



# SRM Valliammai Engineering College

SRM Nagar, Kattankulathur - 603 203.

Email : [srmvec@valliammai.co.in](mailto:srmvec@valliammai.co.in)

Website : [www.srmvalliammai.ac.in](http://www.srmvalliammai.ac.in)



## VEC NEWS

[Quarterly]

Vol. 8 No. 1

Jan. - Mar. 2019

### India Book of Records created by SRMVEC

Manifestation of Homogeneity by Proper Attire at SRM Valliammai Engineering College



**P**roper attire in workplace is important because it presents a visual image and indicates that the employees are professionals and it also ensures homogeneity. The uniformity manifested in dressing, speaks of a sense of responsibility among the employees.

In educational institutions, the proper dress code boosts the image of the teachers among the students and the visitors.

Keeping these in mind, a unique dress code of Modi coats is followed by all Teaching Faculties at SRM Valliammai Engineering College established on September 9, 1999. 139 male Teaching Staff were wearing Modi coats the whole day on January 9, 2019 and the Faculties henceforth will wear Modi coats on all Wednesdays.

Considering the Unique Dress Code on a Day, India Book of Records has recognized this special attribute of SRM Valliammai Engineering College and acknowledged the same in its record.





## Department of Civil Engineering



Alumna Ms. A. Nivetha (2013-2017) received appointment order as Assistant Engineer from the Hon'ble Chief Minister of Tamil Nadu

Alumna Ms. A. Nivetha (2013-2017) got posted as Assistant Engineer, Planning, Design and Investigation Wing, HRS Campus, Sardar Patel Road, Guindy, Chennai. The appointment order was given by the Hon'ble Chief Minister of Tamil Nadu Mr.Edappadi K. Palaniswami.

A.Poojitha, Final year student cleared GATE-2019.

M.Moganraj, Assistant Professor, and S.Karthick, Assistant Professor, Civil cleared GATE-2019.

K.Jeevitha, third year, participated in the 10KM run 'Skechers Performance Chennai Marathon 2019' powered by Chennai Runners held on 06.01.2019 and was placed in the 15<sup>th</sup> position.



K.Jeevitha, 3rd year, participated in the 10KM run 'Skechers Performance Chennai Marathon 2019'

The Department of Civil Engineering organized an 'Entrepreneurship Awareness Camp' sponsored by Entrepreneurship Development Institute of India, Ahmedabad, National Science and Technology Entrepreneurship Development Board, DST, Govt. of India (DST-NIMAT Project 2018-19) from 07.01.2019 to 09.01.2019. Totally, 82 students participated.

Mr.R.Dilli Babu, Proprietor, Engineering Creations, Chennai inaugurated the programme and a lecture was delivered on the 'Historical background of entrepreneurship and the present scenario'.

In the first half of the afternoon session (07.01.2019) of the camp, Dr. S. Srinivasan Senior Scientist, Environmental Technology Division, CSIR- Central Leather Research Institute, addressed the students on technology assistance in R&D Laboratories.

In the second half of the afternoon session on 07.01.2019, Mr.T.Suresh, Proprietor, ST Constructions addressed the students on how to perceive the business opportunities in their routine life.

On the second day (08.01.2019) of the camp, Mr.R.Chandra Prabhu, Assistant Director, MSME, Chennai

addressed the students. In his address, he quoted that students should start to build their business acumen from the very early days and advised that gaining a proper experience would be of great support in their entrepreneurial endeavor.

In the afternoon session on 08.01.2019, as a part of the camp, an industrial visit was arranged to the Grade Separators on the Velachery Main Road.

EAC factory visit at Grade Separators on the Velachery Main Road.



EAC factory visit at Grade Separators

The Department of Civil Engineering organized a Value Added Course on the 'Analysis Software Using STADD Pro' from 30.01.2019 to 21.02.2019. The course was handled by, Mr.G.R.Iyappan, Assistant Professor (O.G) - Civil. Totally, 63 students were enrolled in this course.



Value Added Course on the 'Analysis Software Using STADD Pro'

Dr.E.Bhaskaran, Director, Entrepreneurship Development Institute, MSME Chennai delivered a lecture on the 'Ten steps to become a successful Entrepreneur' held on 09.01.2019.

K.Jeevitha, third year, participated in the women's category - 10KM run 'SBI Green Marathon Chennai 2019' and was placed in the 2nd position under 18-39 years female category held on 27.01.2019. She won a cash prize of Rs10,000.

The Department of Civil Engineering organized a one day National Level Workshop on the 'Introduction to Building Information Modeling (BIM) tool (REVIT)' on 02.02.19. The Guest speaker was Mr.Pradeep, BIM Manager, and DE NOVO Software Solution. He explained the design of building and structure and its components in 3D, annotated the model with 2D drafting elements and access building information from the building model's database.

Final year students, M. Shreka Vanmathi, K. Sushmitha Dhatchayani, M. Sethupathi, K. Thamarai Selvan and S.Sathish participated in a Seminar on the 'Advance in Steel and Steel Concrete Composite Structures' at Hindustan Institute of Technology and Science on 07.02.2019.

The Department of Civil Engineering organized a Guest Lecture on 'Seismic Analysis of RC Framed Structures' on 08.02.19. The Guest speaker was Dr.Senthil Selvan, Professor, and SRM University.

The Department of Civil Engineering in association with the ISTE Faculty and ISTE Student Chapter, Institution of Engineers (I) student chapter organized a Guest Lecture on the 'Design Advantages in Using Sail Parallel Flange Section' on 04.03.2019. Mr.Rajeev Bhatia, DGM (M-Core Team), Steel Authority of India Limited, New Delhi was the Guest Speaker.



Guest Lecture on the 'Design Advantages in Using Sail Parallel Flange Section'

J.Ramakrishnan, second year student participated in a workshop Webpreneurship at College of Engineering, Guindy on 08.02.2019.

