



International Conference on 'Smart Automation' (ICSA - 2K19)



The First International Conference on "International Conference on Smart Automation in Computer, Electrical, Electronics and Communication Engineering" (ICSA-2K19) was held on 6th September 2019. The Inaugural Session of the conference began with the invocation followed by the Welcome Address by the Convener Dr. M. Murugan, Professor & Vice-Principal. Then, Dr. B. Chidambararajan, Principal delivered the Presidential Address. Mr. Arunachalam Jayaraman of M/S. Virtusa. Chennai was the Chief Guest of the function and presented the Keynote Address and stressed on Human relevant change in Intelligent Automation. The Conference Proceeding was released by Dr. T. P. Ganesan, Director, SRM VEC and Pro-VC (P&D), SRMIST. Finally, the Vote of thanks was proposed by the Co-Convener Dr. R. Karthik, Associate Professor of EEE. It was followed by a Plenary Talk by Mr. T. Senthil Kumar, FLSmidth Pvt Ltd., Chennai, who spoke on Industrial Automation and Digitalization.

Out of over 100 papers received, after the careful scrutiny, the expert panel selected only about 40 papers for presentation in the Conference; which were presented in Four Parallel Tracks [ECE, CSE/IT, MECH/CIVIL and EEE/EIE]. The ECE track was chaired by Mr. Arunachalam Jayaraman of Virtusa and Co-chaired by Dr. Komala James, Professor and Head of Electronics and Communication Engineering. The CSE/IT track was chaired by Dr. Arun Sundaraman, MD, Accenture and Co-chaired by Dr. B. Vanathi, Professor and Head of Computer Science and Engineering. The Mech/Civil track was chaired by Mr. R. Mathiyalakan, L&T Construction and Co-chaired by Dr. D. Elango, Head of Civil Engineering. The EEE/EIE track was chaired by Mr. T. Senthil Kumar, FLSmidth Pvt. Ltd. and Co-chaired by Dr. K. Elango, Professor and Head of Electricals and Electronics Engineering. The Best Paper Awards and Certificates were given in each track. ■



Tamil Mandram

Paarivendhar Students' Tamil Mandram and YRC conducted a speech competition for the students of our College on 11.07.19. The winners of this event were awarded prizes by the Government Hospital Guduvanchery.

Mr.K.Sankar Babu, Dept of ECE Second year participated in the Speech Competition conducted by Sriram Illakiya Kazhagam on 27.07.19.

Mr.K.Shanmugam, AP/CSE & Tamil Mandram Coordinator was the Chief Guest of Tamil Peravai inaugural function organized by Vidhya Sagar Women's College, Chengalpattu on 30.07.2019. He inaugurated the function and released the Muthu Chitharal magazine and addressed the gathering.

Paarivendhar Students' Tamil Association/VEC organized a one day tour to visit the Gallery of Pazhanthamizhar Vazhviyal located at the International Institute of Tamil Studies on 31.07.2019 in which the first year students also participated.



Tamil Development Organization, Tamil Nadu Government, conducted District Level Speech, Essay Writing and Poetry competitions for college students on 09.08.19. Mr.K.Sankar Babu, Dept of ECE Second year, won the Third Prize in the Speech Competition and received a cash Prize of Rs.5,000/- and Ms.J.Dharshini, Dept of CSE Second year, won the Second Prize in the Essay Competition and received a cash Prize of Rs.7,000/-

Paarivendhar Students' Tamil Mandram celebrated the 73rd Independence Day and conducted Speech, essay, poetry and debate competitions for the students of our College on 08.08.19. Winners of various events were awarded prizes by the Principal and the Vice Principal on 15.08.2019.

The following students won prizes.

Prize Winners of Speech Competition: First Prize: Mr.K.Sankarbabu-ECE, Second Prize: Ms.K.Abinaya



Sundari, First year/Agri and Third Prize: Ms.R.Pavithra-CSE.

Prize Winners of Poetry Competition: First Prize: Mr.D.P.AAgaya Imaya Varman-EEE, Second Prize: Mr.K.B.Narendran-EIE and Third Prize: C.Shalini-IT.



Prize Winners of Essay Competition: First Prize: Ms.S.Subulakshmi-Mechanical, Second Prize: Mr.G.Sakthi Raj-ECE and Third Prize: Mr.J.Jerfin-EIE.

Prize Winners of Drawing Competition: First Prize: Mr.G.Annamalai, First year/IT, Second Prize: Mr.V.Adhithiya Vikram-EIE and Third Prize: Ms.R.Vishnu Priya-EIE.

Tamil Mandram conducted Pattumandram on the topic **Movie songs make our society better? OR spoil our society?** Mr.K.Shanmugam, AP/CSE acted as the judge for the debate show. M. Sadhana/ECE, Auroshri/IT, R.Aarthiprakash/CSE J.Dharshini/First year-CSE conveyed the moral message that are in movie Songs which make our society better. Ms.K.Abinaya Sundari-First year / Agri, Ms.J.Dharshini-CSE, Mr.K.Sankarbabu-ECE, conveyed the diversions present in the movie songs that spoil our society.

Tamil Development Organization, Tamil Nadu Government, conducted Regional Level Speech



competitions for college students on 06.09.19 and Mr.K.SankarBabu-ECE Second year, won the First Prize in the Speech Competition and received gold medal.

Mr.K.Sankar Babu-ECE, Second year, won the Second Prize in the Poetry Competition organized by Gurunanak College, Chennai on 16.09.2019. Mr.K.Sankar Babu-ECE, Second year, and Mr.G.Sakthi Raj-ECE, Second year won the Third Prize in the Quiz competition.



Senthamizh Manavar Mandram conducted various tamil competitions for college students on 22.09.2019. Our College Tamil Mandram students participated in all competitions and won the over all Trophy.

The following students won prizes

- Mr.K. Sankar Babu-ECE, Second year, won the First prize in Pattimandram, Story telling, Mono acting and Drama.
- Mr.C.Chandru-ECE, Second year, won Second prize in Drawing Competition and won First prize in Drama.



- Ms.Sivasakthi-ECE, Second year, won Third prize in story writing and won First prize in Drama.
- Mr.Anatan Michael-ECE, Second year, won Third prize in singing and won First prize in Drama.
- Mr.G.Sakthi Raj-ECE, Second year, won First prize in Drama.
- Ms.K.Aarthika-CSE, First year won Third prize in Essay Writing.

Mr.K.Sankar Babu-ECE, Second year, participated in the Illanthamilar Illakiya Pairchi Pattari (இளந்தமிழர் இலக்கியப் பயிற்சிப் பட்டறை) from 18.08.2019 to 24.08.2019 at Madurai organized by the Tamil Development Department, Tamil Nadu Government.

Mr.K.Shanmugam,AP/CSE, participated in the 18th Tamil Internet Conference from 20.09.2019 to 22.09.2019 organized by the Anna University, Chennai, Tamil Virtual Academy and International Forum for Information Technology in Tamil (INFITT), US.

73rd Independence Day

On the occasion of the 73rd Independence Day Celebration, our College conducted an Inter College Tamil Competition 'Kanavea Vanthean-2019' for the students of various colleges and for our college students on 14.09.19. The function was presided over by of Dr.T.P.Ganesan, Director of VEC and Pro Vice Chancellor of SRM IST. The function was conducted under the guidance of our Principal Dr.B.Chidhambarajan and felicitated by our Vice Principal, Dr.M.Murugan.

Mr.Nanjil Sampath, film actor and literary speaker was the Chief Guest. K.Sankarbabu, Second year, Dept of ECE welcomed the gathering. Mr.K.Shanmugam, Coordinator of Tamil Mandram briefed the audience about the function. Vote of thanks was proposed by Mr.G.Sankaradass, III year, Dept. of IT. Compeering was done by Ms.J.Dharshini, Second year, Dept.of.CSE and Ms.C.Shalini, III year, Dept. of. IT. About 82 students from other Colleges and 202 students from our College participated in this event. Dr.Komala James, HOD/ECE and Dr.Visalakshi, HOD/EIE of our College acted as the judges for the Pattimandram. Dr. D. Elango, HOD/Civil and Professor N.Lakshmana Perumal, First year Chief Coordinator of our College were the judges for the Speech Competition. Dr.K.Ayyar, Asso.Prof/EIE and Mr. C.Praveen Kumar, AP/EIE were the judges for the Poetry Competition. Mr.G.Vaithiyanathan, AP/Civil, and Mr.K.Arumugam, AP/Mechanical were the judges for the Essay Competition. The winners of various events were awarded prizes.



Department of Civil Engineering

The Students of third year participated in a 'Civil Engineering Interview Essentials Workshop' conducted by Terzaghi Institute, Chennai on 21.07.19.

S.Shakespeare and M.Rubesh of Final year were awarded with certificates for Volunteer contribution in organizing 'Mentoring and Orientation session on IIC2.0 and ARIIA 2020' organized by MHRD's Innovation Cell held at Sri Sai Ram Engineering College, Chennai held on 31.07.2017.

