



SRM VEC, Paarivendhar Students' Tamil Mandram and Vendhar TV jointly organized a Pongal pattimandram on 6<sup>th</sup> January 2020 on the topic (பண்டிகைகள் நமக்கு கொண்டாட்டமா..? திண்டாட்டமா?). Actor, Kalaimamani Mr.Rajesh was the judge for the debate. Mr.K.Shanmugam, A.P., CSE, Ms.Thenmozhi, A.P., IT, R.Aarthiprakash/CSE, Aadhavaraj/Civil, K.Sankarbabu/ECE and J.Dharshini/CSE participated in the programme.

## Tamil Mandram

K.SankarBabu, Dept of ECE Second year was honoured with 'Sadhanai Sigaram Award and Best debate speaker' in Karur by Senthamil Kalai Illakiya Sangam for his service rendered for Tamil and best Tamil speaker on 1<sup>st</sup> Jan. 2020.



K.SankarBabu, Dept of ECE Second year was honoured with 'Sadhanai Sigaram Award and Best debate speaker'

K.SankarBabu, Dept of ECE, Second year, and G.Sakthi Raj, Dept of ECE, Second year, R.Balayogesh, Dept of ECE won the second Prize in the Drama competition organized by St.Xavier college, Palayamkottai.

Senthamil Manavar Mandram conducted various Tamil competitions for college students on 25<sup>th</sup> January 2020. The

Tamil Mandram students participated in all competitions and won the all competitions. The prize winners are:

K.Sankarbabu, Dept of ECE, Second year, First prize in Pattimandram, Mono acting and Drama, C.Chandru, Dept of ECE, Second year, First prize in Drama, Sivasakthi, Dept of ECE, Second year, First prize in Drama, Anatan Michael, Dept of ECE, Second year, Second prize in 'own skills' and First prize in Drama, G.Sakthi raj, Dept of ECE, Second year, First prize in Drama and R.Bala Yogesh of ECE, Second year First prize in Essay Writing.

Our College celebrated the 71<sup>st</sup> Republic day on 26<sup>th</sup> January 2020. On this occasion, Paarivendhar Students' Tamil Mandram members -Harshini, Third year/CSE, MonishaVarsha, Third year/CSE and Gayathiri, Third year/CSE, Harini, Third year/ CSE presented a standup comedy.



71<sup>st</sup> Republic day Celebration



The Centre for Cultural Education, Training & Research, Tamil Nadu conducted an Open Book Test on 30<sup>th</sup> January 2020 in our college for enhancing the book reading habits of students. 182 students of our college participated in the competition.

K.SankarBabu, Dept of ECE Second year, won the first Prize in the Speech Competition organized by Centre for Development of Tamil in Engineering and Technology, Anna University Chennai on 7<sup>th</sup> February 2020.



Speech Competition organized by Centre for Development of Tamil in Engineering and Technology, Anna University Chennai

Paariveandhar Students' Tamil Association, SRM Valliammai Engineering College organized a Workshop on 'Tamil Padaipillakiyya Arangam' (தமிழ்ப்படைப்பிலக்கிய அரங்கம்) on 6<sup>th</sup> Feb. 2020. The workshop was inaugurated by Dr.B.Vanathi, HOD/CSE. The Resource Person was Dr.A.Manavazhahan, Asso.Prof., International Institute of Tamil Studies and Coordinator, Gallery of Pazhanthamizhar Vazhviyal. The outcome of the workshop was to provide special benefits for the students who are bestowed with the Tamil literary skills for composing their own poetry and to develop their technical article writing skills.

Tamil Mandram students participated in the Tamil competitions conducted by Pachiyappa's College on 15<sup>th</sup> February 2020 and won the over all trophy.

The following students were won prizes

- K.Sankarbabu, Dept of ECE, Second year, the First prize in Drama , Third prize in Speech competition & the Second prize in Poetry and Mono acting.

- G.Sakthi Raj, R.Bala Yogesh , Sridhar of Dept of ECE, Second year, First prize in Drama.



Tamil competitions conducted by Pachiyappa's college and won the over all trophy

Mr.K.Shanmugam, AP/CSE was the Judge for the Speech Competition event organized by the Dean of women students and the Forum of Loyola women students, Loyola College, Chennai on 18<sup>th</sup> Feb 2020.

Paariveandhar Students' Tamil Association celebrated world Mother Tongue day on 20<sup>th</sup> Feb 2020. C.Chandru, Sivasakthi, Anatan Michael, G.Sakthi Raj, R.Bala Yogesh , Second year/ ECE enacted a drama titled ' Mounampeasiyathea'.

Madras Institute of Technology (MIT) conducted various Tamil competitions for college students on 23<sup>rd</sup> Feb 2020. Our college Tamil Mandram students were participated in all competitions. The following students were the prizes winners.

- K.Sankarbabu, Dept of ECE, Second year, First prize in Drama and First prize in Debate show.

- G.Vignesh, Dept of EIE, Third year, Third prize in Poetry competition.

- G.Sakthi raj, R.Bala Yogesh , C.Chandru , Sivasakthi and Anatan Michael Dept of ECE, Second year, First prize in Drama.

Engineering college conducted various Tamil competitions for college students on 5<sup>th</sup> March 2020. K.Sankarbabu, Dept of ECE, Second year participated in Pattimandram event and won the Fourth prize.

Zee Tamil TV conducted an audition to students for Tamizha Tamizha talk show on 6th March 2020. 52 students of our college participated in the audition.

Third year CSE students' articles have been published in the Puthiya thalaimurai women magazine in the March issue on the topic of "Do women shine like men in Politics?" The following students participated. 1.Aarthi Prakash, 2.Deepika.J, 3.Deepika.P, 4. Dharshini.M, 5.Divyalakshmi.M, 6. Gayathri.K, 7. Harsheni.S, 8. Indujha Madapoosi Sridhar, 9. Jebasharon.J & 10. Kavithanjali.V

Computer society of India-Kanchipuram chapter, Paarivendar Student's Tamil Association, Kanitha Tamil Peravai of SRM Valliammai Engineering College organized a National Seminar on Tamil Computing on 12<sup>th</sup> Mar. 2020.

The Tamil Computing syllabus has been introduced in our college in order to raise awareness in Tamil Computing.



Release of Quarterly Bulletin 'Poriyari'

On this occasion, the quarterly bulletin 'Poriyari' was released with ISBN Number under the auspices of SRM Valliammai Engineering College and Paarivendhar Students' Tamil Association.

The guest of honour was Dr.Thamilparidhi Mari, Professor, Periyar University and contributor to Tamil

Wikipedia who spoke on 'Tamil Wikipedia and open Culture in wikipedia.

The second session was addressed by Mr. Neechalkaran, a Canadian Literary Estate Computing Award winner and Technical Analyst, Infosys who spoke on 'Tamil computing Requirements and Opportunities'.

The third session was handled by Dr. Anna Kannan, a Journalist and Founder of the Nokker Language Lab who spoke on 'Tamilnaiyam Tasks and Opportunities'.

The fourth session was handled by Dr. Subalalitha, Associate Professor of Computer Science and Engineering, SRM Institute of Science and Technology, Tamil Nadu who spoke on 'Tamil in today's Computer science Engineering and Technology'.

The function was presided over by Dr.T.P.Ganesan, Director of SRM Valliammai Engineering College (SRM VEC) and Pro vice Chancellor of SRM University. The function was felicitated by SRM VEC, Principal and Chairman of Computer Society of India Kanchipuram Chapter, Dr.B.Chidhambararajan and SRM VEC Vice Principal, Dr.M.Murugan. More than 150 students participated in the event.



Value Added Course on 'TV News Reading and anchoring Training in Tamil'

Paarivendhar Student's Tamil Association conducted a Value Added Course on 'TV News Reading and anchoring Training in Tamil' in association with Shravanam Training Institute, Kodambakkam, in the month of Feb. 2020.

Ms. Prabavathy, Shravanam Training Institute was the Resource person. Ms. Sarayu, News Reader, News-7 channel, addressed the students.

J.Dharshini, Second year/ CSE was honoured with 'Kanavu manavar award (கனவ் மாணவர் விருது)' by Dr.A.P.J Abdul Kalam education and Green Trust for her longest Tamil activities and received various speech, essay writing competition prizes.

## Department of Civil Engineering



Won 'Best Picture' in Pongal Celebrations

Department of Civil Engineering actively participated in the Pongal Celebrations held in the college and won 'Best Picture' in the group picture contest.

M.Moganraj, Assistant Professor, S.Karthick, Assistant Professor, and J.Nandhini, Assistant Professor cleared the GATE-2020 examination.

J. Arunraj Christadoss, Assistant Professor, S.S.Manu, Assistant Professor, K.Tharini, Assistant Professor and 13 PG students participated in one-day workshop on 'Drafting for Patent Filing' organized by Department of Computer Science and Engineering on 8<sup>th</sup> January 2020.

K.Jeevitha, Final year, won the 7<sup>th</sup> position in 'All India level marathon' powered by Tata Consultancy Services held in Mumbai on 16<sup>th</sup> January 2020.

Department of Civil Engineering in association with Institution of Engineers (India) and Indian Society for Technical Education organized a Guest Lecture in

'Improvement techniques in Soil Structure' on 5<sup>th</sup> Feb. 2020. The speaker was Dr.R.Angelin Prabhavathy, Prof., Hindustan Institute of Technology and Science, Padur, Chennai.



Guest Lecture in 'Improvement techniques in Soil Structure'

Department of Civil Engineering conducted a Value Added Course on 'Analysis Software Using STADD Pro' from 5<sup>th</sup> February to 26<sup>th</sup> February 2020. The course was handled by Mr.G.R.Iyappan/AP. 45 students had enrolled in this course.



Workshop on 'Software Applications in Civil Engineering'



Department of Civil Engineering organized a National Level Workshop on 'Software Applications in Civil Engineering' on 6<sup>th</sup> and 7<sup>th</sup> February 2020. The Guest speaker was Mr. Pradeep, BIM Manager, DE NOVO SOFTWARE SOLUTION.

Department of Civil Engineering conducted an awareness programme about 'Novel Corona Virus' to the Teaching and Non Teaching staff on 13<sup>th</sup> February 2020. The same was discussed with the students.



Awareness programme about 'Novel Corona Virus' to the Teaching and Non Teaching staff

K. Jeevitha, Final year, secured 2<sup>nd</sup> position in 800m run conducted by VIT, Vellore during the 'International Cultural and Sports Carnival-Riviera 2020' on 14<sup>th</sup> Feb. 2020.

Department of Civil Engineering organized a one-day National Level Workshop on 'Structural Design of Building Systems' on 15<sup>th</sup> February 2020. Dr. V. Kalyanaraman, Former Professor, IIT Madras inaugurated the workshop and delivered a lecture on the topic 'Methods of Analysis to Structural Design'.

In the second half of the forenoon session, Dr. Sreenath, Design Manager, L&T briefed the audience about 'Design of Composite Building'. In the afternoon session, following lectures were presented.

- 'ETABS Analysis-Design' by Dr. Mashudha Sultana, Project Scientist, IITM.

- 'Challenges in Structural Design' by Dr. C.V.R. Murthy, Professor, IIT Madras.

- 'Future Trends in Structural Design' by Mr. Charan Raju, Senior Design Engineer, COWI.

K. Jeevitha, Final year, secured 1<sup>st</sup> position in 10k Women 'Madras Inner Strength Marathon' held in Mayajal on 16.02.2020.



1<sup>st</sup> position in 10k Women 'Madras Inner Strength Marathon'

## National level Technical Symposium 'Construo 2020'



Department of Civil Engineering organized a National level Technical Symposium 'Construo 2020' on 21<sup>st</sup> February 2020. Mr. N. Prabakaran, Chief Officer, Highways Department was the Chief Guest. Around 200 students from various colleges participated in four Technical and Non-Technical Events. The prizes were distributed by the Head of the Department in the valedictory function.