K.Jeevitha, third year student secured 2nd position in 800 m run (Women) conducted during the 'International Sports and Cultural Carnival-Riviera 2019', held at Vellore Institute of Technology, Vellore from 14.02.2019 to 17.02.2019.

S.Javid Ahamed, S.Karthick, O.R. Karthick, participated in Paedeathon-2019, Marathon for Paediatric Cancer conducted by the Lions Club held on 16.02.2019.

K.Jeevitha, third year was placed in the 5th position in 10KM Women's -Open Category in the 3rd Edition of 'Inner Strength Half Marathon 2019' held on 17.02.2019.

The Department of Civil Engineering and Industry-Institute Partnership Cell in association with the ISTE Faculty and ISTE Student Chapter, Institution of Engineers (I) Student Chapter organized a Technical Talk on the 'Typical Constructions with Quickbuild Panels' on 25.02.2019. Mr.P.J.Lawrence, Sr.Manager Technical Development, Beardsell Limited was the Guest Speaker.

K. Jeevitha, third year, participated in 'MEPZ RUN' on 03.03.2019 under 5KM run category held at MEPZ, Chennai and placed in the 5th position.

Third year Civil Engineering students (III-B and D Sec) went on an industrial visit to Perungudi Sewage Treatment Plant, Kodungaiyur Sewage Treatment Plant and Nesapakkam Sewage Treatment Plant on 07.03.19. The students were divided into 3 batches of 25 members in each batch.

Totally, 29 students of third year Civil Engineering (III-C Sec) went on an industrial visit to 4MLD Sewage Treatment Plant at the Indian Institute of Technology, Madras on 08.03.19.

K. Jeevitha, third year, participated in the 'Women's Day run 2019 Chennai' under 10K category at YMCA, Chennai and placed in the 4th position on 10.03.2019.

## International Women's Day



SRM Valliammai Engineering College organized the International Women's Day celebration on 08.03 2019. It was an all-women show, where it started with a contest for staff members titled 'cooking without fire' followed by games and activities for the Non-Teaching staff members. The event in total had all performances and celebrations organized, coordinated and executed by the student coordinators of the college YouTube channel Vallinam.

Our Principal and Vice Principal participated in the one day Workshop on 'Autonomy to Colleges; Benefits & Way Forward' organised by the University Grants Commission, South Eastern Regional Office, Hyderabad on 4<sup>th</sup> Feb 2019.

The College day of SRM VEC for the academic achievements, sports prize distribution followed by the cultural events was organized on 01.03.2019. Initially, Dr. M. Murugan, Vice Principal delivered the welcome address. Dr.B.Chidambara Rajan, the Principal presented the Annual Report of the College for the academic year 2017-2018. Mr. Sathish, a well-known cine actor, delivered the 'Special Address' and distributed prizes to the students for various categories for their achievements. Finally, Dr.D.Elango, HoD of Civil Engineering proposed a vote of thanks.

Mr. K. Shanmugam AP (OG), CSE acted as the Judge for the debate show in an event 'Impact 2019' organized by the Directorate of Student Affairs, SRMIST on 09.02.2019.

Make a Change is the new way for the New year 2019. In this regard, the Staff chose to dress unique and

look united in uniform dress and planned to wear sarees of the same color and suits of same shades. It did create a different and special feel.

Institute of Electrical & Electronics Engineering, Madras Section expresses its appreciation to Valliammai Engineering College for organizing student Branch activities towards the advancement of IEEE and Engineering Profession during the year 2018.



R.Padmanaban, Post Graduate student and Mr.S.Suresh Babu, AP(Sr.G), Civil presented a paper in the International Conference on Multi-Disciplinary Research Studies and Education titled 'Experimental study on use of cold formed steel sections as truss members' on 30.03.2019 at Chennai organized by the Institute for Engineering Research and Publication(IFERP).

Mr. S.Suresh Babu, AP(Sr.G), Civil presented a paper in the International Conference on Multi-Disciplinary Research Studies and Education titled 'Experimental Investigation on the flexural Behaviour of Cold Formed Corrugated Steel Channel Sections' on 30.03.2019 at Chennai organized by the Institute for Engineering Research and Publication(IFERP).

### Intra College Technical Contest -2k19



The SRM Valliammai Engineering College in association with the Computer society of India VEC Student Branch organized an 'Intra College Technical Contest-2k19' on 4<sup>th</sup> March 2019. The major objective of organizing this Exhibition was to provide the platform and unleash the potential of the students by showcasing the innovative projects developed by them. The total number of exhibits was 44 (20 Batches from 1st year and 24 Batches from higher semester), several working models and designs. The concepts were developed by the Students. Students of First Year and Higher Semester won 1st Prize in the Project Competition for their Innovative Ideas and Development of 'PIEZO Electricity Generation' which produce energy from vibration and pressure available on some other terms like 'People Walking' and 'Lake Cleaner' which is a new ground in Pollution Control. Sensor based projects, IOT based projects such as traffic simulator, water supply for irrigation and many more projects using sensors were displayed by students. The contest created awareness about the latest researches, challenges of the society, inventions and discovery of the students.

The event was coordinated by Dr. M. Senthil Kumar, Asso. Prof. of CSE, Dr.S.Ravikumar, A.P, IT and Mr.V.Santhana Marichamy, A.P, MCA.

## Department of Computer Science & Engineering

Ms.S.Suma/A.P, R.V.Kamala Kannan, J.Akash and R.Kishan (U.G Students) published a paper on the 'Sensor Based System to Monitor Driver's Stress, Fatigue and Drowsiness using Data Analytic Approach' in the Global Research Development Journal for Engineering.

Dr.B.Muthu Senthil/Asso.Prof, M.Santhosh, G.Srinath and B.Yuvaraj (U.G Students) published a paper on the 'Geo-

Based smart parking automation system' in the International Research Journal of Engineering and Technology.