Value Added Course was conducted on 'Numerical Analysis Using Ansys Workbench' from (30/07/19 to 08/08/19 & 03/08/19, 31/08/19) in our Institution. The course was handled by, Mr.G.R.Iyappan, A.P(O.G)-Civil and Mr.A.Sattainathan Sharma, A.P(O.G)-Civil, Mr.S.Bhuvaneshwari, A.P(O.G)-Civil.



Value Added Course was conducted on 'Numerical Analysis Using Ansys Workbench'

Mr.G.Vishwa and Mr.Sudharsannan of Third Year participated in the 'E-Cell Leader Workshop' conducted by CED, Anna University on 01.08.19 & 02.08.19

Students of Final Year Civil were involved in the 'Preparation of Base Map, Property and Utility Mapping and Door to Door survey using Geo Spatial Techniques for Greater Chennai Corporation (GCC)' on internship basis on the project to collect the utility data for 150 wards at the cost of 8000 per 2 Sq.m on 13.08.19. The project cost is 12 lakhs.

Mr.J.Jenubin, A.Aravindhan and N.Joshita of third year participated in 'Concrete Technology Workshop' at ACE TECH FEST'19 National Level Technical Symposium conducted by SRM Easwari Engineering College on 14.08.19.

The students of Final Year UG and PG participated and presented a paper in 'IEI Tamilnadu Centenary Technical Conference on Disruptive Technology and its Application'. Conducted by IEI, Tamilnadu from 19.08.19 to 22.08.2019. 21 students participated and M.Roshini, a student of PG final year secured the runner up position for the best paper.

The students of Third Year and Final Year participated in the 'Orientation program on global study and work Opportunities'. A total of 38 students attended the same conducted by Guru Nanak College, Chennai on 27.08.19.

R.M.Belgin, B.Gokul and K. Balaji participated in a Workshop on 'Total Station and Advanced Surveying' held at Dhanalakshmi College of Engineering on 29.08.2019.

Final year students participated and won prizes in a symposium 'SRUJAN'19' on 30.08.19 held at SRM Institute of Science & Technology, Ramapuram. K.V.Kannan and M.Kalyani Kumar won first and second prize in CAD Contest. T.Lokesh, M.Kalyanikumar, B.Jayachandran won second prize in Dare to Design events.

VEC CSI Student Branch - Technical Contest -Report

The VEC CSI Student Branch organized a Technical Contest for the benefits of CSI Volunteers on 30th of August, 2019 (1.20 pm to 4.00 pm). It was a good way of making the students to know about the growth of technology around them. The event was successfully inaugurated with Tamil Thaaai Vaazhthu. The welcome speech was delivered by C. S. Indhuja (President of CSI VEC-SB). It was a great start followed by prize distribution for the students who had excelled in knowing the growth of technology in the recent times. These students were selected in the competition held on 30th July, 2019 "QUIZZARDS". The prizes were given by Dr.B.Vanathi (Professor & Head, Dept. of CSE).

Two technical contests were conducted with the guidance of Dr. M. Senthil Kumar (Asso. Prof., Dept. of CSE).

The first competition was 'LOGO PLANET', which identified the best 3 team of students who had good knowledge about company logos and the companies. There were three rounds which were logo creation, two shades and hurry for your logo. The first was of creating an own logo based on the participants' creativity, the second round was block and tackle round and the third round was to say the reason behind the logo. More than 40 students participated.



The second competition was 'INNOWIZ'. It had two rounds which were crosswords and adzap. The crossword round made them to know the relativity of computer with other fields and adzap brought out their creativity.

Top 3 teams were selected and more than 90 students participated. Dr.B.Muthu Senthil (Dept. of CSE), Mr. S. Venkatesh (Dept. of CSE), Mr. K. Shanmugam (Dept. of CSE), Mrs. S. Shyamala (Dept. of English), Mrs. Shanthi (Dept. of CSE) judged the events. More than 50 students were benefited by knowing the skill of leadership and team work. The vote of thanks was proposed by G. K. Ambrish (Event Manager of VEC-SB). It was a great pleasure to be a part of the success.

M.Roshini, T.Manbuselvan, S. Sharon Rose, K.Muthu Ganesh, T.Priya, D.Pragathi, M.B.Aishwarya and K.Arthi, Y.Kavitha Jothi students of M.E Structural Engineering participated and presented a paper in the 'International Conference on 'Smart Automation in Computer, Electrical ,Electronics and Communication Engineering (ICSA 2K19)' on 06.09.2019 held at SRM Valliammai Engineering College. K.Muthu Ganesh was awarded first place and T.Manbuselvan secured the third place (Track3: Mech/ Civil).

Dr.D.Elango, Professor and Head,Department of Civil Engineering attended the'Centenary Celebration of Institution of Engineers (India)-Tamilnadu State Centre' at Le Royal Meridian Hotel, Chennai on 13.09.2019.

Department of Computer Science & Engineering

Ms.K.Revathi/JRF and Dr.A.Samydurai/ Asso.Prof., published the following papers,

'Health Trackers in Current Market: A Systematic Review, Trends and Challenges' in the IEEE, 5th International Conference on 'Advanced Computing & Communication Systems' (ICACCS), 2019, doi: 10.1109/ ICACCS.2019.8728461.

- 'Exploiting the Interdependence of Electrocardiography (ECG) with other Physiological Parameters of Human Body in Remote Monitoring System' in the International Journal of Innovative Technology and Exploring Engineering (IJIITEE) ISSN: 2278-3075, Volume-8 Issue-10, August 2019.

- 'A Comprehensive Study on Data Management Solutions to Internet of Things (IOT) Based Applications' in the Springer doi:org/ 10.1007/978-3-030-24643-3_67.

The Departments of CSE received 'Teaching Awards in Engineering' awarded by Staffordshire Univeristy, UK & Education Matters. The Award was presented by the Chief Guest Thiru K.P Anbalagan, Honourable Minister for Higher Education, Tamil Nadu.

Mr.M.Wenkit (IV Year/CSE) student was congratulated by the National Geographic Channel, on achieving the Feat of Best Wild Life Story Teller for Intriguing Vision and Conviction Thought.

Mr.M.Wenkit (IV Year/CSE) student got Internship invitation from the National Geographic Channel for the project 'Maasai Mara Country Park Kenya' with a stipend of Rs. 25\$ per day, for the documentary award.

Mr.S.Arockia Kinsely Felix and Mr.S.Goutham Raj, (III Year/CSE students won the first prize in website testing with a cash prize of Rs 1500/- and won the Second Prize in Quiz with a Cash prize of Rs 500/- in St.Joseph's Institute of Technology on 06.09.2019.

A Value Added course was conducted on 'Industrial Standard Application Development using Java-HTML-Oracle' from 29.07.2019 to 28.08.2019 for the benefit of CSE, EEE & MECH students with a total strength of 29 students.

The Mini Project Expo-2k19, in association with the CSI Student Branch was conducted on 13th Sep 2019 for the CSE Students. Totally, 15 Teams participated in this event.



Mini Project Expo-2k19

A one day workshop was conducted on 'Block Chain Technologies' on 19.07.2019 for the CSE students. The Resource Persons were Mr. K. Aakash, Software Engineer & Blockchain Consultant, Mr.P.Arun, Senior Full Stack Developer from Stigmata Techno Solutions.

A One Day Guest Lecture on 'Cyber Security' was conducted and on 27.08.2019 and the speaker was Mr.Vijayaraja Rathnasamy, Director, Gemicates Technologies.



Guest Lecture on 'Cyber Security'

A one day Industrial training was organized in association with the 'Centre of Excellence in Data Analytics and Machine Learning' for the staff members of CoE-DAML at Clustrex Data pvt. Ltd, Madipakkam Chennai on 20.07.2019.



Industrial training for staff members

An Industrial Visit to UNIQ Technologies was arranged on 19.07.2019. Around 47 Students of II year CSE-2 accompanied by Staff Incharges Dr.V.Dhanakoti and Ms.M.Priyadhashini.



Industrial Visit to UNIQ Technologies

An Industrial Visit to KaaShiv InfoTech was organized on 12.07.2019. 45 Students of II year CSE-1 accompanied by Staff Incharges Mr.N.Leo Bright Tenisson and Ms.S.Benila.

Department of Electrical & Electronics Engineering

Dr. K. Elango, Prof & Head of Dept. of EEE has become a senior member of IEEE Professional Society.

A workshop on 'Electrical AC and DC Drives' was conducted on 12th July 2019. Mr. S. Selvakumar, M.E., Lead Engineer, ABB Global Industries limited, Chennai was the Resource Person.



Workshop on 'Electrical AC and DC Drives'

A seminar on 'Power Factor Improvement Methods of FACTS Devices' was conducted on 9th August 2019. Dr.G.Janaki, M.E., Ph.D., Senior Project Officer, Teaching and Learning Centre, IIT Madras was the Resource Person.