K. Muthu Ganesh, PG student presented a paper titled 'Steel Intensive Food Grain Godown' at the National Level Best Innovative Structural Steel Design Competition organized by INSDAG, Kolkata on 14<sup>th</sup> and 15<sup>th</sup> February 2020. He was one among the top 14 participants in India



Paper titled 'Steel Intensive Food Grain Godown' presented at the National Level Best Innovative Structural Steel Design Competition organized by INSDAG, Kolkata

The Third year Civil Engineering students (III-B Sec) went on an industrial visit to Waste Water Treatment Plant, Koyambedu and Nesapakkam on 25<sup>th</sup> February 2020. The students were divided into two batches.



Industrial Visit to Waste Water Treatment Plant, Koyambedu and Nesapakkam



7 faculties and 3 students from the Department of Civil Engineering attended 'ASCE Leadership Training Program' conducted by SRM Institute of Science and Technology on 26<sup>th</sup> February 2020.

K.Jeevitha, Final year, won the 2<sup>nd</sup> position in 'MEPZ Run' held at Tambaram in MEPZ Zone on 1<sup>st</sup> March 2020.

M.Priyadharshini, III Year, participated in a workshop on 'Prestressed Concrete on Bridges' conducted at CEG, Anna University on 6<sup>th</sup> March 2020.

S.Ahishek, III Year, participated in a workshop on "IoT : Paper to Prototype" conducted at MAITHRI 2020, Anna University on 7<sup>th</sup> March 2020.

K.Muthu Ganesh, PG student obtained a certificate of appreciation as 'NPTEL Discipline Star' from IIT Madras.

Students who secured 'S Grade' in University Examination were awarded with books by the Head of the Department on 10<sup>th</sup> March 2020.



Students secured 'S Grade' in University Examination were awarded with books by HOD

Department of Civil Engineering organized a Guest Lecture on 'Sequential batch reactor (SBR) in Aerobic Treatment' on 10<sup>th</sup> March 2020. The speaker was Mr.Adarsh Sridharan, Manager, Smart Water Management of Green Environment, Chennai.



Guest Lecture on 'Sequential batch reactor (SBR) in Aerobic Treatment'

M.Roshini, PG student presented a paper titled 'Analytical Study on Laced Composite Channel Beam' in the National Conference on 'Recent Innovations in Civil Engineering' conducted by Sai Ram Institute of Technology on 13<sup>th</sup> March 2020.

Rokesh, Santhosh and Rama Krishna attended a workshop on 'Google Earth Engine' in CEG, Anna University on 14<sup>th</sup> March 2020.

K.Balaji and N.Joshitha completed a week long internship in Chennai Metro Rail.

Third year Civil Engineering section C went on an industrial visit to 'Madurantakam Lake'(Canal and Irrigation Structure) on 13<sup>th</sup> March 2020.



## Department of Computer Science & Engineering

Dr.B.Muthusenthil/ Asso.Prof, published a paper on 'A Reliable Next Generation Cyber Security Architecture for Industrial Interest of Things Environment' in the International Journal of Electrical and Computer Engineering.

Kumaresan .G/A.P, Sharath A, Sheshanth.B.P, Somesh.A.(U.G Students) published a paper on '2D Multiplayer Game Development Using Unity' in the International Journal of Advance Research and Innovative Ideas in Education.

Dr.D.Kavitha / A.P, R.Varssha T.Varun,R.G, S.VarunPrasat M.Wenkit (U.G Students) published a paper on the 'Smart Surveillance System for Dynamic Attendance' in the International Journal of Innovative Research in Science Engineering and Technology.

Mr.K.Shanmugam/A.P, Ramkumar, Sivamurugan.A, Saivignesh.M (U.G Students) published a paper on 'Digitalization Of Tamil Handwritten Characters Recognition Using Convolutional Neural Networks (CNN)' in the International Journal of Advance Research and Innovative Ideas in Education.

Dr.D.Kavitha / A.P, BharathKumar.G , BharathKumar .V, JogeshKumar.E.R (U.G Students) published a paper on 'An Automatic No Parking Vehicle Notification System Using Iot' in the International Journal of Advance Research and Innovative Ideas in Education.

Ms.Vidhya.A / A.P, K.Jayavarshan, G.Hariharan, J.Imthiyaz (U.G Students) published a paper on 'Crime Prone Area Detector with Mapping Services using Crime Data' in the International Journal of Advance Research and Innovative Ideas in Education.

Ms.S.Suma/AP, M.Bharathi, G.Harikumar, B.Deepak, S.T.Akilash, Y.Jayaseelan and O.Benjamin Elizer (U.G Students) published a paper on 'Food Recognition and



Calorie Estimation using Image Processing' in the International Journal of Advance Research and Innovative Ideas in Education.

Ms.R.Anitha/AP, T.Nandhini, S.Sathish Raja and V.Nikitha (U.G Students) published a paper on 'Early Detection of Parkinson's Disease using Machine Learning' in the International Journal of Advance Research and Innovative Ideas in Education.

Dr.Samydurai.A/ Asso.Prof participated in 'Innovation Ambassador Training Series', Organized BY IIC - MHRD'S Innovation Cell (MIC) on January 8<sup>th</sup> & 9<sup>th</sup>, 2020.

Dr.M.Senthil Kumar, Associate Professor received the award called 'Longest Continuous CSI Student Branch Counselor' during 53<sup>rd</sup> Annual Convention which was held between 16<sup>th</sup> January and 18<sup>th</sup> January, 2020 at KIIT University, Bhubaneswar. He has been getting this award for the fourth consecutive time from CSI for the years 2016, 2017, 2018 and 2019.

Dr.M.Senthil Kumar, Associate Professor/CSE received the National Level Prestigious Professional award 'Significant Contribution Award' for his contribution to the Computer Society of India during 53<sup>rd</sup> Annual Convention held between 16<sup>th</sup> January and 18<sup>th</sup> January, 2020 at KIIT University, Bhubaneswar.

S.Sonali, J. Sabarish and R.Vishweshwaran, III year students participated in the event 'Intelligent Stick' in SSN Hack & Tackle 2.0, a 24 -hour Hackathon on 21<sup>st</sup> February 2020 and won a cash award of Rs. 2500/-.

Sriaparna S , Subhashri.M and Tintu Mathew of III Year CSE has presented a paper entitled 'Electric Vehicle - Infrastructure using Block Chain' and won the First Prize, held at Adhiparasakthi Engineering College, on 22<sup>nd</sup> Feb. 2020.

IPR Cell, in association with Computer Society of India organized a Workshop on 'Drafting for Patent Filing' on 8<sup>th</sup> January 2020. Shri. T. V. Madhusudhan, Former Deputy Controller of Patents and Designs, Intellectual Property Office, was the chief guest for the programme and he spoke on Patent Drafting and Filing . Around 104 participants from various departments including students, faculty members attended the programme.



Workshop on 'Drafting for Patent Filing'

A Seminar was conducted on 'Dev Ops Software Development(Dev) and Information Technology Operations

## National level Technical Symposium 'Cyborgs - 2020'



A National Level Technical Symposium Cyborgs-2020 was conducted on 15<sup>th</sup> February 2020. The symposium was inaugurated by Shri. Raja Chellapan , Sr. Technical Manager , NSEIT, Chennai inaugurated the function who delivered a lecture on 'Current Trends in IT Companies'. Around 80 students participated in the event.

(Ops)' on 12<sup>th</sup> February 2020. The Chief Guest Mr.Praveenkumar Rajendran, Senior automation Consultant, Cognizant Technology solutions (CTS), Chennai introduced the role of DevOps in IT industry and corporate organizations.



'Dev Ops Software Development(Dev) and Information Technology Operations (Ops)'

A Seminar was conducted on 'Report and Technical paper writing' on 6<sup>th</sup> March, 2020. The Chief Guest Dr.S.Arulchelvan, University College of Engineering, Villupuram gave a detailed view of Technical paper writing.



Seminar on 'Report and Technical paper writing'

Students of II Year CSE-1 and CSE-2 went on an Industrial Visit to Positive Naick Analytics, Chennai on 27<sup>th</sup> January and 14<sup>th</sup> February 2020 respectively.





Industrial Visit to Positive Naick Analytics, Chennai

Students of III Year CSE-1 went on an Industrial Visit to Vendhar TV on 21<sup>st</sup> February 2020.



Industrial Visit to Vendhar TV

A Project Exhibition Day for the Final year students of all the departments was organized on 13<sup>th</sup> March, 2020. In this regard, a Committee was constituted to select the best among the three projects from each department (Civil, CSE, ECE, EEE, EIE, IT, MECH). The Committee Members were Dr. H. Krishnan, HOD / Physics, Dr.L.Devaraj Stephen, Head / Chemistry, Dr.R.Karthick, Associate Professor/EEE and the Heads of the respective departments.



Project Exhibition Day

## NCC

NCC cadets participated and won prizes in CATC -19 cum RDC Marina Training Camp held between 3rd Jan 2020 to 12<sup>th</sup> Jan 2020 at Jeppiaar Engineering College, Chennai.

POC Rajendran S S and NC1 Sakthivignesh P won the first prize in Basketball, LC Chandru G, won the first prize in Volleyball and POC Gayathri J, LC Yuvalakshmi P and NC1 Shamine S won the second prize in Throwball.

## Department of Electrical & Electronics Engineering

The students of VI semester EEE1 went on an Industrial visit Kalaivani Electricals, Thirumudivakkam, Chennai on 10<sup>th</sup> January 2020.

The Department organized a one - day Guest Lecture on 'Recent Trends in Power system Protection' on 23<sup>rd</sup> January 2020. Our alumni, Mr.R.Kathiravan, B.E., Testing and Commissioning Engineer (Sr), SPK Power Infra Pvt. Ltd, Poonamalle, Chennai was the resource person.



Guest Lecture on 'Recent Trends in Power system Protection'

The students of IV semester EEE went on an Industrial visit 400 KV Sriperumbudur substation, Irungattukottai, Chennai on 24<sup>th</sup> January 2020.

The Department conducted a three - day Entrepreneurship Awareness Camp sponsored by Entrepreneurship Development Institute of India (EDI), Ahmedabad from 6<sup>th</sup> to 8<sup>th</sup> February 2020.

The Department organized a one - day Seminar on 'Modern Speed Control Technologies of Electrical Motors' on 11<sup>th</sup> February 2020. The resource person was Mr.M.Tamilvannan, M.E., Project Team Lead, ABB Global Industries & Services Pvt. Ltd, Chennai

The students of VI semester EEE2 went on an Industrial visit to V EQUAL IR T&C Service, Mogapair on 21<sup>st</sup> February 2020.

As a part of Renewable Energy club activities, a Guest Lecture was conducted on 'Integrated IOT and MPPT



Guest Lecture on 'Integrated IOT and MPPT Systems for Small Hydroelectric Generation'



Systems for Small Hydroelectric Generation' on 25<sup>th</sup> February 2020. Our alumni, Mr.S.Subramaniyan, Project Engineer (Embedded System), Retech solutions Pvt. Ltd., Chennai was the resource person.

The Department conducted a one - day Workshop on 'Variable Frequency Transformer Model Analysis' on 5<sup>th</sup> March 2020. Our alumni, Mr. S.Vignesh B.E., Application Development Associate, Accenture, Chennai was the resource person.

Final year Project Exhibition day - 2K20 was organized on 9<sup>th</sup> March 2020. Two best projects were selected from EEE department. The First best project was 'Smart Gurney System with Remote Knowledge Communication through Cloud' and the second best project was 'SMS based accident alert with GPS co-ordinates'.

Ms Abirami.A, Mr. Ahamed Nihaal R.S, Ms. Nandhini.V and Dr. K.Elango/Professor & Head published a paper on 'PRS Nano Uav System', International Research Journal of Engineering and Technology, Vol.7, Issue.3, March 2020.

