h) Even after the Lockdown period, how to maintain ourselves & (i) If any help is requested by the Authorities, prepare ourselves for the direction.

On the occasion of the 6th International Yoga Day, the NSS unit of SRM Valliammai Engineering College organized an online camp on 21.06.2020. This time, the theme for the day says it all: 'Yoga at home, yoga with family'. Covid-19 has driven people to include breathing exercises in their daily lifestyle to boost the immune system to fight the pandemic. Yoga has turned out to be one of the favourite fitness regimes during the lockdown. Every year, a yoga camp is held in the college premises that would end with the Yoga Day celebrations on June 21. During Covid-19, keeping social distancing in mind, the NSS volunteers demonstrated various yogas in an online camp on June 21st.

Department of General Engineering

Mr.S.K.Saravanan, AP(Sel.G) and Dr. D. Sridevi, AP(SG) published a research paper titled 'An Efficient Way to Reduce Fraud Detections in Banking Sector by using Multi Combination of Password Technique' in the International Journal of Multidisciplinary Educational Research with the ISSN No: 2277 7881, Volume 9, issue 5(1), May 2020.

Mr.S.K.Saravanan, AP(Sel.G) and Mr. M. Asan Nainar, AP(Sel.G) published a research paper titled 'Survey of Edge Computing Market Analysis and Estimation' in the International Journal of Innovative Research in Computer and Communication Engineering with the ISSN No: 2320 9801, Volume 8, issue 6, June 2020.

Ms. M. Sangeetha, Programmer participated in the following events conducted by various departments of our college.

(i) One day Skill Development Training Program on 29.05.2020 at MBA department.

(ii) One day Workshop on "Calibration of Instruments" at EIE department on 04.06.2020.

(iii) One day Training Program on 'Shine' at ECE department on 05.06.2020.

(iv) One day Training Program on 'Basic Properties of Building Materials' at Civil department on 09.06.2020.

(v) One day Skill development Program on 'Efficient System Maintenance and Data Backup Storage Techniques' at IT department on 15.06.2020.

(vi) One day Skill development Program on 'Design and Fabrication of Foot Operated Sanitizer Dispenser' at MECH department on 17.06.2020.

(vii) One day Skill development Program on 'The Power of Communication The Elementary Key to Self Esteem and Confidence' at English department on 18.06.2020.

The department staff attended the following events through various online platforms consolidated. FDP 28, STTP -1, Workshop 25, Quizzes 11, Conferences 2 and Guest Lectures 57.

Department of Placement & Career Guidance

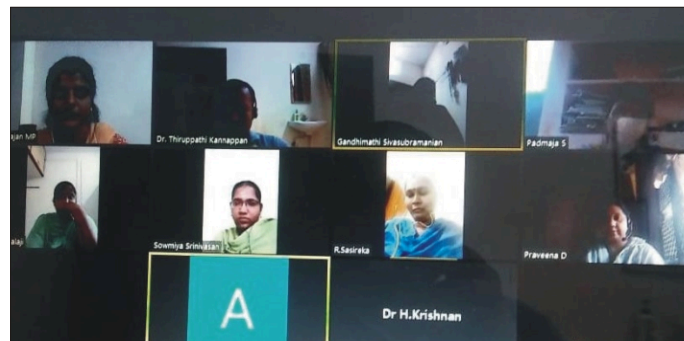
Dept. of Placement & Career Guidance in association with Dept. of English, organized an Institution Industry Interaction on the topic 'Shortlisting and selection in interviews, Resume and its relevance' on 13th May 2020. The resource person was Mr.Gokul, Senior Manager Human Resource Manager, Mahindra Rural housing Finance Pvt Ltd. Another session of Institution Industry Interaction was organized on 16th May 2020 on the topic 'HR's Expectation in an Interview-The Demand of Job'. The resource person was Mr. Bharani, HR Manager, Renault Automotive Pvt Ltd. The sessions were attended by all the faculty members of English and Placement Staff Coordinators of the core departments.

6 MBA students have been selected from Muthoot Finance. Totally 457 students were placed.

Department of Physics

Ms.RamyaRajan.M.P published a research paper on the 'Synthesis, Characterisation in silico studies and in vitro biological evaluation of isoniazid-hydrazone complexes' in the Journal of Molecular Structure on 15th September 2019, Volume No 1216, 128297.

A Five day Faculty Development Programme (FDP) was conducted in the Department of Physics from 11th to 15th May 2020 through online mode.



FDP on Quantum Mechanics and Crystal Physics

Day-1 : Dr.M.Anbuezhayan, Associate Professor, Department of Physics - Quantum Mechanics and Crystal Physics & Ms.Ramya Rajan.M.P Assistant Professor, Department of Physics - Laser and Fiber optical communication systems.

Day-2 : Ms.D.Praveena, Assistant Professor, Department of Physics -The importance of Physics in Agriculture Engineering.

Day-3 : Ms.S.Gandhimathi, Assistant Professor, Department of Physics- Thermal performance and acoustics of buildings. Ms.R.Sasireka, Assistant Professor, Department of Physics - Lighting design of buildings and Hazards.

Day-4 : Dr.K.Thirupathi, Assistant Professor, Department of Physics - Lecture on the topics of Magnetic materials, new engineering materials and their applications. Ms.S.Sowmya, Assistant Professor, Department of Physics - Phase diagrams, ferrous alloys and their application in Mechanical Engineering.