A Guest Lecture was organized on the 'Application of Power Electronics in Power System' on 14th August 2019. The session was presented by the Resource Person Mr. Arun Abhishek, B.E., M.S, Washington State University Pullman, WA, USA, who is the alumnus of our College.



Guest Lecture on the 'Application of Power Electronics in Power System'

Mr. S. Padhmanabha Iyappan, AP (Sr.G) participated in the Faculty Orientation Session on Study Abroad Opportunities in RMK College of Engineering on 26th August 2019.

48 students from the Dept of Electrical and Electronics Engineering participated in the Orientation Program on the 'Global Study and Work Opportunities' at Gurunanak College on 27th August 2019.

As a part of Industry Institute Partnership Cell, Mr.S.Padhmanabha Iyappan, AP (Sr.G) delivered a lecture on the 'Study Abroad Opportunities' for the benefit of III year and IV year students on 3rd September 2019.



Lecture on the 'Study Abroad Opportunities'

As a part of Renewable Energy Club activities, paper presentation on the 'Recent Advancements in Renewable Energy Sources' was conducted on 12th September 2019.



Paper presentation on the 'Recent Advancements in Renewable Energy Sources'

The students of III semester EEE visited Sakthi Transformers, Shree Abirami Engineering Works (SAEW), Sriperumbudur, Chennai on 12th September 2019.



Industrial visit: Sakthi Transformers, Shree Abirami Engineering Works (SAEW)

A Mini Project Expo 2K19 was held on 13th September 2019 in the EEE Department Seminar Hall. The students of II, III and Final year participated and displayed their projects to the External Judge Mr.S.Thamizhvanan, M.E., Alumni-SRMVEC, Internal Judge Dr.K.Elango, Prof & Head-Dept. of EEE and to the students of Dept of EEE.



Mini Project Expo 2K19

The students of V semester EEE2 visited PANTECH Solutions, T. Nagar, Chennai on 13th September 2019.



Industrial Visit: PANTech Solutions, T. Nagar, Chennai

Mr. S.Tamizhvanan and Dr. K. Elango published a paper on the 'Improvement of Transient Stability in HVAC Transmission Line with FACTS Controller', Journal of Adv Research in Dynamics and Control Systems, Vo. 11, 06-Special Issue, 2019.

Fine Arts Club



VECTORIANS Fine Arts Club conducted 'Induction Program' for the 1st year students from 29.07.2019 to 31.07.2019. It laid a platform to identify the inbuilt talents of the freshers in the college.

Students of Fine Arts Club exhibited a dance program on the eve of Vendhar's birthday on 24.08.2019.



On 13.09.2019 events such as composing tunes, fusion music and solo dance were conducted. Students actively participated and the events were judged by senior student members of the Club.

EDITORIAL

The Chief Editor : **Dr. B. Chidhambara Rajan**, Principal, VEC
 Editors : **Dr. M. Murugan**, Vice Principal, VEC
Prof. N. Lakshmana Perumal, Head, Dept. of English
Mr. Abhishek Devid John, Asst. Prof.(O.G), Dept. of English
 Layout & Design : **Mr. T. Elavarasu**, Placement Executive

In the International Conference on 'Smart Automation in Computer, Electrical, Electronics and Communication Engineering' conducted on September 6th and 7th, the following staff and student published papers.

■ Mr. Pandian. A and Dr. G.Udhayakumar on 'Multiple Sclerosis Lesions Segmentation of MR image using Particle Region Growing Algorithm'.

■ Mr. Lokesh.S and Dr. G.Udhayakumar on 'Analysis of QRS Peak and Edge Detection in ECG Signal Using Entropy'.

■ Dr.S.Malathi and Ms.R.V.Preetha on 'A Novel PV Energy Harvesting Using Transformerless PV module by SEPIC Converter'.

■ Dr.R.Arivalahan, Mr.S.Balaji and Mr.P.Tamilarasan on 'Investigation of Genetic Algorithm tuned PI Controller for the Non-Linear Conical Tank Level Process'.

■ Mr.S.Padhmaiahappan, Dr.R.Karthik and Mr.P.Jagannathan on the 'Fuzzy Logic Controller based Dc-Dc Interleaved Boost Converter for a Standalone PV System'.

■ Ms.P.Yamuna, Dr.R.Karthik and Dr.K.Elango on 'Hysteretic Controlled Smart Grid System with Enhanced Response'.

■ Ms.K.Durgadevi, Dr.R.Karthik and Mr.N.Sujith on 'Analysis of Grid Connected PV system using Luo Converter with MPPT for fast dynamic response using Artificial Bee Colony Algorithm'.

■ Mr.R.Rajesh, Dr.R.Karthik and Dr.K.Elango on 'Grid Connected Hybrid based Multi-Input Transformer Coupled Bidirectional DC-DC Converter'.

■ Mr.Liney Ajay on 'Simplification of Multiple Transformers and Reduction of Electrical Wiring'.

Department of Electronics & Communication Engineering

A Part of Second Year students attended a Guest Lecture on 'Linear Algebra', delivered by Dr. L. Jones Tarcus Doss, Prof, Dept. of Mathematics, College of Engineering, Anna University, Guindy on 09.07.2019 at SRMVEC.

The Dept Research & Development Centre is recognized by Anna University to carry out Research work and is renewed upto 2022 during the Academic Year 2019-20.

The Dept Board of studies meeting was held on 22.07.2019 and discussed the UG and PG Curriculum, Regulation & Syllabus with necessary industrial needs for the Autonomous Regulation 2019.

The IETE Institutional Students Forum of Dept of ECE has been adjudged as one of the most active IETE ISF of Chennai Centre for the outstanding and exemplary contribution towards conducting Technical Lecture meetings, workshops, students' paper presentations, National & International Conferences and Industrial Visits during 2018-19. The Trophy & Certificates were awarded by the President at IETE HQ on 21.09.2019 in the IETE Zonal Seminar & ISF Congress.

Dr. Komala James, Prof & Head received the 'HOD of the year Award 2019' by the Institute of Scholars (InSc-Unit of SDPL), Bangalore on 05.08.2019 for the recognition of valuable contribution to the academic community and the students.

Mrs. K. Sobana, AP attended Keysight Academia Symposium covering '5G, IoT, Material Measurement, DC Characterization, RF/Microwave Capabilities, Keysight Teaching Lab Solutions for the Academic & Research' jointly organized by Keysight Technologies & Elmack Engg Services held on July 18, 2019 at Chennai.

Dr. Komala James Prof & Head presented the Project Proposal under Margdarshan Scheme on 18.07.2019 at All India Council for Technical Education Headquarters, Nelson Mandela Marg, Vasant Kunj, New Delhi.

Faculty Members - Mr. S. Marirajan, Mr. A. Pandian, Mr. T.V. Sudhir, AP(s) attended a seminar on the 'Nasscom Futureskills Portal' on 23.07.2019 at CSE Dept, SRMVEC and they conducted a practice session for their colleagues on 26.07.2019.

In the First year Induction Programme 2019, Dr. Komala James, Prof & Head spoke about the Dept and its activities. Ms. Jyothsna Sambasivam the final year student & the Best academic performer motivated the first year students.

Dr. C. Amali, Asst Prof and Dr. S. Ramesh, Asso Prof conducted the First Doctoral Committee Meeting for their Research Scholars respectively,

Mr. N. Kanniyappan, presented on the 'Frequency Selective Surfaces for 5G EMI Reduction' on 01.08.2019.

Mrs. A. G. Sreedevi, presented on the 'Radio Link Performance Analysis and Association Algorithm Implementation for Indoor Device-Device Communications' on 02.08.2019.

Dr. J. Mohan, Asso Prof wrote two technical chapters 'Neutrosophic set in medical image denoising' and 'Optimization based neutrosophic set for medical image processing' and they were published in the book titled 'Neutrosophic Set in Medical image Analysis' edited by Yanhui Guo, Amira S. Ashour released by Elsevier, Academic Press in Aug. 2019.

Dr. N. Ushabhanu, Prof delivered a technical speech on 'Digital Electronics' for the second year students of Dept of ECE, Sri Sai Ram Institute of Technology, Chennai on 30.08.2019.

Dr. Komala James, Prof & Head, Mrs. R. Birundha, AP & Mr. A. Anbarasan, AP faced the External Audit. The members examined the issues related to the academic practices, risks and financial support on 26th and 27th August 2019.

Dr. Komala James, Prof & Head, Mr. C. Saravanakumar, AP & Ms. N. Subhashini, AP mentored the IT and CIVIL Depts in connection with the NBA Accreditation during the Academic Year 2019-20.

As a part of Teachers' Day Celebrations, Dr. Komala James, Prof & Head acted as Jury for the event 'Pattumandram' for the staff and students titled 'Where the students are learning more: Inside the Class room or outside?' organized by Vallinam Valai Oli Alaivarisai (Youtube Channel), SRMVEC on 04.09.2019.