Dr.B.Muthu Senthil/Asso.Prof, R.T.Hareeni Shree and J.B.Madhubala (U.G Students) published a paper on the 'Foogle: Advanced Surveillance Technique to Find Missing Person with Face Search System' in the International Journal of Innovative Research in Computer and Communication Engineering.

Mr.K.Shanmugam/A.P and Dr.B.Vanathi/Head published a paper on the 'HardCopy Text Recognition and Vocalization for the Visually Impaired and Illiterates in Bilingual Language' in the Springer Nature Switzerland AG 2019.

Mr.G.Kumaresan/A.P, Naresh Kumar.B, N.R.Navin Kumar and G.Nithyalaxmi (U.G Students) published a paper on the 'Third Eye-enhancement of women Safety Using Unmanned Aerial Vehicle' in the International Journal of Innovative Research in Computer and Communication Engineering.

Ms.Vidhya.A/A.P, Mahalakshmi.V, K.Deepika and Iswaria.N (U.G Students) published a paper on the 'Emotion Based Music Recommendation System' in the International Journal of Innovative Research in Computer and Communication Engineering.

S.T.Akilash, Y.Jayaseelan and O.Benjamin Elizer (U.G Students) published a paper on the 'Airline Baggage Guidance and Tracking System Using RFID and Internet of Things' in the International Journal of Innovative Research in Computer and Communication Engineering.

Ms.S.Benila/A.P presented a paper 'Investigations of Fog Computing Standard for High Speed and Secured IOT Environment' on 7<sup>th</sup> to 9<sup>th</sup> January 2019 at Anna University.

Dr.B.Muthu Senthil/Asso.Prof has been a reviewer for the 3<sup>rd</sup> International Conference on Computing and Communication Technologies (ICCCT'19) held on 21<sup>st</sup> & 22<sup>nd</sup> February 2019 at Sri Sai Ram Engineering College.

Subaash Radhakrishnan, A.Sharath, A.Somesh, J.Thivstan Vishal and B.P.Sheshanth (III Yr/CSE) participated in a Workshop on 'Robotics Skills Training' on 08.02.2019.

Chandru.J (II Yr/CSE) participated in a National Level Workshop on 'Machine Learning Algorithms and its Applications in Medical Field' organized by the Department of ECE at Velammal Institute of Technology on 09.01.2019.

A one day workshop was conducted on 'Natural Language Technology' on 05.02.19.



Workshop on 'Natural Language Technology'

A One Day NASSCOM Future Skills Training Programme was organized for Staff members of SRM VEC & SRM Arts and Science on 08.02.2019. The Resource Person was Dr.Sandhya Chintala of NASSCOM and Mr.Shailesh Joshi of EdCast.





NASSCOM Future Skills Training Programme

A National Seminar was conducted on 'Virtual Reality' on 09.03.19. The Chief Guest was Mr.Dhinakar Jacob Selwyn, Global Head, Legacy Revitalization and Transformation Services, Capgemini.



National Seminar on 'Virtual Reality'

Students of II Year CSE-2 went on an Industrial Visit to SDSC-SHAR [Sathish Dhawan Space Centre-Sriharikota High Altitude Range] on 12.02.2019.



Industrial Visit to SDSC-SHAR [Sathish Dhawan Space Centre-Sriharikota]

Students of II Year CSE-3 went on an Industrial Visit to the Intellect Design Arena on 22.03.2019.



Industrial Visit to the Intellect Design Arena

Students of IV Year CSE-1 went on an Industrial Visit to CDAC on 01.02.2019.



Industrial Visit to CDAC

A Project Exhibition Day for the Final year students of all the departments was organized on 20th March, 2019. 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 Prof N. Lakshmana Perumal, HOD / English, Dr. H. Krishnan, HOD / Physics, Dr.L.Devaraj Stephen, Head / Chemistry, Dr.R.Karthick, Associate Professor/EEE and the Head of the Dept of the respective depts.



Project Exhibition Day for the Final year students

## Department of Electrical & Electronics Engineering

Conducted a Guest lecture on the 'Power System Protection and Communication' on 10<sup>th</sup> January 2019. Mr.S.HarishKumar, Assistant Engineer, Career Communication, TANTRANSOCO, TNEB was the Resource Person. Mr.S.HarishKumar is one of the alumni of our College.



Guest Lecture on the 'Power System Protection and Communication'

Organized a three day - Entrepreneurship Awareness Camp (EAC) sponsored by the 'Entrepreneurship Development Institute of India (EDI) Ahmedabad, NST Entrepreneurship Development Board, DST, Govt. of India, DST NIMAT Project 2018-19 scheme for the Science & Technology and Diploma students. The camp was held during 23<sup>rd</sup> -25<sup>th</sup> January 2019. Mr. Vijayabalan A.,

### 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  
**Ms. M. Arthi**, Asst. Prof.(O.G), Dept. of English  
 Layout & Design : **Mr. T. Elavarasu**, Placement Executive



CEO & Founder, Transun Energy Systems, Chennai inaugurated the camp and addressed the students regarding the historical background of entrepreneurship and its present scenario. In the afternoon session of the camp, Mr. Leelakrishnan M.V., Assistant Director (IMT), MSME, Chennai addressed the students.



Entrepreneurship Awareness Camp (EAC)

On the second day, during the forenoon session, Mr. Raja R., Project Lead in Embedded ARM, SANDS(India) Pvt. Ltd., Siruseri, Chennai enlightened the students about the opportunities in the field of electronics. During the afternoon session, a batch of 75 students visited SANDS (India) Pvt. Ltd., Siruseri as a part of EAC and enriched their knowledge. On the 3rd day morning session, Dr. Sumathi Narayanan, President, Creative Communication and Management Center, Chennai spoke on 'Communication Skills for better results in business'. In the afternoon session of the camp, Mr. Sivalingam N., Assistant Director (G&C), MSME, Chennai delivered a lecture on the 'Schemes of Assistance and Support available from the Government agencies, banks, financial institutions and SFC's'.