Ms. R. Sujitha, Ms. K. R. Santhya, Ms. A. Vigneshwari, Ms.V. Varsha and Dr. K.Elango/Professor & Head published a paper on 'Development of Charge Controller for Small Scale Wind Energy Conversion Systems', International Journal of Scientific Research and Engineering Development, Vol.3, Issue.2, Mar-Apr 2020.

Ms. N. Bala Abirami, Mr. G. Esakki Raja, Mr.S.Sedhupathi, Mr. K. Kishore Kanth and Dr.G.Udhayakumar/AP published a paper on 'Smart Health Band with Alert System', International Research Journal of Engineering and Technology, Vol.7, Issue.4, April 2020.

Ms. Geethapriya.R, Ms. Anbuselvi.A, Mr.Arpputhanandam.A.S & Dr.Udhayakumar.G, Asso. Prof. published a paper on 'Embedded System Based Emergency Evacuation System', International Journal of Innovative Technology and Exploring Engineering, Vol 9, Issue.6. April 2020.

Mr. M. Mahendran, Ms. M. Indumani, Mr.S. Manikandan, Mr. P. Manickavel and Dr.R. Karthik/Associate Professor published a paper on 'Phantom Bat for Military Applications', International Journal of Innovative Technology and Exploring Engineering, Vol 9, Issue.6. April 2020.

Ms. A.Amshini, Ms. G.Aiswarya, Mr. V.Sundaramoorthi, Mr. Surya Ramnarayanan and Dr. R.Karthik/Associate Professor published a paper on 'Performance Analysis and Monitoring of Horizontal Axis Wind Turbine using Solid Works', International Research Journal of Engineering and Technology, Vol.7, Issue.3, March 2020.

Ms.M.Abinaya, Ms. C.V. Chauru Nisha, Mr. K. Adithyan, Mr. V. Dhinakaran and Dr. R. Arivalahan/Associate Professor published a paper on 'Implementation of Low Harmonics Multilevel Inverter using SPWM', International Research Journal of Engineering and Technology, Vol.7, Issue.3, March 2020.

Ms.S.Varsha, Mr. A.Sathish Kumar, Mr. S. Raghul, Mr.I.Pradeesh and Dr. R. Arivalahan/Associate Professor

## National level Technical Symposium 'EMERGE 2K20'



The Department of Electrical and Electronics Engineering organized the 9<sup>th</sup> National Level Technical Symposium on the 'Emerging Technologies in Electrical and Electronics Engineering' (EMERGE 2K20) on 14<sup>th</sup> February 2020. The Symposium was organized with the primary objective of bringing together the academicians and the practitioners in Electrical and other associated fields on a common platform to share their knowledge and expertise so as to contribute towards research and development in the field. Mr.R.Suryanarayanan, Director of Om Sai Renewable Energy Private Limited was the Chief Guest.

published a paper on 'Load Monitoring System for Diesel Generator using Internet of Things (IOT)', International Journal of Scientific Research and Engineering Development, Vol.3, Issue.2, Mar-Apr 2020.

Mr. M.Hemanth, Mr. K.Edward Irudaya raj, Mr.M.Abubakker Sithik, Mr. M. M.Jenith Ruban and Mr. G.Madhusudanan / AP published a paper on 'Sign Language Recognition System', International Research Journal of Engineering and Technology, Vol.7, Issue.3, March 2020.

Ms.M.Aiswarya, Mr. P.Ajeeth, Mr. A.Arun Prasath, and Mr. G.Madhusudanan/AP published a paper on 'SMS Based Accident Alert with GPS Coordinates', International Research Journal of Engineering and Technology, Vol.7, Issue.3, March 2020.

Ms.Tejeswini.S, Ms.Vedharathna.K, Mr.SharilAhamed.B, Ms.Tharunya.G and Dr.S.Malathi/AP published a paper on 'Utilization of Wind Energy Using Novel Power Electronics Converter for Stand-Alone System', International Journal of Scientific Research and Engineering Development, Vol.3, Issue.2, Mar-Apr 2020.

Ms. Shanmugapriya P, Mr. Vishnu E., Mr. Yukesh R., Mr.Saravanan R and Mr. Rajanbabu.S/AP published a paper on 'Design of Dual Bridge Rectifier for PMSG Variable Speed Wind Energy Conversion System', International Journal of Scientific Research and Engineering Development, Vol.3, Issue.2, Mar-Apr 2020.

Ms P.Divya, Ms. G.Aruna, Mr. B.Ganesh, Mr. VKishore Kumar and Mr. S.Padmanabha Iyappan/AP published a



paper on 'Design of High Gain DC-DC Step Up Converter', International Research Journal of Engineering and Technology, Vol.7, Issue.3, March 2020.

Ms. Varshini Devaraaj, Mr. Venkatesh.K, Mr. Saran Kumar.S, Mr.Parameswar.R and Mr. S.Padmanabha Iyappan published a paper on the 'Smart Library System Management using RFID', International Research Journal of Engineering and Technology, Vol.7, Issue.3, March 2020.

Mr. Kanpath Karan.M, Ms. Maha Ramya.S, Mr.Mailesh.B, Mr. Sham Kumar.K and Mr. Santhosh Kumar.T/AP published a paper on 'RFID Based Smart Electricity Bill Payment and Energy Sharing System through IoT', International Research Journal of Engineering and Technology, Vol.7, Issue.3, March 2020.

Mr. HariKrishnan.S, Mr.Balaji.G, Mr.SathishRaaj.V and Mr. Balaji.S/AP published a paper on 'Smart Gurney System with Remote Knowledge Communication through Cloud', International Research Journal of Engineering and Technology, Vol.7, Issue.3, March 2020.

Ms. Bagavathy V, Mr. Vignesh C, Mr. Venkatesh NR, Mr.Suresh babu R and Ms. R.V.Preetha /AP published a paper on 'Multinomial attendance management system', International Journal of Advance Research and Innovative Ideas in Education, Vol 6.Issue.2, 2020.

Ms. S.Manjuladevi, Mr. V.Gowtham, Mr. P.K.Hrshikesh, Mr.G.Gokulakrishnan and Mr. K.Ragul Kumar /AP published a paper on 'Maximum Power Point Tracking using Perturb and Observe Method', IJARIE, Vol 6.Issue.2, 2020.

Mr. R.Sugumar, Mr. T.Vignesh, Mr. D.R.Surya, Mr.T.Sanjevi and Ms. K.Durgadevi /AP published a paper on 'Real Time Fuel Monitoring System for Diesel Generator using Internet of Things (IoT)', International Journal of Scientific Research and Engineering Development, Vol.3, Issue.2, Mar-Apr 2020.

Ms E. Lakshmi Priya, Ms. S. Mahalakshmi, Mr.M.Gunasekar, Mr. R. Krishnamurthy and Mr.P.Tamilarasan/AP published a paper on 'PRS Nano Uav System', International Research Journal of Engineering and Technology, Vol.7, Issue.3, March 2020.

Mr. G.Nantha Kumar, Mr. M.Prasanna Kumar, Mr.K.Praveen Kumar, Ms. R.Radha and Ms. G.Shanthi/AP published a paper on 'Automatic Library Door Opening System Using RFID', International Journal of Scientific Research and Engineering Development, Vol.3, Issue.2, Mar-Apr 2020.

Mr. R.Ragul Krish, Ms. R.Mahalakshmi, Mr. H.Ruthish kumar, Mr. S.Rishi ram and Ms. R. Elavarasi/AP published a paper on 'MARS Rover by Solar Energy', International Journal of Advance Research and Innovative Ideas in Education, Vol 6.Issue.1, 2020.

Ms. D. Sindhukavi, Ms. J. K. Amuthavalli, Mr.S.Silambarasan, Mr. U. Vijay and Mr.M.Kamalakaran/AP published a paper on 'ICT Enabled Smart Display for Unmanned Railway Level Crossing

Application', International Journal of Scientific Research and Engineering Development, Vol.3, Issue.2, Mar-Apr 2020.

Ms. V. Vasanthi, Ms. M.Vaideki, Mr. J.Rajesh Kumar, Mr.V.Pradeep Kumar and Mr. S.Venkatesh/AP published a paper on 'Multi Parameter Monitoring in Solar Panel with IOT', International Journal of Scientific Research and Engineering Development, Vol.3, Issue.2, Mar-Apr 2020.

Ms. P.Pavithra, Ms. S.Supriya, Mr. S.Sundaresh, Ms.V.Srividya and Ms. A.Dhivya/AP published a paper on 'Design, Implementation and Analysis of Cascaded H-bridge Multilevel Inverter for Wind Energy Conversion System', International Journal of Scientific Research and Engineering Development, Vol.3, Issue.2, Mar-Apr 2020.

## STUDENT AFFAIRS CELL

The Student Affairs Cell of SRM Valliammai Engineering College organized a Seminar on 'Study Abroad' on 09<sup>th</sup> Jan. 2020. The resource persons were Mr.Vijay Kumar Nair and Ms. Reshmy Vijay, Director Education Matters, an overseas education consultancy company, Chennai. A Memorandum of Understanding was signed between SRMVEC and Education Matters for the benefit of the students for higher education.

Ms. Reshmy Vijay, Director, Education Matters along with her team members delivered a lecture 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, Singapore, US, Ireland and other European countries to the 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 other Staff of different departments organized the programme effectively. The students clarified their doubts regarding entry criteria, fee structure and Scholarship details from the resource persons. Totally, 66 students from different departments participated and benefited by the Seminar.

The Student Affairs Cell of SRM Valliammai Engineering College organized an awareness Seminar on Health Insurance Schemes on 05<sup>th</sup> Mar. 2020 for the benefit of faculty members of all departments.

Mr. V. Senthilnathan, Divisional Manager, Star Health and Allied Insurance Company Ltd, Ms. K. Renuka, Asst. Manager CUB Ltd and Mr.R. Karthick, Relationship Manager CUB Insurance delivered a seminar on the health insurance availability for tax saving and for secured covering against medical expenses to the staff. They briefly explained the schemes and their benefits for income tax saving.

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, 19 staff members from different departments participated and benefited from the Seminar.



Dr. Komala James, Head/Prof received a grant of Rs.17,60,000 from AICTE MODROBS Scheme to modernize and remove obsolescence in the Laboratories and Workshops, also to enhance the functional efficiency of Technical Institutions for Teaching, Training and Research.

The Second year students attended a Guest Lecture on 'Applications of Random Processes' which was conducted by Dept of Mathematics, SRMVEC on 10<sup>th</sup> February 2020 at MBA Seminar Hall. The Chief Guest Dr. B. Krishna Kumar, Prof, Dept of Mathematics, College of Engineering Guindy, Chennai delivered lecture on Random Processes and its solving methods.

As a part of Institutional Social Responsibility (ISR) activity, the faculty members and students donated wheat to orphanage.



Wheat donation to orphanage

The project titled 'Non Complex Physical Energy Transmission' has been selected for 'Students Projects 2019-20' for the Financial Assistance from the College Management. Mr. S. Siddharth, Mr. S. Sathya Narayanan, Mr.N. Tajuddin under the supervision of Mr. C. Saravana Kumar, AP have put forth the project.

Dr. Komala James, Prof & Head and Mr. S. Marirajan, AP & Industrial Visit Coordinator signed a memorandum of Understanding (MoU) with PanTech Solutions Pvt Ltd (Pantech Prolabs India), Chennai to establish official partnerships.



MoU with PanTech Solutions Pvt Ltd (Pantech Prolabs India), Chennai

## Awards

Dr. B. Chidambararajan, Principal & Prof received the National Level Prestigious Professional Award called 'CSI Chapter Patron' for the year 2019-20. He has also received the award called 'Faculty with maximum Publication in CSI Communications' during 53<sup>rd</sup> Annual Convention held between 16<sup>th</sup> January and 18<sup>th</sup> January, 2020 at KIIT University, Bhubaneswar.

Ms. N.Subhashini, AP presented her Ph.D. Public Viva-voce on the 'Maximization of Network Capacity in Self Configurable Wireless Sensor Networks' on 10<sup>th</sup> March 2020 under the supervision of Dr. M. Murugan, Prof & Vice Principal.