Dr. Komala James, Prof & Head, Mr. M. Selvaraj, AP and Tamil Mandram students attended the programme 'Kaanave Vandhen-2019' on 14.09.2019. The Chief Guest Mr. Nanchil Sampath, rhetoric speaker spoke on the occasion and the event was presided by Dr. T. P. Ganesan, Director, SRMVEC.

Dr. S. Ramesh, Asso Prof attended a two day DRDO sponsored workshop on the 'Challenges & Research Opportunities in Underwater Communication' on 20.09.2019 and 21.09.2019 at SRM IST, Chennai.

'Teaching Awards in Engineering 2014' received from Thiru. K. P. Anbalagan, Hon'ble Minister for Higher Education, TN



It is a privilege and pleasure for our students who secured the top fifty ranks of the Anna University Examinations conducted in 2013. Regarding this, Dr. Komala James, Prof & Head received the 'Teaching Awards in Engineering 2014' from Thiru. K. P. Anbalagan, Honourable Minister for Higher Education, Tamil Nadu on 23.07.2019 at Arignar Anna Arangam, Chetpet, Chennai organized by the Education Matters in partnership with Staffordshire University, UK ■

Dr. Komala James, Prof & Head was awarded the Best ISF Coordinator for organizing Technical Events and promoting the IETE activities during 2018-19. The award was given by the Institution and Telecommunication Engineers, Chennai Center on 21.09.2019.

Mr. Sakthiraj, second year student won third prize in the Quiz Competition (Vinadi vina in Tamil) at the Dept of Tamil, Gurunanak Arts & Science College, Chennai on 16.09.2019.

Mr. S. Chandru, Mr. S. Srinithi and Mr. J. M. Vishnu second year students attended to NCC-NAVAL Unit Camp at INS Shivaji (Lonovala) during 18.08.2019 and 01.09.2019.

As part of Industry Institute Partnership Cell, Ms. R. Karthiga, Mr. P. V. Kesavan third year students attended an Orientation Program on 'Global Study and work Opportunities' at Guru Nanak College, Velacherry, Chennai on 27.08.2019.

Mr. G. K. Ambarish, Ms. R. Karthiga, Ms. A. Lakshmi Praba, Ms. Mythili, Mr. R. M. Vasanth Final & third year students conducted the events Innwiz and logo mania.

Mr. Anton Michael Shagey, Mr. Elumalai second year students competed in the events Crossword, ADZAP and won second place.

Mr. Yarnagula Mohan Kumar and Mr. Md. SK. Zubair Ahamed second year students won Bronze Medal in Anna University Zone IV Table Tennis Tournament 06.09.2019 organized by Prince Dr. K. Vasudevan College of Engg & Tech, Chennai.

Mr. A. Vishal, third year student won first prize on the 'Solo Dance Competition' on 13.09.2019 conducted by Vectorians Fine Arts Club, SRMVEC.

Mr. Yarnagula Mohan Kumar, Mr. Md. SK. Zubair Ahamed second year students and their Team won Gold Medal in Anna University Zone IV Ball Badminton (men) Tournament held on 23.09.2019 organized by SRMVEC.

Ms. Amrutha Devadas, Ms. M. Anupama, Ms. J. Thulasimani, Ms. M. Subethaya, second & third year students and their Team won Gold Medal in Anna University Zone IV Ball Badminton (women) Tournament held on 23.09.2019 organized by SRMVEC, Chennai.

Mr. M. Haran, Ms. Jyothsna Sambasivam, Mr. C. Joseph Larsen, Mr. M. Thirumurugachandar, Mr. K. Naveen final year students got selected in the TCS Drive conducted on 03.08.2019 & 04.08.2019.

Mr. R. Hariharan, Mr. L. Karthikeyan, Mr. N. Minesh Kanna Ram got placed in the Campus Recruitment conducted by Wipro Software Solutions on 12.09.2019 & 14.09.2019.

Mr. D. Murugesan, AP, Ms. N. Subhashini, AP & Third Year students went on an Industrial Visit to the 'Chettinad Health City Hospital', Kelambakkam, Chennai on 30.08.2019.

Mr. S. Senthilmurugan, AP, Mrs. K. Sobana, AP and third year students went on an Industrial Visit to 'Doordarshan Kendra', Chennai on 26.09.2019.

Porselvi R. (Research Scholar) and Dr. M. Murugan co-authored a paper titled, "An Efficient Pilot-Symbol-Aided and Decision-Directed Hybrid Channel Estimation Technique in OFDM Systems Telecommunication Systems, vol. 72, Issue 2, pp. 1-14, 2019.

Dr. M. Murugan co-authored the following International Journal papers:

- Layered Software Architecture for Heterogeneous Distributed Control System Using Hybrid Communication Channel, Journal of Web Engineering, Rinton Press, Inc., United States, Vol. 17, No.6, pp. 2429-2453.

- ICI Mitigation in OFDM System Using Negative Peak Augmented Raised Cosine Power Pulse, Wireless Personal Communication, <https://doi.org/10.1007/s11277-019-06584-8>.

- Socio Realistic Optimal Path Planning for Indoor Real-time Autonomous Robot Navigation, International Journal of Vehicle and Autonomous System, <https://doi.org/10.1504/IJVAS.2019.10021918>.

M. Mayuranathan (Research Scholar), Dr. M. Murugan, Dr. V. Dhanakoti published following papers:

- A Performance Perspective Analysis: A Detailed Vision on Denial of Service and Distributed Denial of Service on Cloud Computing", International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-3, September 2019.

An Intrusion Detection System Using Optimized SVM For Detecting DDoSs In Cloud", International Journal of Scientific & Technology Research (IJSTR), pp. 2814-2919, Vol. 8 - Issue 11, Nov. 2019, ISSN 2277-8616.

Mr. A. Pandian, AP presented a paper on the 'Multiple Sclerosis lesions segmentation of MR Image using Particle Region Growing Algorithm' in the International Conference on 'Smart Automation in Computer, Electrical, Electronics and Communication Engineering' at SRMVEC on 06.09.2019.

Dr. J. Mohan, Asso Prof and his research scholars Ms. M. I. Anju & Ms. R. Geetha presented their research papers in the International Conference on 'Smart Automation in Computer, Electrical, Electronics and Communication Engineering' on 6th September 2019 respectively. The papers were titled as follows:

- FPGA Implementation of Radix 2 FFT Processor based on Cordic Algorithm for Electromyography.

- Spinal Cord Tumor Classification using Deep Convolutional Neural Network.

A Seminar was conducted on the 'Higher Studies and Opportunities after Graduation' for our students on 18.07.2019. Mr. A. Anbarasan, AP delivered welcome address and introduced the Chief Guest Mr. Sateesh Kumar, Business Head, IMS Chennai.



Seminar was conducted on the 'Higher Studies and Opportunities after Graduation'

The Value Added Course was conducted on 'MATLAB & Deep Learning Onramp' and it was handled by Mr. A. Pandian, AP and Mr. C. Saravanakumar, AP during 29.07.2019 and 28.08.2019.

A Workshop was conducted on the 'Networking Tools' for the third year students on 06.08.2019. Ms. T. S. Sheriba, AP delivered welcome address and introduced the Chief Guest Mr. S. Aaja Alavudeen, Senior Project Engineer, Nest lives Pvt. Ltd, Chennai.



Workshop on the 'Networking Tools'

On behalf of the Alumni of VEC, a Guest Lecture was conducted on 'Avoiding Internet Privacy and Cyber Security Concerns' for our students on 27.08.19. Mrs. Indu Nikhil, AP, Alumni Coordinator introduced our Alumnus (2013-16) Mr. Karthik Raghupathy, System Engineer, Prothious Engineering Services.



Guest Lecture on 'Avoiding Internet Privacy and Cyber Security Concerns'

An Expert lecture was conducted on the 'Recent Trends in Embedded System' for our students on 16.09.2019. The Chief Guest Mr. Jishnu, Project Engineer, Pantech Solutions, Chennai elaborated on artificial intelligence, Internet of Things and deep learning networks.

'Mini Project Expo 2K19'



A 'Mini Project Expo 2K19' was conducted on 13th September 2019 for both Internal & External participants (60) to exhibit their talents and keen interest on various projects. The students delivered poster & project presentations with live demonstrations to Project Expo Panel Members Dr.S.Visalakshi, Prof & Head of E&I and Dr. Komala James and the reviewer of the projects. Eventually, the best three projects were selected based on the technical aspects, hardware demonstration and presentation. The event was coordinated by Dr.N.Usha Bhanu, Prof and Mr. C. Saravanakumar, AP.



Department of Electronics & Instrumentation Engineering

The Dept. in association with the ISA VMEC Student Charter organized a Guest Lecture on the 'Automation in Process Control and Instrumentation' by an Expert, Mr.J.Vishnuvardhan, Managing Director, Trend Automation Pvt Ltd., Chennai on 30-07-2019.