Seminar on the 'Recent Trends in Electric Drives'

Conducted a seminar on the 'Recent Trends in Electric Drives' on 6th February 2019. The session was presided over by the Chief Guest Dr. B. Chitti Babu, Assistant Professor, Electronics Engineering, IIITDM, Kancheepuram and delivered an expert lecture to the third year EEE students.



Workshop on the 'Energy Conservation and Issues towards Cleaner Environment'

Conducted a workshop on the 'Energy Conservation and Issues towards Cleaner Environment' on 13th March 2019. Dr. M. Raju M.E, PhD., Senior Engineering Manager (Electrical), L&T (Construction), Chennai was the Resource Person.

V. Abirami, M. Gnanasekar, M. Harish, G. Arputharaj Fairysen of Final year and Dr. K. Elango published a paper on the 'Design and implementation of Eco-vehicle using solar', International Journal of Engineering Research & Technology, Vol.8, No.3, pp.20-23, March 2019.

S. Muralidharan, U. Nikeshkumar, V. Nithya, S. Udhayakumar of Final year and Dr. K. Elango published a paper on the 'Design and Implementation of Converters Using MPPT in an Eco Vehicle', International Journal of Engineering Research & Technology, Vol.6, No.297, pp.1576-1580, 2019.

E. Arunmozhi Devan, T. K. Balasekaran, V. Gukan of Final year and Dr. G. Udhaya Kumar published a paper on the 'Floating Oscillator based Electric Generator using Mechanical Energy Harvesting', e-ISSN: 2395-0056 p-ISSN: 2395-0072 International Research Journal of Engineering and Technology (IRJET), Vol.6, Issue 3, pp.1168-1172, March 2019.

S. Shanmugasundaram, S. Sathish Kumar, A. Selvin Raj, K. Poovendhan of Final year and Dr. G. Udhayakumar published a paper on the 'Solar Energy Powered Mobile Charging Station using Bismuth Telluride based Thermoelectric Generator', e-ISSN: 2395-0056 p-ISSN: 23950072 International Research Journal of Engineering and Technology (IRJET), Vol.6, issue 3, March 2019.

S. Inian, R. Anish Ram, B. Hariharan, R. Gopinath of Final year and Dr. R. Arivalahan published a paper on the

### National Seminar on the 'Emerging Technologies in Engineering'



The Department of Electrical and Electronics and Electronics and Instrumentation Engineering organized the third National Seminar on the 'Emerging Technologies in Engineering' on 16<sup>th</sup> March 2019. The primary objective of the National Seminar was to bring the academicians and practitioners in Electrical, Electronics and Instrumentation Engineering together and to share their knowledge with the students and to encourage them to contribute towards research and development in the field. About 53 students participated and got benefitted from the lectures.

Dr. R. Amudhu Ramesh Kumar, Senior Scientific Officer, IGCAR, Kalpakkam was the Chief Guest. In the forenoon session, he delivered a lecture on the 'Electronics and Instrumentation in Nuclear Power Plants'. Next, Dr. S. Hosimin Thilagar, Professor, Department of Electrical and Electronics Engineering, Anna University, Chennai delivered a lecture on the 'Dynamics of Hybrid Electric Vehicle'. In the afternoon session, Mr. M. Tamilvannan, Project Lead Engineer, ABB Global Industries & Services Pvt. Limited, Chennai delivered a lecture on the 'BIM basics and its Application for substation design'. Following this, Dr. S. Krithiga, Associate Professor, School of Electrical Engineering, VIT, Chennai delivered a lecture on the 'Power Electronic Configuration for the Photovoltaic Systems'.



'Online Monitoring of Air Pollution using IoT', International Research Journal of Engineering and Technology (IRJET), Vol.6, Issue 3, pp.793-797, Mar.2019.

M. Pradeep Kumar, K. Prasanth, M. Praveen, R. Sheik Packeer of Final year and Dr. R. Arivalahan published a paper on the 'Interleaved DC-DC Boost Converter with High Voltage Gain and Efficiency for Solar Energy Systems', e-ISSN: 2395-0056, International Research Journal of Engineering and Technology (IRJET), Vol.6, No.3, pp.1224-1228, Mar.2019.

L.Joceyn, R.Karthikeyan, P.Karthickraja, K.Kathirvelan of Final year and Dr.R.Karthik published a paper on 'Enhancing Agricultural Activities using Drone', International Journal of Research in Engineering, Science and Management, Vol.2, Issue 3, Mar.2019.

V.Manikandan, D.Shenbagadevi, T.Nirmala, of Final year and Dr.R.Karthik published a paper on the 'Design and Implementation of Acceleration and Speed control unit for Eco Vehicle (Solar)', International Research Journal of Engineering and Technology (IRJET), Vol 6, Issue 3, Mar.2019.

R.Anushia, P.Deepika, P.Jenila, M.Siva of Final year and Dr.S.Malathi published a paper on the 'Enhancement in the Modelling of Braking System with Regenerative Method using Ultracapacitors for an Eco Vehicle', International Research Journal of Engineering and Technology (IRJET), Vol.6, Issue 3, Mar.2019.

C. Madhumidha, C.Manimalimurugan, S.Manoj, V.Vijayakumar of Final year and Dr.S.Malathi published a paper on the 'Implementation of Modified Transformer-less Full Bridge Voltage Source Inverter for Domestic Applications', International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol.8, Issue 2, Mar.2019.