Mr. D. Murugesan/ AP helped to conduct District Skill Competition-2019 in Electronics on 22<sup>th</sup> January 2020 at EDC Laboratory and shortlisted candidates were felicitated by Dr.Komala James, Prof & Head and the Personnel group of Tamil Nadu Skill Development Corporation, Kanchipuram division.



District Skill Competition-2019 in Electronics

Mrs. S. R. Preethi presented her Ph.D thesis synopsis on 'Low Power Expending System using Internet of Things for Lighting and Video Surveillance Automation' on 3<sup>rd</sup> February 2020 under the supervision of Dr. M. Murugan, Prof & Vice Principal.

Dr. Komala James, Prof & Head presented an awareness lecture on Novel Corona Virus (2019-nCoV) for the faculty members to take care of themselves from Corona virus disease on 12<sup>th</sup> February 2020.



Awareness lecture on Novel Corona Virus (2019-nCoV)



## SRM VEC NPTEL Local Chapter

Muthu Ganesh.K, M.E Civil Engineering topped in two subjects Geosynthetics Testing Laboratory and Design of steel structures Online and received the NPTEL Stars category award from NPTEL, IIT Madras during July-December 2019.

Dr. Radha Ganeshkumar, HOD/MBA and Mr. Sam Paul B/AP, MBA department were the topper in 'Leadership' course during July-December 2019.

Mr. R Nagaraj/AP/ECE was the topper in Digital Circuits Online during July-December 2019.

115 Staff Members and 22 students received the NPTEL online certificates during July-December 2019. Among which, courses of 70 Staff Members were certified for NPTEL-AICTE Faculty Development Programme.

Dr. M. Anbuezhayan received the Appreciation Award for SPOC by SRM Valliammai Engineering College on 25th January 2020 by NPTEL at IIT Madras, Chennai, for being an active NPTEL Local Chapter during the period July-December 2019.

Mr. A. Sattainathan Sharma /AP/Civil and Ms. Shenbagavadivu/AP/IT received the Mentor Awards in the NPTEL Local Chapter in July-Dec. 2019.

Totally 214 (55 faculty and 159 students) have registered in NPTEL online examination for this semester Jan-April 2020 sessions.

On behalf of Students Affair Cell, Dr. N. Usha Bhanu, Prof and Mr. R. Nagaraj, AP coordinated a seminar on 'Health Insurance Schemes' for the faculty members of all the departments. The personnel from City Union Bank Ltd, Chennai delivered the benefits and scheme details on 5<sup>th</sup> March 2020.

Dr. Komala James, Prof & Head inaugurated the 'CSI Day Celebration' in association with CSI Kanchipuram Chapter on 6<sup>th</sup> March 2020 and the college alumnus were felicitated with memento during the event.



'CSI Day Celebration'

Mr. G. Sankar babu, Mr. G. Sakthiraj and Mr. R. Bala Yogesh second year students, secured the second place in the state level Inter College Tamil Drama Competition organized by Tamil Literary Association at St. Xavier College of Arts & Science, Palayamkottai on 7<sup>th</sup> January 2020.

Mr. G. Sankar babu, second year student delivered a speech on the 'Pandigaigal namakku Kondattama?

Dhindattama?' in the 'Pongal Dhina Sirappu Pattimandram' organized by Vendhar Television and SRMVEC on 6<sup>th</sup> January 2020.

Mr. G. Sankar babu, second year student received excellent speaker award in the 'Tamil Traditional and Cultural Festival' organized by Truclu Media & Marketing Solutions on 5<sup>th</sup> January 2020 at Annamalai Hotel, Coimbatore.

As part of memory of Poet Thiruvalluvar, Tamil Development Department, College of Engineering Guindy, Anna University, Chennai conducted a Tamil Speech Competition on 10.02.2020 during this ceremony Mr. G. Sankar babu, second year student participated and secured the first place at the moment.

Mr. G. Sankar babu, second year student secured the Second Prize in the event Tamil Poem Writing and Individual Acting (60 sec of fame), also he received the third prize in speech among the Inter Collegiate Tamil Art & Literature Competition at Pachaiyappa's College, Chennai held on 15<sup>th</sup> February 2020 organized by GREEN VIBES-2020, Chennai.

Mr. G. Sankar Babu, Mr. G. Sakthiraj, Mr. R. Bala Yogesh and Mr. K. Sridhar second year students secured the first place and won the Overall Trophy in the Inter College Tamil Drama Competition held on 15<sup>th</sup> February 2020 at Pachaiyappa's College, Chennai organized by GREEN VIBES-2020, Chennai.



Won the Overall Trophy in the Inter College Tamil Drama Competition

Mr. G. Sankarbabu, second year student secured first prize in Inter Collegiate Tamil Art & Literature Debate Show competition at Tamil Cultural Festival on 23.02.2020 organized by Madras Institute of Technology, Chennai.

Mr. G. Sankar babu, Mr. G. Sakthiraj, Mr. G. Chandru, Mr. R. Sivasakthi, Mr. Anton Michael Saghay, Mr. K. Vishal and Mr. M. Vignesh second year students secured the first place in the Inter Collegiate Tamil Drama Competition at Tamil Cultural Festival on 23<sup>rd</sup> February 2020 organized by Madras Institute of Technology, Chennai.

Mr. Yarnagula Mohan Kumar, second year student and Mr. Pilli. Vijayakumar, first year student won the Silver Medal in the Anna University Inter Zonal Ball Badminton (Men) Tournament organized by J.J. College of Engineering & Technology on 20<sup>th</sup> & 21<sup>st</sup> January 2020.

Mr. S. Subash, third year student won the first prize in the event 'Face to Face' in the 14<sup>th</sup> National Level Technical



Symposium 'McAdroit 20' held on 3<sup>rd</sup> January 2020 at Easwari Engineering College, Chennai.

Mr. S. Vishnu second year student attended photography workshop on 'Basics of Photography' led by Mr. Srinatsan Shankaran, Founder and CEO of Madras Photo Bloggers organized by Lensation - Official Photography Club of SRMVEC on 5<sup>th</sup> February 2020.

The Second and Third year students put up stalls to practice business techniques in the 'Bazaar 3.0' in association with Institutions Innovation Council organized by Dept of MBA and Entrepreneurship Development Cell, SRMVEC on 12<sup>th</sup> & 13<sup>th</sup> of March 2020.



'Bazaar 3.0'

Ms. K. Karthika and her team members participated an 'Intra-College Technical Contest Mini Project Expo' in association with CSI Students Branch to develop Prototype Model in any domain of Hardware and Software on 13<sup>th</sup> March 2020.

Third year section A students accompanied by Mr.C.Saravanakumar, AP, Mrs. K. Sobana, went on an Industrial visit to National Atmospheric Research Laboratory (NARL), Gadanki, Tirupathi, Andhra Pradesh to engage fundamental and applied research in the field of Atmospheric Sciences.

The Second year Sec C students accompanied by Mrs.R.Birundha, AP, Mr. M. A. Seenivasan went on an Industrial Visit to Tamilnadu Co-operative Milk Producers Federation Limited, Sholingnallur, Chennai on 6<sup>th</sup> February 2020 to gain awareness about the milk processing and minerals mixing in the Dairy products.

The Second year sec A students accompanied by Mr.S.Marirajan, AP and Ms. S.Abirami, AP went on an



Industrial Visit to State Forest Research Institute (SFRI), Chennai

Industrial Visit to State Forest Research Institute (SFRI), Chennai to sensitize their skills on Biodiversity in the country accounting for animal & floral wealth and recognized research in developing forest conservation on 20<sup>th</sup> February 2020.

As part of the EAC programme, 95 students went on an Industrial Visit to Sakthi Transformers, Chennai, to enrich their knowledge on the coil windings and applications of step Transformers in the industrial areas. The students were accompanied by Mr.S.Senthilmurugan, AP, Ms.K.Sobana, AP, and Ms.S.Abirami, AP.



Industrial Visit to Sakthi Transformers, Chennai

Mr. C. Saravanakumar, AP, Dr. N. Usha Bhanu, Prof and Dr.G.Themozhi, Prof published a paper on the 'A Competent Multiplier Architecture with Reduced Transistor Count for Radix-2 Butterfly Computation of Fast Fourier Transform' in the Test Engineering & Management journals ISSN: 0193-4120, pp.1577-1581, in March-April 2020.

Mrs. S. R. Preethi/AP and Dr. M. Murugan/Prof published a paper on 'The Cognitive Approach in Cloud Computing and Internet of Things Technologies for Surveillance Tracking Systems' in the Journals and books of Academic Press in March 2020.

Dr. S. Ramesh/ Asso Prof published a paper on the 'Compact Fractal wearable Antenna for Wireless Body Area Communications' in the International Journal of Telecommunications and Radio Engineering, Vol.79, no1, pp.71-80 in February 2020.

Totally 45 batches of final year students' project work have been completed with the following parameters such as social relevance, innovation, uniqueness, creativity and demonstration and their works have been published in various International and National Journals as well as Conferences in the Academic year 2019-20.

A Seminar was conducted on 'Antenna Design Tools' in association with ISTE & IETE Students' forum on 24<sup>th</sup> January 2020. The Chief Guest Mr. K. Karthikeyan, Application Engineer-HFSS, Entuple Technologies, Bangalore delivered a lecture on prominent Antenna design tools and their usage in current scenario to improve students skills to attain significant jobs in the future. The programme was organized by Dr. S. Ramesh/Asso. Prof. and Mrs.R.Birunda / AP.



A Board of Studies meeting was conducted on 25<sup>th</sup> January 2020. Dr. Komala James, Prof & Head explained the Academic curriculum & syllabus for Autonomous 2019 regulation. The External and Internal BOS members attended the meeting and provided valuable suggestions.



Board of Studies meeting with External and Internal BOS members

An Expert lecture was conducted on the '5G Networks' in association with ISTE & IETE students forum on 7<sup>th</sup> February 2020 to enhance students learning and understanding capabilities in wireless communications. The Chief Guest Dr. T. Elavarasan, AP, School of Electronics Engineering, VIT, Vellore delivered a lecture about Model and Simulate 5G Design and its advantages & disadvantages among the current technologies.

A Three - Day Entrepreneurship Awareness Camp (EAC) was conducted for the students to develop their Entrepreneurship Skills between 9<sup>th</sup> and 11<sup>th</sup> March 2020 with sponsored by DST NIMAT Project 2019-20. The Speakers Mr. G. Balaji, Managing Director, Suba Solutions Pvt. Ltd, Mrs.S.Anuradha, Director & CEO, Kyros Technologies Pvt. Ltd, Mr. R.Chandra Prabhu, Asst Director, MSME Department, Mr.R.Subramoni, Sr Mgmt Professional, Chennai gave presentation on the Identification of Business opportunities, Mechanisms of product selection, How to start a SSI Unit and Schemes & Support available from Government Agencies and Banks. Mrs. Sheeba Manodh/ AP and Mrs. M. Chitra/ AP emphasized the importance of Communication skills as well as Creativity and Business Intelligence during their presentation. The programme was coordinated by Mr.S.Senthilmurugan, AP, Mr. A. Pandian, AP and Mrs.K.Sobana, AP.



Entrepreneurship Awareness Camp (EAC)

## National level Technical Symposium 'TARAS 2K20'



The National Level Technical Symposium TARAS 2K20 was conducted on 15<sup>th</sup> February 2020 in association with ISTE & IETE Students Forum. The Student officials of TARAS 2K20 delivered the welcome address and highlighted the Symposium events. Dr.Komala James, Prof & Head delivered the presidential address and explained about students' dreams and job opportunities. The Chief Guest Mr. Sriram Parasuraman, Automotive Marketing Manager, Microship India Pvt Ltd, Chennai pointed out the relationship between the people who help the students career growth in the students. The programme was coordinated by Ms. K. Arthi/ AP and Mr.M.A. Seenivasan, AP.