The Second Year U.G students of the Dept of EIE visited Chennai Metro Water Desalination Plant, Nemmeli on 02.08.2019.



Industrial visit: Chennai Metro Water Desalination Plant, Nemmeli

The Dept. in association with the ISA VMEC Student Charter, ISTE Faculty & ISTE Students Chapter organized a Mini Project Expo on 13.09.19.



Mini Project Expo

The Dept. in association with the ISA VMEC Student Charter organized a Seminar on the 'Embedded Based System Design' by an Expert, Mrs. C.Komathi, Associate Professor, EIE, Sairam Engineering College, Chennai on 16.09.2019.

The Third Year U.G students of the Dept of EIE visited Technocrat Automation Solutions Pvt Limited, Ambattur on 27.09.2019.



Industrial Visit: Technocrat Automation Solutions Pvt Limited, Ambattur

The Third Year U.G students of the Dept of EIE visited Excel Automation Solutions, Chennai on 12.09.2019



Industrial Visit: Excel Automation Solutions, Chennai

Jerbin J, Manoj Anand S, Hari Krishnan R, Loga Prakash C, Thanuja S and Praveena S of IV year EIE participated in Smart India Hackathon organized from 8th to 12th July 2019 at KIET Group of Institution, New Delhi.

Manju Bargavi S and Daphne Josita Divya J of III year EIE participated in 4th Saeindia Southern Section Aero Design Challenge 2019 organized from 19th to 21st July 2019 at SRM Institute of Science and Technology, Chennai.

Jerbin J IV year EIE, Vimal Rajan B and Ajit S of III year EIE won 2nd prize in Project Expo - National Technical Symposium organized on 26th August 2019 at Sri Sai Ram Engineering College, Chennai.

Youth Red Cross



The Speech Competition to celebrate, the World Population Day, was conducted at, New Seminar Hall on 11.07.19. As a part of the program the volunteers and the officials from GH assembled at the venue and Mr.G.Ananth,the YRC Coordinator welcomed the gathering. The introductory speech was delivered by Dr.B.Ramprasath, of PHC/GH/GDV. Later 11 volunteers started delivering speeches on topics like 'Impact of Population Inflation', 'Women Education' and 'Female Infanticide', The GH official and Tamil Mandram Coordinator Mr.Shanmugam, together judged the event. Mr.G.Sankarbabu ECE-2 II yr. secured First Prize, Ms.J.Dharshani CSE-1 II Yr secured Second Prize and Ms.Arthiprakash CSE-1 IIYr. secured Third Prize. The Hospital Management sponsored the prizes along with a consolation prize. The other participants were given Participation Certificates and Pens. A rally on the topic was also arranged. The YRC Coordinator Mr.Vivekanandan G. finally thanked the gathering.

The YRC conducted a 3 Day Program (29.07.19 to 31.07.19) for the First Years. A First Aid Training Program was organized. The First Aid Wing of IRCS/YRC had deputed 2 expert trainers Mr.Vasundaramani and Mr.Manickam for the training and the 3 different batches of First Year students attended the program and the program was well received. The trainers offered hands on training of various aspects of First Aid to the students.



Jayasuriya V, Karthikeyan S, Chockalingam G of IV year EIE, Manju Bargavi S, Muthu Priya.N, Sri Ram Kumar K, Daphne Josita Divya J and Sri Ram Kumar K III Year EIE participated and secured Faculty Choice Award in the final round of Tech Expo 2019 organized from 29th August to 1st September 2019 at TECHNICHE IIT Guwahati.

Jerbin.J IV year EIE won 2nd prize in Project Expo-National Technical Symposium organized on 3rd September 2019 at RMK College of Engineering and Technology, Chennai.

Sri Ram Kumar K won 2nd place in Intra- College Technical Contest 2019 organized on 4th March 2019 at SRM Valliammai Engineering College, Chennai.

Jayasuriya V IV Year EIE, Sai Kowtham K.R, Muthu Priya N, Sri Ram Kumar K, Bharadwaj S.B, Venkataraman S, Daphne Josita Divya J and Manju Bargavi S of III Year EIE participated in (WRC ROBO RACE) 5th International Robotics League & World Robotics Championship organized from 23rd to 25th September 2019 at New Delhi.

The Faculty published papers in the International Journal of Research in Pharmaceutical Sciences as follows.

Asuntha A, Sree Charan, Siddartha M, Udhaykumar K, Dr. Andy Srinivasan - 'Identification of Diabetics Mellitus using Iridology', Volume 10, Issue 3, Page No. 1821-1823, ISSN: 0975-7538, July-2019.

Asuntha A, Dr. Andy Srinivasan - 'Lung cancer detection using Adaptive Bilateral Filter (ABF) Techniques', Volume 10, Issue 3, Page No. 1857-1860, ISSN: 0975-7538, July-2019.

Asuntha A, Faizy, Rahu S, Akshay Menon, Pranjal, Dr. Andy Srinivasan - 'A Hybrid Feature Extraction Approach for the Detection of Melanoma using Neural Network', Volume 10, Issue 3, Page No. 1836-1840, ISSN: 0975-7538, July-2019.

The Faculties and Students presented papers in the International Conference on Smart Automation in Computer, Electrical, Electronics and Communication Engineering on 6th to 7th September 2019 as follows.

Dr. Andy Srinivasan, Mr. Sowrirajan N- 'Neural Networks based Control of Nonlinear Process'.

Mr. Prakash R, Dr. Ayyar K 'Performance Analysis of Speed Control of Sensorless BLDC Motor using Fractional-Order PID Controller'.

Mahendra Peruman P, Dr. Ayyar K 'A Review of Power Quality Monitoring System based on Fast-Convergent Modulation Integral Observer in Power Electronics Systems'.

Krithiga R, Dr. Prasanna S.C. 'Survey on Navigation Assistance Devices for the Visually Challenged'.

Department of Information Technology

A Value Added Course on 'Mobile Application Security' was organized from 03.08.19 to 10.08.19 for the SRM VEC Students and Staff and the Resource Person was Mr.Giri Veeraraghavan Veda, Director, AURISEG Consulting Pvt. Ltd, Chennai. He also delivered a Guest Lecture on 'Network Security' on 07.08.19 for the III Year students.



Value Added Course on 'Mobile Application Security'

A seminar on 'Java Applet Technology' was organized on 29.07.19 for the second year students and the Resource Person was Mr.C.Bharanidharan, IT Analyst-Java Developer, TCS Chennai.



Seminar on 'Java Applet Technology'

A one day 'Mini Project Expo 2019' was organized on 13th September 2019 and the Chief Guests were Ms.V.Ragavi, Sr.Software Engineer, Mr.K.Someshwaran and Mr.K.Vishwanath employees of TCS, Chennai and the Alumni of Dept of IT, VEC.

A one day 'Educational Awareness Program' on 'Cyber Safety and Security' was organized on 14th August 2019 at Padma Sarangapani Hr. Sec. School, Villivakkam, Chennai.

Ms.S.Shenbagavadivu, A.P, Mr.K.Elaiyaraja, A.P and Ms.S.Sandhya, A.P presented papers on the 'Significance of Data Fusion Algorithms in IoT Environment A Review', 'Distorted Image Registration for Image Fusion A Literature Review' and the 'Image Fusion Techniques for the Hybrid



'Educational Awareness Program' on 'Cyber Safety and Security'

Multimodal Medical Images' in a one day International Conference on the Smart Automation in Computer, Electrical, Electronics and Communication Engineering (ICSA-2K19)' at SRM VEC.

Dr.A.R.Revathi, Asso.Prof. and Ms.M.Shwetha, III year IT, published an article on the 'Digital Learning' in the CSI Communication, August 2019 issue.

Ms.S.Shenbagavadivu, A.P, Ms.S.Sudha, Ms.M.Sujitha, Mr.K.Sujay and Mr.M.Nishanth, IV year IT students, participated in a 'Regional Orientation Session on IIC 2.0 and ARIIA 2020' organized by MHRD's Innovation Cell on 31st July 2019 at Sri Sai Ram Engineering College, Chennai.

Dr.R.Meenakshi, Professor and Head, Dr.S.Narayanan, A.P and Ms.R.Saranya, A.P, participated in a one day 'International Conference on the Smart Automation in Computer, Electrical, Electronics and Communication Engineering (ICSA-2K19)' at SRM VEC.

Mr.R.Harishkumar and Ms.Jaahnavi.G participated and won prize in a symposium event Technical Quiz (NERD WARS) at St.Joseph's Institute of Technology, Chennai.

Five projects have been submitted under TNSCST Student project scheme.

The TNSCST Student project scheme approved a project titled 'Identification of Anonymous Identical users in Multiple Social Media Networks' done by Ms.P.Ananthi, Ms.R.Divya, Ms.C.Lavanya, Ms.K.Livya, students of IT and sanctioned an amount of Rs.4000/-.



The 'BSNL, Maraimalai Nagar, Chennai' on 08.08.19 for the II year IT-1 students.