T.Dhineesh, K.Rajvi Mohammed, S.ArunPrasath, M.Haribaskar of Final year and Mr.G.Madhusudan published a paper on the 'Analysis of IoT based Wireless Sensors for Environmental Monitoring in Agriculture', International Research Journal of Engineering and Technology (IRJET), Vol.6, Issue3, pp.610-614, Mar.2019.

S. Sanjay Kumar, E. Santhiya. S. Sivasakthi, H. Rabiyl Fahim of Final year and Mr.G. Madhusudan published a paper on the 'Adaptive Headlight System for Vehicles using Arduino', e-ISSN: 2395-0056, International Research Journal of Engineering and Technology (IRJET), Vol.6, Is. 3, Mar.19.

P.Vasanthakumar, S. Veerakumar, P. Vigneshwaran, I.Sivasubramaniam of Final year and Mr.S. Rajan Babu published a paper on the 'Electronic Trolley using Arduino for Smart Shopping', International Research Journal of Engineering and Technology (IRJET), Vol.3, Issue 6, Mar.2019.

B.Navaneetha Krishnan, V. Srikanth, V. Vinith, V.Vimalraj of Final year and Mr.S. Rajan Babu published a paper on the 'Intelligent energy saving and voice control system', International Research Journal of Engineering and Technology (IRJET), Vol.6, Issue 3, pp.1206-1209, Mar.19.

K Barathkumar, S Balaji, K N Desikan of Final year and Mr.S. Padhmanabha Iyappan published a paper on the 'Raspberry Pi based Smart Reader for Visually Impaired People', International Journal of Research in Engineering, Science and Management (IJRESM), Vol.2, Issue 2, pp.204-207, Feb.2019.

K.L. Rajkumar, S.N. Saghithya, K. Saikarthick, S.Saravanan, of Final year and Mr. S. Padhmanabha Iyappan

published a paper on the 'Design and Development of Interleaved Boost Converter using Fuzzy Logic Controller', e-ISSN: 2395-0056, International Research Journal of Engineering and Technology (IRJET), Vol - Issue 3, Mar.19.

S.Abishek, V Ashvanth, A Hariprakash, P Harish Kumar of Final year and Mr. V. Sudhagar published a paper on the 'Design of DCDC Converter and Controller for Smart DC Grid and Battery Storage using Arduino', International Research Journal of Engineering and Technology (IRJET), Vol.6, Issue 3, No.228, Mar.2019.

S. Manikandan, S. Meenakshi, K. Rashmi, B. Sanjeev, of Final year and Mr.T. Santhosh Kumar published a paper on the 'GSM Based Agricultural Monitoring System Using Drone', e-ISSN: 2395-0056, International Research Journal of Engineering and Technology (IRJET), Vol.6, Issue 3, Mar.19.

R. Ragavi, K. Ram sundar, R. Sabarigirivasan, C.Thivagar, of Final year and Ms. A.Anuradha published a paper on the 'IoT Based Garbage Management System for Smart City using ARM cortex-A53 processor', e-ISSN: 2395-0056, International Research Journal of Engineering and Technology (IRJET), Vol.6, Issue 3, Mar.19.

S.Gokulakrishnan, T.Gokul, J.Abinaya, M.Kanniga of Final year and Mr.S.Balaji published a paper on the 'GSM Based Transformer Fault Monitoring System', e-ISSN: 2395-0056, International Research Journal of Engineering and Technology (IRJET), Vol.6, Issue 3, Mar.19.

L. Aro Franklin, R.Dharun, D.Manimaran, A.Jaya Prassath of Final year and Ms.P.Bency published a paper on the 'IOT based Monitoring and Controlling of Smart Speaking Energy meter and Current Theft Detection Using Raspberry pi 3', International Research Journal of Engineering and Technology (IRJET), Vol.6, Issue 3, pp.1975-1978, Mar.19.

G Badri Narayanan, K Balaji, G Deepika, P Dinesh of Final year and Ms. R. V. Preetha published a paper on the 'Search and Rescue by using Camera Rescue Robot', International Research Journal of Engineering and Technology (IRJET), Vol.6, Issue 3, pp.1956-1959, Mar.19.

M.Pradeep, A.K.Shanmugam, S.Sulthan Allaudeen, M.Suryapraksh of Final year and Mr.P.Tamilarasan published a paper on the 'Design of Full Bridge Three Level LLC Resonant Converter for Wireless Battery Charging with Pulse Width Modulation', e-ISSN: 2395-0056, International Research Journal of Engineering and Technology (IRJET), Vol. 6, Issue 3, Mar.19.

R.Sathiya Priya, G.Padhmmini, E.Tamilselvan of Final year and Ms.K.Durgadevi published a paper on the 'Design and Implementation of Single Switch SEPIC Converter for supplying LED Driver and the Automation System', e-ISSN: 2395-0056, International Research Journal of Engineering and Technology (IRJET), Vol.6, Issue 3, Mar.19.

M. Kalyansuriya, S.R.Karthik Eswaran, N. Naveen, R.Kumaravel of Final year and Ms.G.Shanthi published a paper on the 'Speed Control of Electric motor using Ultrasonic sensor and Image Processing Technique with Raspberry Pi 3', International Research Journal of Engineering and Technology, Vol.6, Issue 1, pp.1696-1701, Jan.19.

B Abilash, G Aravindraj, S Kirushma, B Derin of Final year and Mr.S.Venkatesh published a paper on the 'IOT Based Solar Power Monitoring System', International Research Journal of Engineering and Technology (IRJET), Vol.6, Issue 3, pp.1956-1959, Mar.19.



R.Anjana, A.Aswin, S.Sharmila, M.Vimal Kumar of Final year and Mr.R.Raghul Kumar published a paper on the 'Design and Implementation of Solar Bicycle', International Research Journal of Engineering and Technology (IRJET), Vol.6, Issue 3, Mar.19.