The Dept level Project Expo 2020 was coordinated by Dr.J.Mohan/Asso Prof to scrutinize the students' innovative ideas and project implementation skill on novel topics. Eventually three projects were shortlisted to the next level by the panel members Dr.S.Ramesh, Asso Prof, Dr.J.Mohan/Asso Prof and Mr. C. Saravana Kumar/ AP on 12<sup>th</sup> March 2020.



Dept level Project Expo 2020

The best project titled 'Meticulous Segregation of Dry and Wet wastes from the Garbage using Robotic Arm' has been selected out of three shortlisted projects based on presentation, individual and team contribution, ability to respond the queries and Innovation. The panel members of Project Exhibition Day-2K20 were Dr. H. Krishnan, Prof & Head Physics, Dr. L. Devaraj Stephen/ AP & Head Chemistry, Dr. R. Karthick/Asso Prof EEE, Dr. Komala James/ Prof and Head on 13<sup>th</sup> March 2020.

### EDITORIAL

The Chief Editor : **Dr. B. Chidambaram 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





**W**omen's Day 2020 was celebrated in a grand manner by the women of SRM Valliammai Engineering College. The event was organized by the final year girls along with their team of co-ordinators. The event began with a cooking competition for the teaching staff from various departments. They participated with a lot of enthusiasm and prepared a variety of dishes which impressed the judges, Mr.Gopinath, Chef SRM Hotel Management & Dr.H.Krishnan, Prof. and HoD, Physics. Various competitions were conducted for the teaching staff, non-teaching staff and students. There

was a solo classical dance, a group dance and a meaningful medley by the singers representing women. The MBA girls performed a 'Corporate Walk' representing how women dress up in the corporate world. The MBA staff also performed a very relatable skit showing the beautiful relationship between a mother in law and daughter in law. The Physics department staff played an enthralling video depicting the role of women of SRM Valliammai Engineering College. The event was celebrated as an all women event including photographers and coordinators. It was a celebration of womanhood.

## Pongal Celebration

Vallinam and Paarivendhar Tamil Mandram organised the pongal celebration in our college. The campus was transformed into a traditional environment, with bullock cart ride, tractor decorations; traditional dance, kolam competition, uri adithal, paandi aattam, and all varieties of traditional sweets were served. Specially prepared sweet pongal and sugarcane were distributed to all. A thematic Pongal display contest was held among all the departments. IT Department and Civil Department won the I and II Prize respectively.



## Department of Electronics & Instrumentation Engineering

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

A Guest Lecture on 'Recent Trends in Instrumentation' on 9<sup>th</sup> January 2020. Mr. Nathan Kannan, Vice President, Positive Naick Analytics, was the Resource Person.



Guest Lecture on 'Recent Trends in Instrumentation'

A Guest Lecture on 'Recent trends in Control Engineering' on 11<sup>th</sup> March 2020. Mr. Satish Ramachandran, Co-Founder/CTO - Armored, was the Resource Person.



Guest Lecture on 'Recent trends in Control Engineering'

A Workshop on the 'Emerging Trends in Industrial Automation' on 13<sup>th</sup> March 2020. Mr. A. Parthiban, Team Lead-Business Development, Lema Labs, Incubated at IIT, Chennai, was the Resource Person.





Workshop on the 'Emerging Trends in Industrial Automation'

The Dept. in association with the ISA VMEC Student Charter and ISTE, Entrepreneurship Development Institute of India, Ahmedabad and National Science & Technology Entrepreneurship Development Board, DST, Govt. of India organized a three - day Entrepreneurship programme from 11<sup>th</sup> to 13<sup>th</sup> February 2020.

The Third Year U.G students (Section-2) visited Aavin Milk Processing Plant, Ambattur on 14<sup>th</sup> February 2020.



Industrial Visit to Aavin Milk Processing Plant, Ambattur

The Second Year U.G students visited Sakthi Transformers, Thirumudivakkam, Chennai on 22<sup>nd</sup> February 2020.



Industrial Visit to Sakthi Transformers, Thirumudivakkam, Chennai

Dr. S. Visalakshi/ head, Balavignesh M, Chockalingam G, Jayasuriya V, and Karthikeyan S, final year students applied a patent 'Smart Helmet with Augmented Reality for Energy Industries' in Intellectual Property India (IPI), Application no: 202041006868, Issue: 18 Feb 2020

Dr. R.Umamaheswari/ AP, P.S.Chandru, R.Karkilan, C.Loga Prakash, and V.Mohan Kumar of final year applied a patent 'Novel Method of Aqua Condensation using Renewable Energy' in Intellectual Property India (IPI), Application no: 202041006863, Issue: 18 Feb 2020

## National level Technical Symposium 'ORKESTRIM '20'



The Department of Electronics and Instrumentation Engineering in association with ISA VMEC Student Charter & ISTE Student Chapter conducted a National Level Technical Symposium "ORKESTRIM '20" on 21<sup>st</sup> February, 2020 outlining the theme of 'Calibrating Ecosystem'.

The invocation began and was enlightened with a prayer. A welcome address was delivered by Student Vice President, Mr. Manoj Anand followed by which Presidential address was delivered by Vice Principal Dr. M. Murugan who kindled the minds of students with knowledge and power. The chief guest was honoured by Vice Principal with a bouquet and memento. The innovations, creativity and ability of students were driven out by the release of souvenir. The inaugural address was delivered by chief guest Dr. J. Jayapandian, Head and Scientific Officer-H(Retd), IGKAR, Kalpakkam and guided students about the ongoing trends and relish the young minds. Vote of thanks was delivered by Student Secretary, Mr. K. Sriram Kumar.

Students across various reputed colleges from India, participated and presented papers about the latest technology inventions and were promising seeds for the future electronics. Innovating minds and speaking potentiality was brought out by students and benefited other individuals to gain knowledge. Many events were conducted in the Symposium, which brought sparkling minds of students and interactions. Surprise Event was conducted and it knocks the brains with mutual interactions. A very interesting circuitrix and power debugger was conducted which bowled off the minds of students with plenty of codes.

The symposium ended with Prize Distribution by HOD-Dr.S. Visalakshi and Ms. K. Rathna Priya A.P and Mr. G. Shiva A.P, Symposium Coordinators.

Asuntha and Dr. Andy Srinivasan / AP published a paper on 'Deep Learning for Lung Cancer Deduction and Classification' in Multimedia Tools and Applications, 02 January 2020.

Dr. S.C.Prasanna / AP and Krithiga R, of final year student presented a paper on 'Autonomous Electronic Guiding Stick using IoT for the Visually Challenged' in International Conference on Modelling, Simulation and Intelligent Computing (MoSICoM presented 2020) at BITS Pilani, Dubai Campus, January 2020.

The Faculty and final year students published papers in the following journals as follows.



International Research Journal of Engineering and Technology

Mr.G.Shiva,Sree Dharshana J, Srinath Y, Surya Kumar K, Yuvashri S, published a paper on 'IOT Based Low Cost Vehicle Monitoring and Alert System', Volume: 07 ,Issue: 03, March 2020

Ms.M.Shanthi,V.V Santhosh Kumar, S.Seenuvasan, S.Shajith Baig, T.Vimalesh, published a paper on 'IOT Based Poultry House Monitoring System', Volume: 07, Issue: 03, Feb 2020

Mr.B.Parameswaran ,T.S Praveen,C. Pravin Kumar,S.K Sabare Hare, S.K Sangaiya Gurunathan, published a paper on 'Advanced Flood Level Monitoring and Alerting System', Volume: 07,Issue: 03, Feb 2020.

International Journal for Research & Development in Technology

Dr. Andy Srinivasan, Adithiya Vikram.V ,Ashwin.B, Gokulakrishnan.S, Midhun.K, published a paper on 'Method of Analysis on Fruits Nutrients', Volume: 13 ,Issue:3, March, 2020.

Mr.C.Praveenkumar, S.Aishwarya, A.Froila, S.Megala, K.Logappriya, published a paper on 'Advanced Security System using Raspberry-PI', Volume-13, Issue-2, February-2020.

International Research Journal of Modernization in Engineering Technology and Science

Mr.P.Tamilmani, M.Praveen, D.Santhosh Sivan, M.Sheik Razeeq, D.Vetrivel, published a paper on 'Design of Radiation Monitor for Nuclear Powerplant', Volume:02, Issue 03, March 2020.

Ms.M.Ramjanbegum,, S.Chandra Mouli, T.Gowtham, published a paper on 'Design and Development of Dual Axis Control Robot for Writing through Speech Recognition', Volume:02, Issue:03, March 2020.

Dr. S.C.Prasanna J.Naveen, A.Pavithra, C. Ranjana Sree, S.Shalini, published a paper on 'Real Time Air Quality Monitoring System Using Unmanned Aerial Vehicle', Volume:02, Issue 03, March 2020.

Mr. P.Tamilmani, J.Kaarunyarachagan, A.Mohamed Safan, K.Mohan Varma, K.B.Narendiran, published a paper on 'Lumen Power Production', Volume:02, Issue:03, March 2020.

International Journal of Advance Research and Innovative Ideas in Education

Mr.K.R.Ganesh,S.Navabharathi, S.Padmadevi, R.Vishnu Priya , published a paper on 'Digital Dermatology: Skin Disease Detection using Image Processing', Volume: 06, Issue: 02, Feb 2020.

Dr.K.Ayyar,S.Praveena,H.Reshma Fathima,S.Thanuja,B.Vinodhini, published a paper on 'Gamifying the Water Conservation', Volume: 06, Issue: 02, Feb 2020.

Dr. K.Ayyar, J.Jerbin, S.Manoj Anand, G.Kishore, M.Luqmaan, published a paper on 'Autonomous Navigation System for Pilotless Maneuvering of Vessels through Restricted Waters', Volume: 06, Issue: 02, Feb 2020.

Dr. Andy Srinivasan, W.Selviya, M.Shobana, M.Shanmuga Sundari, S.Supriya, published a paper on 'Human Safety in Mining using Wireless Sensor Network', Volume: 06, Issue: 02, Feb 2020.

Ms. S.Vanila, V. Diviyapriya , R. Maria Lurd Steffy , J. Monisha, published a paper on 'Design of Precised Anesthesia Injector', Volume: 06, Issue: 02, Feb 2020.

Ms.K.S.Jaibhavani, V.Abimanyu, J.Chandran, P.Guru Vishnu, R.Hari Krishnan, published a paper on 'Energy Harvesting in Piezoelectric and Vibration Techniques', Volume: 06, Issue: 02, Feb 2020.

M s . V . P . S a n d y a , S a n j a y . S , S a r a v a n a n . S , Satheesh.S,Yaziniyan.R, published a paper on 'Iot based Saline Infusion Monitoring and Control System', Volume: 06, Issue: 02, Feb 2020.

Ms.V.Mangaiyarkarasi,M.Raghavan,J.Nivas,N.Rishi vaishnav,M.Sai Ganesh, published a paper on 'Advanced Driver Assitance System', Volume: 06, Issue: 02, Feb 2020.

Ms.K.S.Jaibhavani, C.Christina Gunaseeli, A.Karthick, T.Kaviya, D.Kiruthigha, published a paper on 'Waste Heat Recovery using Thermoelectric Generator from an Engine', Volume: 06, Issue: 02, Feb 2020.

Ms.K.Rathna Priya,B.Petchimuthu, E.Ramjee, K.Selvaganapathy, S.Shanmugaraj, published a paper on 'Iot based Traffic Signal Control System for Ambulance', Volume: 06, Issue: 02, Feb 2020.

Dr. S.Visalakshi,R.Prasanna Kumari, B.Suvedha, S. Yamine, published a paper on 'Women's Safety System using Ibeacon Technology', Volume: 06, Issue: 02, Feb 2020.

Mr.N.Sowrirajan, M.Abizeka, S.Divya, M.Gokulalakshmi, T.Kadalselvam, published a paper on 'Smart Voting System through Face Recognition', Volume: 06, Issue: 02, Feb 2020.