FDP on Phase diagrams, ferrous alloys and their application in Mechanical Engineering

Day-5 : Ms.R.Nithya Balaji, Assistant Professor, Department of Physics - Conducting, Semiconducting and Dielectric materials and their applications. Dr.S.Padmaja, Assistant Professor, Department of Physics - Optical, Nano materials and their application in Engineering.

10 faculty members of the department attended 276 Webinars in total.

Workshop - 7, FDP - 10, Symposium - 3, Seminar - 1, Quizzes - 27, Webinar - 228

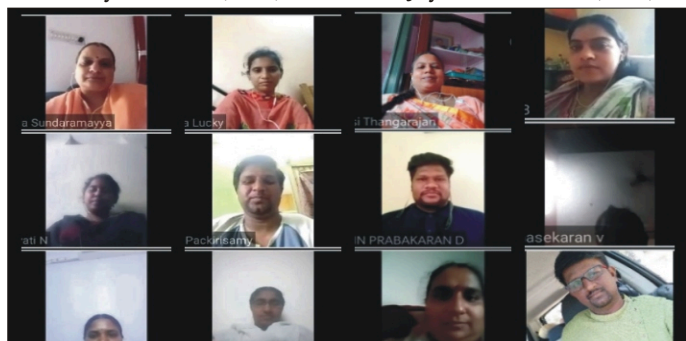
The Staff Members of the Department attended 21 Webinars, 22 Quizzes, 1 FDP & 1 E-Conference organized by various Colleges, Organizations and Universities.

Department of Mathematics

Dr. Dr.T.Isaiyarasi / AP(Sl.G) published a paper 'Authenticated Tripartite key Agreement Protocol using Digital Signature Algorithm', in JP Journal of Algebra, Number Theory and Applications, Volume 46, Issue 1, PP 1-19, April 2020.

Dr. V. Vijayalakshmi / AP(Sl.G), S.Surabhi / AP(O.G) / Medical Electronics and A. Karpagam / AP (O.G) published a paper 'Fully Fuzzy Linear Systems in Python Programming', in International Journal of Engineering and Advanced Technology, ISSN 2249 8958, Volume 9, Issue 4, PP 951-956, April 2020

The department of Mathematics organized a faculty development programme on Topics in Engineering Mathematics from 11.05.2020 to 15.05.2020. The participants were the faculty of the department of Mathematics. The FDP mainly focused on the topics in Engineering Mathematics and their applications. The FDP was convened by Dr.S.Chitra, HOD/Maths/AP (Sl.G) and the Coordinators Dr.T.Isaiyarasi/ AP(Sl.G) & Dr.V.Vijayalakshmi/ AP(Sl.G).



FDP on Topics in Engineering Mathematics

Session 1: Mr.N.Sundarakannan / AP (O.G) introduced the concept of Partial differential equations and Laplace Transform Techniques. Also he briefed the application of partial differential equations in Civil Engineering.

Session 2: Mr.V.Dhanasekaran / AP (O.G) focused on Solution of first order partial differential equations using Lagrange's method

Session 3: Ms.V.Nagarani / AP (O.G) delivered a lecture on Fourier Transform and presented the applications of Fourier transform

Session 4: Ms. A.Karpagam/ AP(O.G) introduced the concept of Bayes theorem and total probability theorem.

Session 5: Mr.R.E.Premkumar/ AP (O.G) a medical field expert for more than two decades was the speaker for the day and he gave a thorough insight about the pandemic disease COVID19 and Coronavirus. He also detailed the means by which the disease spreads

Session 6: Ms.N.Prabhavathy/ AP (O.G) delivered a lecture on solution of homogeneous partial differential equation. She explained in detail about the method to solve the PDE by giving suitable examples

Session 7: Ms.B.Elakkiyavani/ AP(O.G) introduced the topic in statistics called Random experiments. She highlighted on the topic ANOVA (Analysis of variance)

Session 8: Ms.G.Sasikala/ AP(O.G) started this session by introducing the concept of Z-transform. She defined the Z-transform and stated the properties.

Session 9: Mr.L.Mohan/ AP(O.G) introduced the partial differential equations and explained how to classify them. He also briefed the application of PDE in one dimensional wave phenomenon, vibration of strings, transmission lines, one dimensional heat diffusion and two dimensional heat diffusion.

Session 10: Mr.D.Captain Prabhakaran/ AP(O.G) introduced the concept of Fourier series and its applications.

The department of Mathematics organized 'MATHMINDS 2020' an online Math quiz competition for 12th students from 10.06.2020 to 15.06.2020 and around 70 school students registered and participated in the competition.

The faculty members attended totally 67 Webinars, 19 FDPs, 7 Workshops, 1 STTP, 2 Lecture series, 10 Quiz and 3 Seminars.

Department of Chemistry

The faculty members attended totally Conference 3, Webinar 95, Quiz 71, Online Course 15, FDP 12, Online Lecture 6, Workshop 3, SDP 2, SDTP 2 & Symposium - 1.

The faculty members and non-teaching staff of the Department of Chemistry participated in 210 online programmes such as 3 Conferences, 95 Webinars, 71 Quizzes, 15 Online Courses, 12 FDPs, 6 Online Lectures, 3 Workshops, 2 SDP, 2 SDTPs and 1 Symposium conducted by various Institutions, Colleges, Universities, IITs, Springer and YouTube channels to improve the quality and standards of teaching, competency and learning skills for long-term development, support and benefits for students' progress, during COVID-19 Lockdown April to June 2020.

SRM Valliammai Engineering College

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