M. Aravindan, R. Elanchezhian, B. Sabari, G. Vignesh of Final year and Ms.R. Elavarasi published a paper on the 'Improved Power Quality Switched Inductor CUK Converter for Battery Charging Application', e-ISSN: 2395-0056, International Research Journal of Engineering and Technology (IRJET), Vol.6, Issue 3, Mar.19.

V.N. Raj Sudharshan, S. Ramesh, S. Thamodaran, M.Uthavanatha Sarath Santhar of Final year and Mr.M.Kamalakaran published a paper on the 'Pothole and Hump Detection using LIDAR Sensor', International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056, e-ISSN: 2395-0056, Vol.6, Issue 3, Mar.19.

## Department of Electronics & Communication Engineering

Dr. B. Chidhambararajan, Principal, Prof attended the 48th National Annual Faculty Convention sponsored by TEQIP on 20.03.2019 organized by the Indian Society for Technical Education.

Dr. Komala James, Prof & Head received an award for the 'Best Professor in Communication Engineering' during the 11th Innovative DNA Education Leadership Awards held on 16.02.19 at Taj Lands' End, Mumbai for Academic Education.

Mr. C. Saravanakumar, AP and Ms. N. Subhashini AP received awards for mentoring the following student projects under the India Innovation Challenge Design Contest 2018 organized by the DST & Texas Instruments.

An Automated System for Water Resource Management in Building Construction & 'Sixth Sense Farmers' during January 2019.

Dr. J. Mohan, Asso Prof presented the 'Realization of Neuro Morphic Computing system for Automatic Brain Tumour Segmentation in Magnetic Resonance Images' for SERB project proposal at IIT Delhi during 31.01.19 - 01.02.19.

Mr. A. Pandian, AP completed the self-paced training courses on the 'MATLAB Onramp & Deep Learning Onramp' during 04.01.2019 - 05.01.2019.

Ms. S. Swathi, Mr. A. Srikanth and Mr. S. Seenu Aravind Raj of Final year got the approval for the financial assistance from the college management for the project on 'Smart Security System for women by detecting psychological and physiological variation with rescue measures' under the supervision of Dr. N. Usha Bhanu, Asso Prof during Students' Projects 2018-19.

Dr. Komala James, Prof acted as a Judge in the SAE India Contest on the 'Efficient Tractor Design' for the final year students on January 2019 organized by the Mechanical Engineering Dept. VEC.

'A New Fangled Smoke Jumper' project undertaken by the Final year students Ms.S.Rajarajeshwari and Ms. V. Vaishali was selected under the TNSCST Project Sponsorship Scheme in March 2019 under the supervision of Mr. C. Saravana Kumar, AP.

As IETE Students' forum of the Dept of ECE was adjudged as one of the active IETE ISF of Chennai Centres for the Academic Year 2017-18. The IETE Coordinator Dr.Komala

James, Head/Prof received the 'Best IETE ISF Award' during the celebration of IETE Students' Day 2019 at Jeppiaar Maamallan Engineering College, Chennai on 26.02.2019.

Dr. Komala James, Prof acted as Jury during the 'Intra College Technical Contest' for the Second and Third Year students conducted on 04.03.2019 organized by the CSI, Computer Science & Engineering Dept.

As part of the Women's Day Celebration, Dept of ECE Women Faculty members Dr. Komala James, Prof, Dr.N.Usha Bhanu, Asso Prof, Mrs. T. S. Sheriba, AP participated in a special competition, 'Making food without fire' held on 08.03.2019 and won the second place.

Ms. Kirthika Amalya Mol, Final year student got selected by Accenture to participate in the 'Graduate Internship Program' from 4th Feb to 31st April 2019 at Chennai Accenture.

Ms. Pournami Kenoth, Ms. G. Nivedha, Ms. R. Karthiga and Ms. G. Mythrayee of second year won the First Prize in the 'Hangman Competition' conducted by the Placement Dept, VEC in January 2019.

Ms.B.Pavithra Devi and Ms. Pournami Kenoth won the first prize and the second prize respectively in the Chess Competition conducted by the Sports Dept. VEC on Feb.2019.

## State Level Student Convention 2k19



A one day State Level Student Convention 2k19 was organized by VEC CSI Student Branch in association with the CSI- Kancheepuram Chapter at SRM Valliammai Engineering College on 05.03.19. The event was inaugurated by Dr B.Chidambara Rajan, Chairman, CSI Kancheepuram Chapter and Principal of Valliammai Engineering College. During the inauguration, the CSI Chairman, Kancheepuram Chapter delivered a speech explaining the various job opportunities, the concept of data analytics and its importance. He insisted that the students must not limit themselves to just securing pass marks in the Anna university exams, but must try to go beyond that and learn what is the recent trend going around. The students must try to obtain more insight on how to learn any subject and were motivated to indulge themselves in extracurricular activities. Dr.M.Murugan, Vice-Principal of SRM Valliammai Engineering College honoured the Chief Guest. Around 250 students participated with interest in various events like Code Vaganza, Quiz-O-Phile, Network Gaming conducted in this convention and showcased their talents and utilized this opportunity for their betterment.

Finally, the event was wrapped up at 3:50 p.m and was successfully completed and the students got an opportunity to exhibit their talents. This event was coordinated by Dr.M.Senthil kumar, Associate Professor/CSE, Dr.S.Ravikumar, Asst.Prof/IT and Mr.V.Santhana Marichamy, Asst.Prof/MCA.



Ms. G. Nivedha, Ms. T. Pragathi, Ms. B. Pavithra Devi, Ms. K. Pavithraa, Ms. M. Mohana Priya and Ms.S.Prabhashree, second year students won the second prize in the 'Rangoli Competition' conducted by the Placement Dept, VEC held in January 2019.