Dr.S.C.Prasanna Arshiya Tabasum.G, Krithiga.R, Lakshmi.R, Lalithapriya.A, published a paper on 'Autonomous Electronic Guiding Stick using IOT for the Blind', Volume: 06, Issue: 02, Feb 2020.

Ms.M.Ramya Princess,Nivetha.A, Pavithra.P, Ramesh Aravind.V, Rishigha. J, published a paper on 'Human Less Farming', Volume: 06, Issue: 02, Feb 2020.

C.Teja Swaroop, T.Vignesh, M.Vishnu Prasad, S.A.Vishwa , Mr. R.Issan Raj, published a paper on 'Automatic Vehicle Number Identification using Digital Image Processor (Dip)', Volume: 06, Issue: 02, Feb 2020.

Mr.V.Sureshkumar ,Sruthi Lakshmi.R, Ram Pradeep.R, Sivaramam.R, Poomani.R, published a paper on 'Design of IOT Based Smart Stretcher for Monitoring Mobile Patients', Volume: 06, Issue: 02, Feb 2020.



## Youth Red Cross

A First Aid training programme for the volunteers who would take part in the Mahindra World City (MWC) Marathon, was conducted at the EEE Seminar Hall on 23<sup>th</sup> Jan. 2020. The Expert Trainer Mr.Parthasarathy, from the Siksha team of MWC gave practical training on life saving measures and also lectured on various First Aid tips.



SRMVEC YRC in association with Chengalpet Head Post Office organized an Aadhaar Correction Special Camp from 23<sup>th</sup> to 25<sup>th</sup> Jan. 2020 during the Academic Year 2019-20.



The students who were trained in First Aid measures, volunteered in the Marathon conducted at the Mahindra World City on 2<sup>nd</sup> Feb 2020

A Photographic Competition was conducted on the topic 'Social Responsibility of Women' on 6<sup>th</sup> March 2020.

A programme was conducted on 'Prevention of Sexual Harrassment, Ragging and Career Guidance for Women' on 11<sup>th</sup> March 2022.



## Placement & Career Guidance

Totally 24 companies visited and 73 students were selected between January and March 2020.

Aptitude and Softskills training programme was conducted for 2nd & 3rd year students on 07.03.2020 & 14.03.2020 for two days by Mercury Skills Enrichment Academy.

## Department of Information Technology

Rs. 3 Lakhs has been sanctioned for the programme titled 'An Intelligent Based Internet of Things' as part of the AICTE-ISTE Induction/Refresher programmes. Dr.A.R.Revathi, Asso. Prof. Was the coordinator for the programme.

A Guest Lecture on 'Scheduling' was organized on 16<sup>th</sup> March 2020 for the second year students. The Resource Person was Mr.Ashwin Kumar, Accenture, Chennai and the coordinators were Ms.R.Thenmozhi, A.P. and Dr.S.Narayanan, A.P.



Guest Lecture on 'Scheduling'

A one- day 'Project Expo 2020' was organized on 13<sup>th</sup> March 2020.

The details of the Industrial Visit to the companies are as follows.

'Infoziant IT Solutions, Chennai' on 12<sup>th</sup> March 2020 for II year IT-1 students.



'Image Creative Pvt. Ltd., Chennai' on 27<sup>th</sup> Feb 2020 for III year IT-2 students.





'CIRF, Chennai' on 21<sup>st</sup> Feb 2020 for the III year IT-1 students.



'Kaashiv Infotech, Chennai' on 20<sup>th</sup> Feb. 2020 for the II year IT-2 students.



A value added course was organized from 05.02.2020 to 24.02.2020 for the students and staff members, the Resource Persons were Ms.Surabi, A.P., Dept of GE and Mr.R.Sankaranarayanan, A.P., Dept of IT and the coordinator was Ms.K.Mohanambal, A.P.

A Seminar on 'Cyber Safety' was organized on 10<sup>th</sup> Feb 2020 for the final year students and the Resource Person was Mr.E.R.Ramesh, Sr. Project Manager, US Technology International Pvt. Ltd., Chennai and the coordinators were Mr.R.Sankaranarayanan, A.P. and Mr.G.Vivekanandan, A.P.



Seminar on 'Cyber Safety'

8 students from final year have been placed in companies like Innive, NSEIT Ltd., Atos Syntel and CSS Corp.

A one - day workshop on '3-D Printing Technology' was organized on 21<sup>st</sup> Jan. 2020 .The Resource Person was Dr.P.S.Venkateswaran, National Technical Manager, ARK Solutions Pvt. Ltd., Chennai and the coordinators were Ms.R.Thenmozhi, A.P. and Mr.R.Sankaranarayanan, A.P.



Workshop on '3-D Printing Technology'

## National level Technical Symposium 'xploitS-2K20'



A one - day National Level Technical Symposium 'xploitS-2K20' was organized on 22<sup>nd</sup> Feb 2020 and the Chief Guest was Mr.Sivasankar Ramamurthy, Technical Lead, Zebra Technologies (Formerly Motorola Solutions), Bangalore and the coordinators were Dr.S.Jeyalakshmi, A.P., Ms.R.Lakshmi, A.P. and Mr.K.Elaiyaraja, A.P.

Dr.A.R.Revathi, Asso.Prof. received 'Faculty with Maximum Publications' award from Computer Society of India, January 2020.

Ms.R.Thenmozhi, A.P., was the key speaker in the 'Patti Mandram' conducted by Vendhar TV in association with SRM VEC, January 2020.

Mr.R.Sankaranarayanan, A.P., was the Resource Person in a guest lecture on 'Sonar and Radar in CATC19' at RDC, Marina Training Camp, Chennai.

Dr.A.R.Revathi, Asso. Prof. and Ms.Rajalakshmi.P, III year, published an article titled 'Computer Assisted Education' in CSI Communications, January 2020.

Dr.A.R.Revathi, Asso. Prof., Ms.Rajalakshmi.P and Ms.Shwetha.M, III year published an article titled 'Big Data: A Technical Approach' in CSI Communications, March 2020.

Dr.A.R.Revathi, Asso. Prof. published a book chapter titled 'Review of Intellectual Video Surveillance through Internet of Things' in the 'Cognitive Approach in Cloud Computing and Internet of Things Technologies for Surveillance Tracking System', March 2020.

Ms.Kiruthika.P, III year published an article titled 'Research Challenges and Automated Tools in Big Data Analytics' in CSI Communications, March 2020.



Mr. Vishweshwaran.R, III year, won a cash prize Rs.2500 in 'Hackathon' competition held from 20<sup>th</sup> to 21<sup>st</sup> Feb. 2020 at SSN College of Engineering, Chennai.

The final year IT students have published 26 papers in various journals including 'International Journal of Advance Research and Innovative Ideas in Education (IJARIIE)', 'International Journal of Engineering and Technology (IRJET)' and 'International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)'.

Ms.Kiruthika.P, III year presented a paper on 'Cybercrime and Cyber Security-A Statistical Analysis' in a three day International Conference on the 'Digital Democracy IT for Change' from 16.01.2020 to 18.01.2020 at Kalinga Institute of Industrial Technology, Bhubaneswar, Orissa, India.

Mr.R.Harish Kumar, IV year won the first prize on Code Combat (Debugging) in National Level Technical Symposium on 10<sup>th</sup> Jan. 2020 at Jeppiaar Engineering College, Chennai.

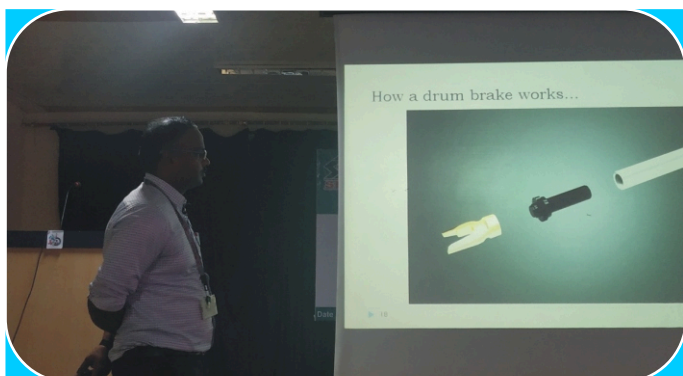
## Department of Mechanical Engineering

A Guest Lecture on 'Finite Element Analysis' for the third year students on 25<sup>th</sup> January 2020. The chief guest Mr.K.V.Dhayaanidhi, CAE Engineer, PHA India Pvt.Ltd., Sriperumbudur delivered his lecture on the following topics: Introduction to FEA, 1-D element, 2-D element, Pre-Processor, Post processor and Meshing applications in Automobile components. The lecture highlighted the innovations in recent technologies in structural and design in components.



Guest Lecture on 'Finite Element Analysis'

A Guest lecture on 'Advanced IC Engines Brake system Design and Latest Trends' conducted on 6<sup>th</sup> March 2020. The



Guest lecture on 'Advanced IC Engines Brake system Design and Latest Trends'

chief guest Mr. Prasad Arun Kumar, Lead Engineer, Mahindra & Mahindra, spoke on 'Advanced IC Engines-Brake System Design and Latest Trends'. The presentation focussed on the recent trends in the Industries like, IC engine Design, ABS, EBD, Drum and Disc Brake Comparison.

A Three - day SAE ADC-2020 Final event was held at Bannariamman Institute of Technology, Sathyamangalam from 28<sup>th</sup> Feb to 1<sup>st</sup> March 2020. Our team successfully completed the registration technical inspection and got approval for the flying round. With a payload of 2.625 kg, our airplane model took off and landed successfully after completing three consecutive laps in air. Our team got the first position in technical presentation out of 150 teams.



First position in technical presentation

A three - day 'Entrepreneurship Awareness Camp' was conducted from 12<sup>th</sup> March 2020 to 14<sup>th</sup> March 2020. 75 students registered for the camp. The chief guest Mr.M.Boopathy Managing Director, Adhiam Thermal System and Solutions Pvt ltd, Chennai. The chief Guest inaugurated the program and spoke on the following topics Entrepreneurship -General Concepts, Historical background of Entrepreneurship & Present scenario. The afternoon session was handled by Ms.Sujaya Rao, Co-Founder and COO, Future Edu, an educational service company, Chennai, who covered topics on Identification of Business opportunities & Mechanism of product selection and Technology Assistance from R&D labs & other institutions on choice of technology. She added points on the reality of entrepreneurship and the adventure in entrepreneurship. Mr.Prabhudhas, CEO, V Equal IR T &C Service Mogappair, Chennai was the chief guest on 13<sup>th</sup> March 2020 forenoon session. He gave a lecture on Communication for better results in Creativity and Business intelligence. In afternoon session, the participants along with four faculty members went for industrial visit to Dev Systems (P) Ltd, 14 Kannan Koil Street, Pattaravakkam Chennai-98. There, they were given exposure about advanced hydraulic System design and testing & commissioning. The third day's forenoon session was handled by Dr.E.Bhaskaran, Deputy Director, Entrepreneurship Development & Innovation Institute, He educated students on 'How to start an SSI unit' General concepts about the Government formalities rules and regulations. He focussed on the Technical & commercial aspects of SSI units including project report. The afternoon



session was handled by Mr.K.Balasubramanian, HOF, TTC, Chennai, who spoke about solar power and its application in day to day life.



'Entrepreneurship Awareness Camp'

Mr.R.Srinivasan, Asst Prof (Sr.G) and Dr.S.Thirugnanam, Professor published a paper titled 'Mechanical properties of hybrid fiber reinforced epoxy composites' in I-manager's Journal on Mechanical Engineering, Vol. 10 1 No. 1 1 November 2019 - January 2020.

Dr.K.Sivakumar, Asso. Prof., Mr.M.S.Mahavishnu, Mr.K.Karthik and Mr.K.Sampathkumar paper accepted for publication titled as 'Dual Fuel Mode Engine using Hydrogen with Aqua Silencer' in International Journal of Emerging Technology and Advanced Engineering E-ISSN 2250-2459, ISO 9001:2008 Certified Journal, Volume 10, Issue 2, February 2020.