The 'Doordharshan Kendra, Chepauk, Chennai' on 09.08.19 for the III year IT-1 students.

Industrial Visits



The 'BSNL, Tambaram, Chennai' on 09.08.19 for the III year IT-2 students.



The 'Kaashiv Infotech, Anna Nagar, Chennai' on 08.08.19 for the IV year IT-1 students.

NCC - NAVY



Mr.R.Sankaranarayanan, AP (O.G) /IT has successfully completed his Pre Commission Training Course for Associate NCC Officer (ANO) from 03.06.2019 to 31.08.2019 (90 days) at NCC Officers Training Academy, Kamptee, Nagpur.



Our second year NCC cadets successfully completed the National Technical Camp from 19.08.2019 to 31.08.2019 at INS Valsura, Jamnagar (phase -1 cadets) and INS Shivaji, Lonavala (Phase -2 cadets).



Our NCC cadets successfully completed the 'Tree Plantation' under the swatch pakwada on 13.09.2019 at out college campus.

Our NCC cadets attended the seminar on 'Water Conservation' under the Central Govt. Scheme of 'Jal Sakthi Abhiyan' on 14th September 2019 between 4.15 p.m and 5.15 p.m. in the IT Department Seminar Hall. The Resource Person, Dr. L. Devaraj Stephen, Assistant Professor (Sr.G) & HOD (I/C), Department of Chemistry, SRM Valliammai Engineering College delivered the lecture to the NCC Cadets to create awareness to protect the hydrosphere, to sustainably manage the natural resource, to meet the current and future human demands.

Our NCC cadets participated in Cycle Rally under the Swatch Pakwada on 'Avoid Plastics' on 21.09.2019. In this rally, Our College Principal raised the flag and initiated the cycle rally and 22 NCC cadets along with ANO Sub.Lt.R.Sankaranarayanan participated in the event with enthusiasm. They moved around the college campus and potheri Village and created an awareness about Cleaning India and Avoid Plastics.



Department of Mechanical Engineering

An Industrial visit was arranged for II year students on 12.07.2019 to Vimal Non Ferrous casting, Thirumudivakkam. The Chief Supervisor explained the manufacturing of transformer electrical connector, main box casing and other casting products for TNEB.



Industrial visit: Vimal Non Ferrous casting, Thirumudivakkam.

An Industrial Visit was arranged for II year students on 18.07.2019 to 'L&T Workshop' Kancheepuram. Mr.K.Ganapathy, Manager explained the machineries such as Transit mixer (RRV), max speed 20 kmp Pick and carry crane, Hydraulic sweeping unit, Terex (mass 3050 kg), Hydraulic piling rig-SR 70, Batching plane, Tower crane terex CTT-231, Cement feeding pump, Bagger, Drill tools (500-1500 mm) and Geo structure shop.



Industrial Visit : 'L&T Workshop' Kancheepuram

A Guest Lecture on the 'Basics of Engineering Thermodynamics' was organised for II Year students on

18.07.19. Mr.S.Mehalingam, AGM, Product Development, Ashok Leyland delivered his lecture on the following topics: modern trends and basics thermodynamics in the industry.



Guest Lecture on the 'Basics of Engineering Thermodynamics'

A three-day Aero Design Challenge - 2019 Final event was held at SRM University from 19.07.2019 to 21.07.2019. Our College SAEINDIA VEC Collegiate Club Mechanical engineering students' team VEC AERONS for Regular and TEAM ROGUEHAWKS (Micro Class) official Teams of SRM Valliammai Engineering College participated in the final event and obtained 36th rank out of 146 teams.

An Industrial Visit was arranged for II year students on 02.08.2019 to 'Madras Engineering Industries Pvt. Ltd' Sriperumpudur. The General Manager explained the following sections: Warehouse, Furnace section, Core section, Moulding unit, Moulding sand section, Fettling section and Scrap collection section.



Industrial Visit: 'Madras Engineering Industries Pvt. Ltd' Sriperumpudur.

An Industrial Visit was arranged for III year students on 16.08.2019 to 'Emerald Engineering' Pudupakkam and 'DIAMOND Engineering' Mambakkam, Chennai. Mr.P.Mohanraj, Manager explained the welding and fabrication of petrol refinery components, cement factory components and advanced fabrication processes.



Industrial Visit : 'DIAMOND Engineering' Mambakkam

A three-day Tractor Design Challenge - 2019 Final event was held at SRM University from 22.08.19 to 24.08.19. Our team participated and cleared the following rounds: safety test, noise test, weighing test, brake test, chassis inspection, steering inspection. Our team got valuable inputs from the technical experts from various parts of India.



Tractor Design Challenge - 2019

A Guest Lecture on the 'Design of Machine Components' was organised for the III Year students on 28.08.19. Mr. Vijay Krishnamoorthy, Sr.Design Engineer, Ford Motors Private

VEC CSI Student Branch - QUIZZARDS A Technical QUIZ Contest -2019



The SRM VEC CSI Student Branch organized the inaugural function for the academic year 2019-2020 on 30th of July, 2019. It was a good way of encouraging the volunteers to work even better and give their best in the upcoming days. The welcome speech was delivered by Dr. S. Ravikumar (AP, Dept. of IT).

It was a great start followed by prize distribution for the students who excelled in presenting a mini project.

As a part of the inauguration a quiz competition 'QUIZZARDS' was conducted by the CSI volunteers under the supervision of Dr. M. Senthil Kumar (Asso. Prof., Dept. of CSE). There were three rounds of online quiz, buzzer round and rapid fire.

As a mark of motivation the CSI volunteers, badges were given to the volunteers by Dr.B.Vanathi (Professor & Head, Dept. of CSE). She explained the importance of CSI to the students. It was a great pleasure. The vote of thanks was proposed by Mrs.S.R.Preethi (AP, Dept. of ECE).

The event was coordinated by Dr. M. Senthil Kumar, Assoc. Prof.,CSE, Dr. S. Ravikumar, AP, IT and Mr.V.Santhana Marichamy, AP, GE.



Limited, Chennai delivered his lecture on the following topics: Introduction to engineering design, prototyping and finite element analysis.



Guest Lecture on the 'Design of Machine Components'

An Industrial Visit was arranged for the III year students on 30.08.2019 to SRM Auto Tec Pvt Ltd, Chennai. Students visited the following sections: Body Structure cleaning, Fabrication of Structure, Structure Mounting on Chassis, Paint Booth, Inner and Outer Panelling, Roof panels, Front panels, Rear panels, Passenger doors, Seats, Driver Seats, Under Chassis Inspection, Roof Leak Testing/Under Chassis Inspection.



Industrial Visit: SRM Auto Tec Pvt Ltd.

An Industrial Visit was arranged for the III year students on 06.09.2019 to 'MTAB Engineers Pvt. Ltd., Chennai. Mr.P.Ganesh, Manager explained the automated guided vehicle, CNC lathe and CNC milling machine, CNC machining centers, turning centers, grinding machines, conventional tools and quality & metrology instruments.



Industrial Visit: 'MTAB Engineers Pvt. Ltd., Chennai.

A four day BFKC Final event was held at Kari Motor speedway, Coimbatore from 10.09.2019 to 13.09.2019. Our team participated and cleared the following rounds: Report presentation, Business plan, Design evaluation, Technical Inspection, Dynamic Evaluation. An overall rank 6th position out of 96 was obtained for 130CC category and 9th position out of 24 was obtained for 160CC category. And we got first place for business plan event.



BFKC Final held at Kari Motor speedway, Coimbatore

A Guest Lecture on 'Mechatronics' was organised for the IV Year students on 17.09.19. Mr. J.Deepak Manikandan, Director, Research and Development, Institute of Advanced Embedded Computing, Chennai delivered his lecture on the following topics: Introduction to Mechatronics, Automation, Microprocessor and Microcontroller applications in Mechanical Engineering, Robotics, Programmable Logic Controller, IoT.



Guest Lecture on 'Mechatronics'

A four day ETWDC Final event was held at Bannari Amman Institute of Technology, Erode from 26.09.2019 to 29.09.2019. Our team participated and cleared the following rounds: weight checking, vehicle stability inspection, quality inspection, design log presentation, dynamics events like Manoeuvrability test, Vehicle range test. After successful completion of all category tests except Break test, overall rank 36th position out of 89 colleges was obtained.



ETWDC Final event held at Bannari Amman Institute of Technology, Erode

S. Sathishkumar, P. Sathishkumar, C. Saravanan, S. Ram Prasad and S. Santhosh Kumar, students of Mechanical Engineering Department received an Appreciation Certificate from SAE International President Mr. Paul Mascarenas for the extra ordinary contributions as Volunteer in Aero Design Challenge workshop.

They received the first position in Business Plan round in Faculty in BFKC Final event was held at Kari Motor Speedway, Coimbatore.

Mr. S. Suresh Pungaiah, SAE Faculty Advisor received Dronacharya Award Best Supporting Faculty in BFKC Final event held at Kari Motor Speedway, Coimbatore.