Ms. D. Sowbaghya, Ms. S. Tamil Selvi, Ms.G.Soundarya, Ms. M. Selva Meena and Mr.A.Santhosh underwent an Inplant Training on 'Tele Communications' at BSNL, Meenambakkam in Dec-Jan 2018.

Ms. R. Sharmila, third year student won the third prize in the 'Youth Potential Speech Competition' conducted by the YRC Dept, VEC in Jan 2019.

Mr. B. Rithick, second year student, won the third prize in the 'Pictionary Competition, conducted by the Placement Dept in Jan 2019.

Ms. J. Jevaslin Roshia, Final year student received the 'ISTE Best Student Award' on 01.03.2019 during the academic year 2018-19.

■ The following students won prizes in Circuit Debugging Competition in the IETE Student Day Celebration on 26th February 2019, organized by the IETE, Chennai Centre at Jeppiaar Maamallan Engineering College, Sriperumpudur.

- Ms. G. Mythrayee and Ms. T. Pragathi, second year students won the first prize.
- Mr. G. K. Ambarish, third year student won the third prize.

The Computer Society of India-VEC Student Branch conducted an 'Intra College Technical Contest' for developing Prototype model in the Hardware, Software Implementation and Mobile App Development irrespective of the domain on 04.03.2019. The following students participated in the events.

- The 'Easy Attendance Mobile App' by Ms.G.Nivedha, Ms. K. Pavithraa and Ms.Pournami Kenoth.
- The 'Hand Gesture using Arduino' by Ms.R.Karthiga, Ms.S.Sowmiya and Ms.S.Subhasri.
- The 'IoT based e-health monitoring device' by Ms.R.Divya, Ms. P. Anitha and Ms.V.S. Deepa.

Ms. N. Subhashini (AP/ECE), Dr. M. Murugan (Prof./ECE) published a paper titled "Performance Analysis of Cooperative Wireless Sensor Network with Index Based Modulation", The Journal of Engineering, IET Journals, <https://doi.org/10.1049/joe.2018.5431>, Online ISSN 2051-3305, vol. 2019, pp. 1-4, March 2019.

Ms.S.R.Preethi (AP/ECE), Dr.M.Murugan (Prof./ECE) and Dr. A. R. Revathi (Asso. Prof./IT) published a paper titled "Design, Implementation and Power Analysis of Pervasive Adaptive Resourceful Smart Lighting and Alerting Devices in Developing Countries Supporting Incandescent and LED Light Bulbs" Sensors 2019, Volume 19, Issue 9, 2032. <https://doi.org/10.3390/s19092032>

Dr. M. Murugan (Prof./ECE) coauthored the paper, "Layered Software Architecture for Heterogeneous Distributed Control System Using Hybrid Communication Channel" Journal of Web Engineering, Rinton Press, Inc., United States, 2018, Vol. 17, No.6, pp. 2429-2453. <http://www.journalofwebengineering.com/jweonline.php#v17n6>

Mrs. S. R. Preethi, AP presented a paper on the 'Review of Intellectual Video Surveillance through Internet of Things in the International Conference on Artificial

Intelligence, Smart Grid and Smart City Applications conducted at PSG College of Technology, Coimbatore during 4-5 January 2019.

Ms. T. U. Reshma and Dr. Komala James, Prof presented a paper on the 'Implementation of Internet Access in MPLS-VPN technique on ISP in the 2019 IEEE Conferences on Innovations in Communication, Computing and Instrumentation at Easwari Engineering College, Chennai on 23rd March 2019.

Ms. M. Vanitha and Dr. S. Ramesh, Asso Prof received the Best Paper award on the 'Wearable Antennas for Human Physiological Signal Measurements in the International Conference on the Emerging Current Trends in Computing and Expert Technology at Panimalar Engineering College, Chennai on 23<sup>rd</sup> March 2019.

Totally, 50 batches of final year students' project work have been completed with the following parameters such as social relevance, innovation, uniqueness, creativity and demo and their works have been published in various International & National Journals and Conferences in the Academic year 2018-19. The publication details are as follows,

The 'Voice Controlled Device for the Smart Home Services using IoT' in the 7th National Conference on Computing Communication & Information Technology, T.J.S. Engineering College, Thiruvallur was attended by Ms.D.S.Aarthey, Ms. A. V. Abinaya, Ms. G. Mohinder and Ms. K. Sobana, AP on March 2019.

■ The following papers were published in the International Research Journal of Engineering and Technology on March 2019.

Device for Location finder and Text reader for Visually Impaired People by Ms.G. Aarthi, Ms. S. Gowsalya, Mr.A.Abijith and Ms. N. Subhashini, AP.

Automated Targeting System for Open Space Military Area by Mr. T. Abisheik, Mr. S. Banupriya, Mr. R. Avinash and Dr. C. Amali, AP.

Portable Biometric E-Voting System by Mr.M.P.N.Adithya, Mr.J.Antony Rosario, Mr. H. Balaji, and S. R. Preethi, AP.

Automatic Septic Tank Cleaning System by Mr.A.Ajith, Ms. R. Aruna, Ms.M.Elackia and Dr.Komala James, Prof.

Human Hand Movement training with Exoskeleton arm by Ms. A. Akshaya, Ms.R. Aravind, Ms. J. Bilany Britto and Mrs.S. R. Preethi, AP.

## NPTel

Swayam-Nptel has recognized our College for the "Best Faculty Performance" based on the performance in the Nptel online certificate courses July-December 2018. The above awards were received on 19<sup>th</sup> January 2019 at IIT Madras, Chennai.

Dr. M. Anbuechezhiyan received the Appreciation Award for SPOC for our college being an active NPTEL Local Chapter during the period July-Dec. 2018.

Prof. H. Krishnan [Physics], Mr. S. Karthick [Civil], Mr.S. Senthil Babu [Mech] and Mr. Raja Sambandam [MBA] received the Mentor Awards in the NPTEL Local Chapter in July-Dec. 2018.