## National level Technical Symposium 'MEQNZO 2020'



A National Level Technical Symposium MEQNZO '2020 was on conducted 20<sup>th</sup> February 2020. Technical events like Paper Presentation, Business Plan, Machinist, RC Racing, Robo War were conducted. About 30 papers on diverse topics encompassing Manufacturing, Design and Thermal Engineering topics and recent Trends in Mechanical Field and other technical topics were received for the conference from reputed institutes across the country. The chief guest, Mr.Balaji Swaminathan, Director of RamBoll Pvt. Ltd Chennai highlighted the importance of organizing such symposia for the benefit of student community as well as the faculty and also emphasized the importance of renewable sources of energy.

## Lensation (Photography Club)

Lensation (Photography Club) of SRM Valliammai Engineering College along with Madras Photo Bloggers organized the first campus photo walk at SRM IST on February 19<sup>th</sup> 2020. The very purpose of the photo walk was to promote mobile photography. It was a creative event at which the participants got an opportunity to learn the fundamentals of composition, rule of third and aspect ratios. The participants explored the extremes of mobile photography.

## Department of Management Studies

Dept. of Management Studies, in association with the Institution Innovation Council (IIC) an MHRD initiative and funded by the same, organised the First Lecture Series 'Innovation'. The session was held on 13<sup>th</sup> March 2020. Dr.J.Vasantha Kumari, POSH Committee Member and Trainer addressed the students. A total of 278 students from various streams of engineering and MBA participated and benefitted from the lecture.



IIC Lecture Series : Innovation

Dept. of Management Studies, in association with the Institution Innovation Council and Entrepreneurship Development Cell organised 'Bazaar 3.0' on 12<sup>th</sup> and 13<sup>th</sup> March 2020. The initiative provided an opportunity to the students for learning business practices.



'Bazaar 3.0'

Dept. of Management Studies organised a one-day National Seminar titled 'Export Marketing Innovation: Paradigms in Digital Economy', in association with the Institution Innovation Council on 2<sup>nd</sup> Mar. 2020.



Dr.K.Selvakumar, Managing Director GKR Exports, Coimbatore inaugurated the seminar and addressed gathering.



National Seminar titled 'Export Marketing Innovation: Paradigms in Digital Economy'

As a part of the Institution Social Responsibility drive, the MBA Students club 'MANASSO' organised a 'Wheat Bucket' collection drive. Students, teaching and non teaching staff of the institution donated 800 kilograms of Wheat that was distributed to 6 orphanages and old age homes.



'Wheat Bucket' collection drive organised by 'MANASSO'

A Management Development Programme on 'Prevention of Sexual Harassment at Workplace' was organised for the corporates on 22<sup>nd</sup> February 2020 by the Dept. of Management Studies, in association with Indian Society for Training and Development (ISTD), Chennai Chapter. Dr. Ragavi Senthil Kumar, POSH, Certified trainer, Government of India, delivered a lecture on 'Brief analysis of the POSH Act 2013'. Dr. Vasantha Kumari, freelance motivational speaker, delivered lecture on Analysis of Behaviour, Work place culture, ethics, and morale. In the afternoon Session, Dr. Vasantha Kumari, delivered a lecture on Formation of Internal Committee (IC), Drafting the Harassment Policy for the Organization, IC Responsibilities,



Industrial visit to M/s. Modern Bakers Madras Pvt. Ltd

Procedures to conduct enquiry Meetings, Live examples and Case Studies.

49 students of the First year MBA went on an Industrial visit to M/s. Modern Bakers Madras Pvt. Ltd on 7<sup>th</sup> February 2020. Students had real time exposure to production and manufacturing process that helped in enhancing their knowledge towards business operations.

A Guest Lecture on 'Diagnostic Tools for Consulting' was organised by the Dept. of Management Studies on 31<sup>st</sup> Jan. 2020 for the First year MBA students. Mr. Krishnan, Founder, Thara Consulting was the resource person. The lecture was focused towards imparting knowledge on diagnostic tools such as McKinsey way, Porter's five forces, Boston Matrix, Value chain analysis, Benchmarking and Balance score card, McKinsey 7S and Gartner Score card.



Guest Lecture on 'Diagnostic Tools for Consulting'

An alumni talk was arranged for the First Year MBA Students on 20<sup>th</sup> January 2020. Mrs. Madhumitha Ravi, Regional HR Manager South, Kuehne Nagel Logistics Pvt. Ltd Chennai, Alumni of VEC 2006-08 batch, addressed the students and shared her career experience and emphasised on preparation for campus placements.



Alumni talk for the First Year MBA Students

Dr. Radha Ganeshkumar, Head of the Department and Mrs. A. UmaDevi, Assistant Professor, Dept. of Management Studies participated in a two - day 'Innovation Ambassador Training Series Program' organised by the Institution Innovation Council - MHRD Innovation on 8<sup>th</sup> and 9<sup>th</sup> January 2020. Dr. Abhay Jere, Chief Innovation Officer of MHRD Innovation Cell, Govt. of India emphasized that the objective of the programme is to create Innovation Ambassadors in institute that have IIC, to develop in-house mentor capacity of IIC faculty member to develop skills on 4 themes- Design



Thinking and Innovation, Entrepreneurship Development Program, IPR and Technology Transfer and Pre-incubation and Incubation Management.



'Innovation Ambassador Training Series Program'

## Department of General Engineering

Dr. D. Sridevi, Asst. Prof (Sr.G) published a research paper titled 'Training and its impact on the Attitude of Employees of IT Companies in Chennai' in the research journal 'Journal of Critical Reviews', Vol 7, issue 1, January 2020 along with Dr.M.Ganesan @ Kanagaraj.

Dr. D. Sridevi, Asst. Prof (Sr.G) published a research paper titled 'A comprehensive Realization of Resource Spread Multiple Access/ NOMA performance in 5G' in the research journal 'International Journal of Innovative Technology and Exploring Engineering (IJITEE)', Vol 9, issue 4 , February 2020 along with C.Elaiyaraaja, Dr.C.Amali and Dr.T.S.Geetha.

## SPORTS



Outdoor Fitness Park was inaugurated by Dr.T.P.Ganesan, Director, SRM VEC, in the presence of Dr.B.Chidhambararajan, Principal, SRM VEC, Dr.M.Murugan, Vice Principal, SRM VEC, HoDs, staff and students of SRM VEC on 23<sup>rd</sup> January 2020.

Dr.N.Ganapathy, Director of Physical Education, SRM VEC, was one of the Selection Committee Member for Anna University Sepak Takraw (Men) Team Selection (nominated by Anna University Sports Board) held at Eswari Engineering College, held on 12<sup>th</sup> January 2020.



Men's Ball Badminton team won the Silver Medal in Anna University Inter Zonal Ball Badminton Men Tournament organized by J.J.College of Engg. & Tech., Trichy held on 20<sup>th</sup> & 21<sup>st</sup> January 2020.

Mr.M.Sathish Kumar, I-MBA, was selected and represented the College in Anna University Ball Badminton (Men) Team and he participated in All India Inter University Ball Badminton (Men) Tournament organized by Mangalore University, Mangalore, held from 29<sup>th</sup> Jan to 2<sup>nd</sup> 2020.

The Department of Physical Education organized the Annual Day Students Sports Events for the academic year 2019-20.

Dr.N.Ganapathy, Director of Physical Education, SRM VEC, published a research paper titled 'Effect of specific aerobic and specific anaerobic exercise on selected biochemical variables of adult obese men' in an international journal, Global Journal for Research Analysis, Vol.9, Issue 2, Feb. 2020.

Ms.K.Jeevitha, IV-Civil participated in 10KM Madras Inner Strength Marathon Female Open Category and won First Place Rs.5000/- Cash Award, held on 16<sup>th</sup> February 2020.



# Computer Society of India

The Computer Society of India Kancheepuram Chapter in association SRM VEC CSI Student Branch organized the CSI Chapter Level Student Convention on 06<sup>th</sup> February 2020 at SRM Valliammai Engineering College. Around 270 participants from more than 25 Engineering Colleges took part in the event. The event was inaugurated by Dr.T.P.Ganesan, Director, SRM Valliammai Engineering College. Dr.B.Vanathi, HOD/CSE, welcomed the participants gathered. The Vice Chairman of CSI Kancheepuram Chapter, Dr.Rajeswari Mukesh briefed the audience about the CSI Student Convention Event and about the active participation of students and staff members of the CSI Kancheepuram Chapter.



The Chapter Chairman Dr.B.Chidambararajan, Principal SRM VEC elaborated on the vital role played by the chapter in the CSI activities and mentioned that the CSI Kancheepuram Chapter had received more than 10 awards in the 53<sup>rd</sup> CSI Annual Convention held at Bhubaneswar on 16<sup>th</sup> and 18<sup>th</sup> January 2020. He also encouraged the active participation displayed by the colleges of the CSI Kancheepuram chapter. The overall event was organized and coordinated by Dr.M.Senthil Kumar, Secretary, CSI Kancheepuram Chapter

SRM VEC CSI Student Branch in association with CSI Kancheepuram Chapter organized a School Orientation Programme on IoT for the school students on 8<sup>th</sup> February 2020 at SRM Valliammai Engineering College. 144 students of XI and XII standard from Govt. Hr. Sec. School, Singaperumal Koil participated in the programme. The programme was inaugurated with a Technical talk by Dr. B.Vanathi, Head/Dept. of CSE by delivering the importance the various emerging technologies in the field of computer science. Dr.M.Senthil Kumar, Associate Professor/Dept. of CSE made a presentation on IoT which was interactive.

The CSI Kancheepuram Chapter, in association with SRM VEC CSI Student branch organized the CSI Day Celebration on 6<sup>th</sup> March 2020 at SRM Valliammai Engineering College under the guidance of Dr.B.Chidambararajan, Chairman, CSI - Kancheepuram Chapter. 333 students from various Engineering colleges participated in the event.

The special address was delivered by Ms. S. Sruthi, Ex-President of CSI & Alumni of CSE, in her address,

shared her experience as a CSI President. The event was coordinated by Dr.M. Senthil Kumar, Secretary, Kancheepuram Chapter, SRM VEC, Dr. S. Ravikumar, CSI Coordinator SRM VEC and Mr. V. Santhana Marichamy, CSI Coordinator -SRM VEC.



The SRMVEC CSI Student Branch organized an Intra college technical contest (Project Expo) on 13<sup>th</sup> of March 2020, which kindled the innovative spirit of the students.



More than 40 teams participated and displayed their technical skills. Staff members from different departments evaluated the projects and gave valuable feedback to all the teams. The top 6 teams were selected.



Dr.B.Chidambararajan (Principal, SRMVEC) and Dr.B.Vanathi (HOD, Department of CSE) encouraged the students to try out their dreams. The guidance of CSI Staff Coordinators Dr. M. Senthil Kumar/Associate Professor, CSE, Dr. S. Ravikumar /AP, IT and Mr. V. Santhana Marichamy/AP, General Engineering was the key factor success of the project expo.



## Department of Physics

A Guest Lecture was delivered by Dr.A.Jestin Lenus, Associate Professor, Department of Physics, College of Engineering Guindy, Anna University, Chennai on 'Recent Trends in Optoelectronic Devices' on 3<sup>rd</sup> March, 2020.



Guest Lecture on 'Recent Trends in Optoelectronic Devices'

Dr.K.Thiruppathi participated in two days training programme on 'Essentials of Optical and SEM Analysis (EOSA-2020)' organised by Anna University, MIT Campus, Department of Science and Humanities on 31<sup>st</sup> Jan & 1<sup>st</sup> Feb, 2020.

Dr.H.Krishnan attended the 'Sensation Workshop' on 'Initiative for Technical Teachers' Training' conducted by NITTTR, Taramani, Chennai in partnership with AICTE on February 20, 2020.