SAEINDIA Southern Section honoured SRM Valliammai Engineering College for hosting 4th Aero Design Challenge event Workshop on 19.09.2019. Dr. Ganesan, Additional Director, CVRDE, DRDO, Chennai presented the Memento to our College SAE Faculty Advisor Mr. S. Suresh Pungaiah, Assistant Professor / Mechanical Engineering.



SAEINDIA Southern Section honoured SRM VEC for hosting 4th Aero Design Challenge event

NSS



The NSS Unit of SRM Valliammai Engineering College along with the support of an NGO - 'THE CREW' (CREating a better tomorrow) cleaned up and renovated a pond at Urapakkam near Kolatchi Amman Temple, Kancheepuram District on 13.07.2019 & 14.07.2019.

Many districts in Tamil Nadu are witnessing acute water shortage. To preserve the water bodies, the NSS Unit of SRM Valliammai Engineering College voluntarily took up the responsibility of restoring some of the lakes so that the marine ecology can also sustain in harmony. The clean-up of the lake was done at Rajakilpakkam, near East Tambaram, Kancheepuram District on 28.07.2019 in association with 'Sabri Green Foundation'.

The Volunteers also participated in the fifth edition of the Tamilnadu Water Bodies Conservation Activities



Meet on the same day in the afternoon from 2.00pm to 7.00pm at Chennai Central. The Meet was organised to get ideas from different parts of the country to rejuvenate and maintain the waterbodies and to prevent any water crisis in future. It also aimed at sharing the good deeds done by all the people around India to save water for the motivation and encouragement to preserve the water bodies. The entire activity was covered by Puthiyathalaimurai TV and WIN TV channels. The coordinating associations expressed their gratitude to the NSS team for being highly active in the event.

The NSS unit of Valliammai Engineering College with the support of NGO organizations 'The CommuniTree', 'TOI GREEN DRIVE' and 'Inner Wheel Club of Madras Central Aadithiya' involved in the upgradation of environment from 29.07.19 to 31.07.19. The ultimate aim of the entire activity was to create dense forest in the protected areas of Mahendra World city.

The NSS Unit of SRM Valliammai Engineering College in association with the public and social welfare groups conducted a rally for creating an awareness on rejuvenating and renovating the Periyar Nagar Lake at Karanai Puducherry, Kancheepuram District on 04.08.2019.

The NSS Unit of SRM Valliammai Engineering College in association with the Hero-TOI Green Drive planted another 1.5 lakh saplings at the Mahindra World City Chennai on 31.08.2019 by Miyawaki technique of Japanese botanist. Dozens of native species were planted. Mr.D.Jayakumar, Minister for Fisheries and Personnel and Administrative Reforms of Tamilnadu also participated in this drive and encouraged the volunteers to do more planting. Other than plantation.

September 21 was observed as the International Coastal Cleanup Day. The beach cleanup drive was quite important to the Chennai Coast. So, the NSS Unit of SRM Valliammai Engineering College took part in the Coastal Cleanup Drive at Edward Elliot's Beach on 21.09.2019. The Volunteers cleaned the beach at several spots.



Department of Master of Business Administration

An industrial visit to M/s. AVA Cholleyil Health Care Pvt. Ltd was organized for the second year MBA students on 02.08.2019. Students had the opportunity to understand the manufacturing process and the quality control measures implemented in the Organization in a real time environment.



industrial visit : M/s. AVA Cholleyil Health Care Pvt. Ltd

A Guest Lecture on 'Stimulating Marketing Opportunities in the Digital Environment' was organised for the second year MBA students on 07.08.2019. Mr. Narendran Hariparanthaman delivered a lecture on the 'Methods in social media marketing and content strategy in Digital Marketing'.



Guest Lecture on 'Stimulating Marketing Opportunities in the Digital Environment'

An industrial visit to M/s. Diamond Engineering (Chennai) Private Limited (DECPL) and Emerald Engineering was organized for the second year MBA students on 16.08.2019. Students had the opportunity to understand the fabrication process of heavy steel, including machining, assembly, material handling and industrial safety measures implemented in a manufacturing Organisation.



industrial visit: M/s. Diamond Engineering (Chennai) Private Limited (DECPL) and Emerald Engineering

A Guest Lecture on the 'Global Trends in Cyber Security' was organised for the second year MBA students on 09.09.2019. Mr. Tony Caleb, CEO, Infoziant LLC delivered the lecture. The students had the opportunity to understand

the concept of data security and data protection and the need for security softwares and systems in a business environment.



Guest Lecture on the 'Global Trends in Cyber Security'

You Tube Channel - Valliநம் "Teachers' Day"



Valliநம் organized a two-day "Teachers' Day" celebration at our SRM Valliammai Engineering College at New Seminar Hall. On 04.09.2019, a speech & Poem by Mr. Shankar Babu & Pattimandram was held on the first day programme. On 05.09.2019, Valliநம் Group, sung a Medly Song, followed by Dance Programme by 2nd & 3rd Year Students and a Dance Programme by 4th Year Students. Manasula Ninnavanga - A personal sharing by any Teacher (OR) any Student about a sweet memory. The Principal, the Vice Principal, Heads & Faculty Members of various departments participated. The programme was coordinated Ms.J.J. Monica Paul, Head-Placement, Ms.M.Chitra, HoD i/c, Dept. of English & Mr.K.Shanmugam, AP, Dept. of CSE.■

Department of Physics

Dr. H. Krishnan, Ms. S. Gandhimathi published their research paper entitled 'New series of organic-Inorganic polymer nanocomposite membranes for fuel cell applications' in High Performance Polymers on 7th July, 2019.

Dr.M.Anbuezhayan published his research paper entitled 'Hydrothermal synthesis of C doped ZnO Nanoparticles coupled with BiVO₄ and their photocatalytic performance under the visible light irradiation' in Applied Surface Science 494, 771-782 on 13th July 2019.

Dr. H. Krishnan participated in the 'Higher education technology conference 2019', Chennai, powered by course era in association with LeadSquared, Extraedge on 18th July 2019.

A Guest Lecture was delivered by Dr. S.M. Ravikumar, Assistant Professor, Department of Physics, S.S. Government Arts College, Tiruttani on the 'Recent Trends in Crystal Growth Technology' on 3rd September 2019 at 2.30 p.m. in the Old Seminar Hall.



Guest Lecture on the 'Recent Trends in Crystal Growth Technology'

Dr. S. Padmaja presented her paper entitled 'Thermal and Electrical studies on Cds : PMMA nanocomposite solid films' in the International Conference on smart automation organised by SRM VEC on 6th & 7th Sept. 2019.

Dr.M.Anbuezhayan participated in a 'One Day National Workshop on e-learning and MOOCs in Higher Education' jointly organized by Guru Angad Dev Teaching Learning Centre of MHRD, SGTB Khalsa College, University of Delhi and Anna University, Chennai held at Anna University, Chennai on 14th Sept., 2019.

On behalf of Principal, Dr. H. Krishnan attended the training programme for Principals and Placement Officers of Engineering Colleges and Polytechnic colleges with field visit to Indian Institute of Technology Research Park (IIT-RP)/Madras Institute of Technology (MIT) on 18th Sept. 2019.

NPTEL SPOC appreciation award was received by Dr.M.Anbuezhayan from NPTEL, IIT Madras on 26th July 2019.

Department of English

The first session of the Oratorical Competitions under the auspices of 'Burke Club' was held on 28th Aug 2019. The first year students actively participated and exhibited their oratorical skills. The winners were rewarded with prizes and certificates.



Workshop on 'Turning the Learners into Better Communicators Strategies to develop professionalism'

A Workshop on 'Turning the learners into better communicators Strategies to develop professionalism' was organized on 5th Aug 2019. Mr. Shakthi Prasad Asst Professor, SRM Business Studies, SRMIST, Kattankulathur was the resource person for the day.

Department of Placement and Career Guidance

The following Training Programmes were conducted during the period from July to September 2019.

- Aptitude Training Programme for Final Year Students by FACE from 28.07.2019 to 01.08.2019.
- Technical Training for Final Year Students by Vformations from 05.08.2019 to 08.08.2019.
- SoftSkill for Final Year Students by ProWhiz from 10.08.2019 to 12.08.2019.
- Mock Interview for Final Year Students by Vformations from 13.08.2019 to 14.08.2019.
- Interview Techniques for Final Year Students by ProWhiz on 09.08.2019.
- Accenture Paper Discussion for Final Year Students by FACE from 16.08.2019 to 17.08.2019.
- Wipro Question Paper Discussion for Final Year Students by FACE from 10.09.2019 to 11.09.2019.
- Soft Skill & Aptitude Training for II Year Students by Mercury Skills Enrichment Academy from 07.09.2019 & 14.09.2019.
- Soft Skill & Aptitude Training for III Year Students by Mercury Skills Enrichment Academy from 07.09.2019, 14.09.2019 & 21.09.2019.