## Department of Mathematics

The Mathematics Association 'Euler.com' organized a Guest Lecture on 'Application of Random Processes' on 10th February 2020 for the II year ECE students. The lecture was delivered by Dr.B. Krishnakumar, Professor, Department of Mathematics, College of Engineering Guindy, Anna University Chennai.



Guest Lecture on 'Application of Random Processes'

Dr.S. Chitra, HOD/AP and Mrs. N. Prabhavathy,/AP published a paper on 'Vertex Edge and Equitable Vertex Edge Domination of Topologically Indexable Graphs', in the International Journal of Scientific Research & Engineering Trends, Vol. 6, No1, Jan-Feb 2020.

A.Karpagam/AP and Dr.V.Vijayalakshmi/AP published a paper on 'Fuzzy Cubic Spline Interpolation with Triangular Fuzzy Numbers', in the International Journal of Recent Technology and Engineering, Vol. 8, No5, Jan 2020.

Dr.S.Chitra, HOD/AP and Ms. N.Prabhavathy/AP published a paper on 'A Study of Perfect Edge, Perfect Edge Covering and Perfect Edge Vertex Domination Sets in Graphs', in the International Journal of Research and Analytical Reviews, Vol. 7, No 1, Feb 2020.

Ms. B.Vasuki/AP presented a paper on 'Face Antimagic Labeling of Cycle and Path Related Graphs' in the International Conference on Mathematical Computer Engineering ICMCE 2020 on 21<sup>st</sup> February 2020 at Vellore Institute of Technology, Chennai.

The Mathematics Association 'EULER.COM' organized 'MATHFEST 2020' on 16<sup>th</sup> March, 2020 for the first year B.E., B.Tech. students. The events conducted were Olympiad, Puzzles, Paper Presentation, Poster Presentation, Quiz and Mathematical Modeling. The MATHFEST started with Olympiad followed by Puzzle in which around 200 students participated. Many of the students presented their paper which focused on the application of mathematics in Engineering, Technology and Medicine. Eight teams presented their posters portraying the application of the mathematics in various fields. The applications include the application of differential equations in pathological diseases and Brahmagupta Mathematics. Dr.S.Chitra, HOD/Maths gave away the prizes to the winners during the valedictory function.



'MATHFEST 2020'

## Department of Chemistry

Dr. M. Soundarrajan/AP, Dr. L. Devaraj Stephen/AP, V. Arivalagan/AP and Dr. S. G. Gunasekaran/AP published a paper on 'Nanotitania Reinforced Imine Skeletal Maleimido Terminal Phenylene Core Polybenzoxazine (nTiO<sub>2</sub>/PBZ) Nanocomposites' in the International Research Journal of Engineering and Technology, Vol. 07, pp. 866-874, Jan. 2020.

Dr. L. Devaraj Stephen/AP, Dr. S. G. Gunasekaran /AP, V. Arivalagan/AP and Dr. M. Soundarrajan/AP filed a patent in IPR on 'Crystal Engineering Towards Active Pharmaceutical Cocrystal Pyrazine Carboxylic Acid: A Speciation Approach' on 24<sup>th</sup> February 2020.



The Department of Chemistry organized a Guest Lecture on the 'Disaster Management' on 04<sup>th</sup> March 2020. Dr.S.Revathi, Assistant Professor, Department of Chemistry, Anna University was the Resource Person.



Guest Lecture on the 'Disaster Management'

In the International Conference on 'Emerging Trends in Materials for Energy and Biological Applications' (ICEMEBA 2020) organized at M. Kumarsamy College of Engineering, Karur, on 7<sup>th</sup> March 2020, the Staff Mentioned below presented papers.

Dr. L. Devaraj Stephen/AP presented a paper titled, Heavy Metal Complexes Wastewater Treatment with  $\text{CoIII}(\text{pn})_2\text{Cl}(\text{L})_2+$  Photoreduction - An Chelation Precipitation Approach

Dr. N. Jayaprakash/AP, presented a paper titled, Synthesis, Characterization and Biomedical Applications of  $\text{CuO}$  nanoparticles

Dr. M. Soundarrajan/AP presented a paper titled, Chromium (VI) and Cadmium (II) ions Adsorption from Water

Dr. S. G. Gunasekaran/AP presented a paper titled, Nanosilica reinforced Pyrenyl Pendant core Imine Skeletal Polybenzoxazine ( $\text{nSiO}_2/\text{PBZ}$ ) Nanocomposites

Dr. J. Krishnamurthi/AP presented a paper titled, The Detection and Removal of Fluoride Ion by Anion-Responsive Polyelectrolyte Polymer Gels

Dr. P. Maheswari/AP presented a paper titled, Preparation and Characterization of PEES/nano-Silver Nanofiltration Membranes

Mr. V. Arivalagan/AP presented a paper titled, Structurally Designed Pyrenyl core Ether linked Nanosilica reinforced Polybenzoxazine ( $\text{nSiO}_2/\text{PBZ}$ ) Nanocomposites as Water Repellent Coatings

Ms. M. Meera/AP presented a paper titled, Cardanol Pendent Thiophenyl End Capped Imine Skeletal Nanotitanium Reinforced Polybenzoxazine ( $\text{nTiO}_2/\text{PBZ}$ ) Nanocomposites from Cashewnut Wastes.

The Dept of Chemistry and Physics jointly organized an Elocution Competition and Paper Presentation (Resonance 2020) on 13<sup>th</sup> March 2020 for the First Year B.E/B.Tech students under the auspices of the Physical Sciences Club.

## Value Added Courses

Value Added Courses were planned and conducted outside regular hours on optional basis for the year 2019-2020 for Odd and Even Semester. This is to provide an opportunity to the students to choose the courses for enhancing their technical skills. The courses are expected to bridge the perceived technical competency gaps and to improve the employability prospects of the students. Students and Staff from various department enrolled in the courses. 9 courses were conducted during the Odd Semester and 254 students participated in it and for the Even Semester 8 courses were conducted and 271 students participated in it. The courses were pertaining to all the branches.

The FOSS Courses from IIT Mumbai in this current semester has raised the standards by roping in 8 courses sponsored by the IIT Mumbai, Google and Ministry of HRD. The courses offered by IIT Mumbai Free Open Source Software had enrolled 336 students in Odd Semester and 220 students in the Even Semester.

## Department of English

The first session of the Oratorical Competition under the auspices of 'Burke Club' was held on 10<sup>th</sup> Feb. 2020. This competition was held exclusively for the first year students. They participated actively and exhibited their oratorical skills. The winners were rewarded with prizes & certificates.

Ms. M.Chithra, Head Dept of English and Ms.Sheeba Manodh (Sr.G) Asst Prof were the resource persons for the Entrepreneurship Awareness Camp organised by the EIE department on 13<sup>th</sup> February 2020 and the ECE department on 11<sup>th</sup> March 2020.

Linguathon a series of competitions Phase 2 was conducted on 21<sup>st</sup> February 2020. The competitions held were Just A Minute, Photography and Making of Short films. The Alumnus of our college, Mr Aravind Sekar, Cloud Tech Support Associate, Accenture, who is also a free lance photographer and Ms.A.L. Devapriya, Test Engineering Analyst, Accenture and an upcoming short film actress were the judges for photography and short film competition respectively.



Above: Oratorical Competition organised by 'Burke Club';  
Below: Linguathon a series of competitions



The NSS unit of SRM Valliammai Engineering College in association with SIMS Hospital organized a Blood Donation Camp at SRM Valliammai Engineering College on 10.01.2020 to raise awareness for the blood donation and to help for the insufficiency of blood. A team of doctors and nurses of SIMS Hospital were involved in collecting blood. 182 participants were cooperated actively in the camp.

Dr. B. Chidhambararajan, Principal inaugurated the camp by encouraging the first donor. Donors underwent the medical checkups and were given ample time to convalesce before they left the camp. The contact details of the donors were taken so as to allow them to donate blood at the earliest to the Blood bank.

At the end 150 units of blood were collected in the College with perfect hemoglobin level. The blood units were carefully sealed and transported. The donors received certificates of appreciation and refreshments as a token of gratitude.

As science communication review competition was held on 24.01.2020 in Vivekanadhar Auditorium, Anna University, Guindy, Chennai. NSS Volunteers from different Colleges under Anna University participated in this event. Kalaimamani Dr. Cheyon coordinated this function. 43<sup>rd</sup> issue of Ariviyal Poonga was released by Dr.E.Balaguruswamy, former Vice-Chancellor, Anna University.

17<sup>th</sup> 'Ariviyal Kalanjiyam' awards were given to Dr.E.Balaguruswamy, Dr.Saathik, Dr.M.Jawaharlal, and Mr.K.Sritharan. An Inter-Collegiate Science Communication Review Competition was conducted. Dr.S.Saathik, former Vice-Chancellor, Madras University distributed the prizes. Our NSS Volunteer K.Dheeraj of II Mechanical, won the second prize named 'Arivu Kathir'.

Dr.D.Elango, HOD/Civil was the Chief Guest. He unfurled the National flag. After the National Anthem, the parade by the NCC cadets was presented. The chief guest addressed the students and urged them to do their best and feel proud to be an Indian. The students presented cultural items which included patriotic songs, folk dances and speeches. An awareness skit was also performed by the NSS team.

India celebrates Martyrs' Day or Shaheed Diwas every year on January 30. The day is chosen to honour our brave martyrs who laid their lives for the country. After observing silence for two minutes as a mark of respect for the freedom fighters, the NSS volunteers administered the anti-untouchability pledge to the students, marking the observance of 'Martyrs Day' on 30<sup>th</sup> January 2020.

S.Parthasarathy, NSS Programme Officer gave an awareness speech on novel coronavirus in the presence of Principal, Vice-Principal and all the heads of the departments on 10<sup>th</sup> Feb. 2020. He explained the symptoms, transmission and prevention of corona virus with a power point presentation. He demonstrated the dos and don'ts for keeping the disease at bay. Finally the awareness programme ended with the clarification of doubts from the audience.

As per the email communication received from the Directorate of NSS, New Delhi, forwarded by SLO, the NSS Coordinator of Anna University had assigned the duty of receiving the Hon'ble Youth Affairs & Sports Minister, Shri Kiren Rijiju to the NSS Unit of SRM Valliammai Engineering College on 21<sup>st</sup> Feb. 2020 in the Chennai International Airport. The Regional Director, SLO and the NSS coordinator of Anna University were also part of welcoming ceremony. It was a great honour and privilege to welcome the Hon'ble Minister Shri Kiren Rijiju on behalf of the state NSS.

The NSS unit of SRM Valliammai Engineering College in association with 'Habitat for Humanity India' organised a special camp to reconstruct, renovate and revamp dilapidated homes under the theme of 'Renovating Homes of Citizen below Demarcation' at Irullar Colony, Periya Putheri village, as suggested by BDO, Kattankulathur Panchayat Union from 07-03-2020 to 13-03-2020. The main aim was to improve the quality of life of the citizens below demarcation through the NSS special camp. On the last day, the renovated homes were handed over to the respective owners in the presence of the Principal, Vice-Principal, HoDs, teaching faculties of SRM Valliammai Engineering College and the representatives of Habitat for Humanity India' at around 5.30pm. A tree was planted in each home by the students. The hard work of the students was much appreciated by the gathering.







On 28<sup>th</sup> January 2020, Puthiya Thalaimurai in association with SRM Valliammai Engineering College organized 'Vetrippadikal' 2020 for the +2 students. The Chief Guest Dr.Soma Valliappan, writer and corporate trainer emphasized that the students should not focus only on Government sectors but they could also try to groom themselves to become successful entrepreneurs. He also advised the students to work with perseverance to enlighten their lives in the competitive world, which inspired many minds. After that, the subject experts offered guidelines to score high marks in the public examination and come out with flying colours in their +2 examination.

## Adopting Uniformity



**A**dapting is a unique quality that calls for change and innovation. To make a difference in the regular uniform, lady staff have chosen to wear coats on Wednesdays to strike commonness and casual look for uniformity of work with a different outlook.



# SRM Valliammai Engineering College

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