A total of 9 companies, namely, Accenture, Wipro, TCS, Kaar Technologies, Maximi Labs, Zoho Corporation Pvt. Ltd., Acies Global, Proapt & CES IT Pvt. Ltd., conducted their campus drive during the month of July & September 2019 and 258 candidates were selected.

Department of Chemistry

In the International Conference on Sustainable Technologies for Industrial Hazardous Waste Management and Bioenergy (STIWMB 2019) organized at SRM Institute of Science and Technology, Kattankulathur, during 7-9 August 2019, the Staff noted below presented papers.

Dr. L. Devaraj Stephen presented a paper on "Heavy Metal Complexes Wastewater Treatment with Photoreduction of $\text{CoIII}(\text{pn})_2\text{Cl}(\text{L})_2^+$ - A Chelation Precipitation Process".

Dr. M. Soundarrajan presented a paper on "Biosorption of Chromium (VI) and Cadmium (II) ions from water onto Chitosan immobilized Penicillium microspheres".

Dr. S. G. Gunasekaran presented a paper on “Ecofriendly Coatings using Aryl Pendant Pyrene core Imine linked Nanotitania reinforced Polybenzoxazine (nTiO₂/PBZ) Nanocomposites”.

Dr. J. Krishnamurthi presented a paper on “Urea Tagged Poly (Octadecyl Acrylate) Gels for the Detection and Removal of Fluoride Ion from Non-Polar Solvent Medium”.

Dr. P. Maheswari presented a paper on “Preparation and performance of zinc oxide nano particles incorporated poly (ether-ether-sulfone) nano filtration membranes”.

Mr. V. Arivalagan presented a paper on “Water Repellent Coatings from Structurally Designed Phenylene core Imine linked Nanosilica reinforced Polybenzoxazine (nSiO₂/PBZ) Nanocomposites”.

Ms. M. Meera presented a paper on “Cardanol Pendent Thiophenyl End Capped Imine Skeletal Nanosilica Reinforced Polybenzoxazine (nSiO₂/PBZ) Nanocomposites from Cashew nut Wastes”.

In the International Conference on the Recent Advances in Applied Chemical Science (ICRAACS 2019) organized at Sri Sevugan Annamalai College, Devakottai, on 6th September 2019, the Staff noted below presented papers.

Dr. L. Devaraj Stephen presented a paper on “Photoinduced activation of CoIII(tn)₂Cl(L)₂+ on aqueous TiO₂ suspensions under visible-light illumination in binary solvent mixtures”.

Dr. M. Soundararajan presented a paper on “Sources effects and remedial of toxic metals in industrial waste water”.

Dr. S. G. Gunasekaran presented a paper on “Nanosilica reinforced imine skeletal phenylene based polybenzoxazine (nSiO₂/PBZ) nano composites”.

Dr. J. Krishnamurthi presented a paper on “Anion-responsive polymer gels for the detection and removal of fluoride ion”.

Dr. P. Maheswari presented a paper on “Exploring the effect of nano-silver concentration on the PEES/Nano-silver Nanofiltration membranes”.

Mr. V. Arivalagan presented a paper on “Ecofriendly Coatings using Aryl Pendant Pyrene core Imine Skeletal Nanosilica reinforced Polybenzoxazine (nSiO₂/PBZ) Nanocomposites”.

Ms. M. Meera presented a paper on “Thiophenyl Pendent Cardanol End Capped Imine Skeletal Nanosilica Reinforced Polybenzoxazine (nSiO₂/PBZ) Nanocomposites”.

**Congratulations and Best Wishes to all the Stake Holders of
SRM Valliammai Engineering College for serving 20 years to
'Educate to Excel in Social Transformation'. Wishing everyone
a successful endeavours in future.**



FACULTY INDUCTION PROGRAMME

Faculty Induction Programme for the newly joined Faculty members of our college was conducted on 13.07.2019. The following faculties handled the sessions.

Dr. M. Murugan, Vice Principal, inaugurated the programme and delivered a lecture on the 'Job Responsibilities'. He also stressed the importance of the Teacher's role in Academic, Research, Administrative works, Corporate Social Responsibility (CSR) and procedure to be followed for attending Seminars, Conference, etc.

Dr. H. Krishnan, Professor & Head, Dept. of Physics, delivered a lecture on the 'Best Practices in Engineering Colleges' and also briefed about AICTE approval, NBA and NAAC accreditation etc.

Mr. G. Madhusudan, Asst. Prof. (Sel.G) Dept. of EEE, delivered a detailed lecture on the rules and regulations that are to be followed by the Faculty members during the examinations and the preparation of question banks based on Bloom's Taxonomy.

Mr. N. Lakshmana Perumal, Prof. and Head, Dept. of English, delivered a lecture on 'Counselling and

Motivation'. He shared his experience for the positive approach to the students by the Faculty members.

Dr.L.Devaraj Stephen, Asst.Professor and Head (i/c), Dept. of Chemistry, elaborated the Pedagogy Teaching and Learning and explained about the Teacher-centric and Learner centric approach. He explained the ADDIE model of instruction in Teaching Learning.

Dr. B. Balamurugan, Librarian, explained the Digital library, e-Journals, e-book facilities, audio visual hall, etc., available in the Central Library, SRMVEC.

Dr. M.Anbuezhayan, ISO-MR & Associate Professor, Dept. of Physics elaborated on the quality objectives and various processes of the ISO 9001:2015 followed in our College to maintain the ISO files, procedures for internal audit and final certification. He also briefed about the 'NPTEL on-line Examination', Achievement of our NPTEL Local chapter SRMVEC.

Mr.K.Guru, Asst.Prof, MBA elaborated on the Internal Quality Assurance Cell (IQAC) to improve the academic and administrative performance of the Institution. He pointed out various committees like Grievances and Redressal Cell, Entrepreneurship Development Cell, Student Counselling Cell.

Department of Mathematics

The Mathematics Association 'Euler.com' organized a Guest Lecture on 'Linear Algebra' on 9th July 2019 for the II year Electronics and Communication Engineering students. The lecture was delivered by Dr. L. Jones Tarcus Doss, Professor, Department of Mathematics, College of Engineering, Anna University, Guindy, Chennai.



Guest Lecture on the 'Linear Algebra'

The Mathematics Association 'Euler.com' organized a Guest Lecture on 'Number Theory' on 2nd August 2019 for the III year CSE and IT students. The lecture was delivered by Dr. A. Tamilselvi, Assistant Professor, Department of Mathematics, Ramanujan Institute for Advanced Study in Mathematics, Chennai.



Guest Lecture on the 'Number Theory'

Dr. V. Vijayalakshmi, AP (Sl.G) and A. Karpagam, AP (OG) published a paper entitled 'Pentagonal Fuzzy Number by Cholesky Decomposition and Singular Value Decomposition', in the International Journal of Mathematics Research, ISSN 0976-5840 Vol. 11, No. 1 (2019), Pp: 19-28.

Mr. L. Mohan, AP (OG) published a paper entitled 'Fuzzified Substitutional Method for Solving Linear System of Equations', in the Journal of Applied Science and Computations, Vol. 6, Issue 5, (2019), Pp: 2950-2957.

A. Karpagam, AP (OG) and Dr. V. Vijayalakshmi, AP (Sl.G) published a paper entitled, 'Comparison Results of Trapezoidal, Simpson's 1/3 rule, Simpson's 3/8 rule and Weddle's rule', in the journal of Composition Theory, ISSN 0731 6755, Vol. XII, Issue IX, Pp: 1884-1887, Sept. 2019.

Department of Physical Education



Department of Physical Education has organized the SRM VEC Foundation Day Trophy 2019 - State Level Inter School Ball Badminton (Boys & Girls) Tournament on 4th & 5th Sept. 2019 at Valliammai Sports Complex.

Won the Bronze Medal in Anna University Zone - 4 Table Tennis Men Tournament organized by Prince Dr. K. Vasudevan College of Engineering and Technology on 6th Sept. 2019.

Got Fourth Position in Anna University Zone - 4 Cricket Men Tournament organized by Tagore Engineering from 26th Aug. to 6th Sept. 2019.



Won the Gold Medal in Anna University Zone - 4 Ball Badminton Men Tournament organized by SRM Valliammai Engineering College on 16th Sept. 2019.

Won the Bronze Medal in Anna University Zone - 4 Badminton Men Tournament organized by Sri Sairam Engineering College on 17th & 18th Sept. 2019.

Won the Gold Medal in Anna University Zone - 4 Ball Badminton Women Tournament organized by SRM Valliammai Engineering College on 23rd Sept. 2019.

Department of Physical Education has organized the Anna University Zone - 4 Ball Badminton Men & Women Tournaments on 16th & 23rd Sept. 2019.

Dr. N. Ganapathy, Director of Physical Education, SRM VEC, represented as a Selection Committee Member for Anna University Chennai Zone - IV Ball Badminton Men & Women and Badminton Men & Women Tournaments 2019 - 20.