Nearly 76 (28 Students and 48 Faculties) registered for NPTEL online certificate examinations for Jan-Apr 2019.

## 'Life Time Achievement Award 2018'



**Dr. M. Murugan (Prof./ECE) Received Shri.P.K.Das Memorial 'Life Time Achievement Award 2018' by Nehru Group of Institutions, Coimbatore on 15.12.2018.**

Design of Miniature Antenna for Ultra Wide Band Applications by Mr.J.Andran Naveen Prakash, Mr.G.P.Arvind, Ms. A. Asuvaitha Priyadharshini and Mr.A.G.Muralikrishna, AP.

Magnetic Induction based Communication on the Agricultural Field using Wireless Underground Sensor Networks by Mr. T. Anish Kumar, Ms.A.Aswini, Mr.D.Dinesh and Ms.K.Kamala, AP.

Smart Wearable Helmet with EEG by Mr. M. Daniel, Mr.N.Dhanush Kumar, Mr. K. Harish and Mrs. S.Abirami, AP

Industrial Disaster Control System using Hanging Robot by Ms. A. Devi Priya, Ms. A. R. Gayathri, Ms.U.Keerthana and Mr. M. Selvaraj, AP.

Home Locker Surveillance without using CCTV camera by Ms.S.Dhanalakshmi Ms. D. Gopika, Ms.S.Harini and Ms. N. Subhashini, AP.

Underground Cable Fault detection and Transmission of Intimation through Soil Wireless Transceiver by Mr.B.Gunasekhar, Mr. T. Harish, Mr. S. Jayasurya and

Mr.A. Anbarasan, AP.

Accident Prevention & Emergency Awareness Using Augmented Reality by Ms.L.Harini, Ms. R. Sangeetha, Mr.S. Bharani and Dr. Komala James, Prof.

Designing a Portable Hemoglobinometer Using Raspberry PI by Mr. S. Raga Iswariya, Ms. Shweta Haran, Mr. N. Vignesh Kamsan and Dr. J. Mohan, Asso Prof.

Smart Surveillance CAM Using Face Recognition Algorithm by Mr.P.Ramkumar, Mr. M. Surendar, Mr.T.Udhaya Kumar and Mr.D.Murugesan, AP.

Efficient Mileage Tracking for Vehicular environment by Ms. P.Priya Dharshini, Ms. A. Sandhiya, Mr. N.Santhosh and Dr. N. Rajesh, AP.

Pollution Free Energy Generation from Speed Breaker by Mr.S.Praveen Kumar, Ms.B.Priyadharshini, Mr.S.Ramachandran Manoharan and Mr.S.Senthil Murugan, AP.

Optimization of Surveillance Camera for Low Cost Storage Device by Ms.S.Ramya, Ms.M.Porpavai, Mr.V.Rajesh and Ms. R. Birundha, AP.

Rescue of Psychological Infirmary People Using Wireless Network by Ms. Rama Devi, Mr.A.Sanmugapriyan, Ms. D. Tamil Aruvi and Dr.J.Mohan, Asso Prof.

Portable Surveillance Robot Using IoT by Mr.K.RajKumar, Ms. C. Yuvashree, Mr. C. Saravanakumar and Mr.S.Senthil Murugan, AP.

Effective Detection of Mass Abnormalization Using Svm Clarifier with Digital Image by Mr. R. Prasanna, Mr.B.Harish, Ms.M.Sharmila and Mr.T.V.Sudhir, AP.

Analysis of Alzheimer's Disease on MRI Image Using Transform and Feature Selection Method by Mr.B.G.Sharan Gopan, Ms. P. Shruthi, Ms. M. Yokhasri and Mr. A. Pandian, AP.

Finger Vein Extraction and Authentication for security Purpose by Ms.M.Vaithegi, Mr. L. Gopinath, Ms.K.Swetha and Mr. A. G. Murali Krishna, AP.

## SPORTS

Mr. S. Saravanan, III Mech, won the Bronze Medal in Anna University Inter Zonal Taekwondo Men Tournament held at Mailam Engineering College, Mailam on 05th & 06th January 2019.

Ms. Battula Kalyani, II EEE, was selected to represent the Anna University Team in the All India Inter University Ball Badminton (Women) Tournament held at Krishna University, Machilipatnam on 07th to 13th January 2019.

Ms.K. Jeevitha III Civil, won the Silver Medal in the SBI Green Marathon Chennai 2019, and also won the Silver Medal in 800 meters run at RIVIERA 2019, International Sports Fest Athletics (Women) Meet.

Dr. N. Ganapathy, Director of Physical Education, VEC, represented as a Selection Committee Member for the Anna University Chennai Inter Zonal Sepak Takraw Selection Trails for Men, held at Eswari Engineering College, Chennai on 12.01.2019.

The Department of Physical Education successfully organized the Students' College Day Sports Events 2019. Events such as Basketball, Chess, Football, Handball, Kabaddi, Kho Kho, Table Tennis and Volleyball for Men, Chess, Kho Kho, Table Tennis and Throw ball for Women were conducted from 06.02.2019 to 12.02.2019.





## NCC NAVAL



The essence of education gets fulfilled when it is blended with social awareness and service. The evening hours of 29-01-2019 witnessed the initiation of a new strong wing of NCC Naval unit in the campus of SRM Valliammai Engineering College inaugurated by Cmde Vijesh Kumar Garg, Deputy Director General of NCC (TamilNadu, Pudicherry & Andaman and Nicobar), Captain (IN) Vijay Mohan Sharama, Commanding Officer, 4 (TN) Naval Tech Unit NCC. Lt. Commander G. Sivasankar, Executive Officer 4 (TN) Naval Tech Unit NCC and Dr. T.P. Ganesan, Director, VEC & Pro VC (P&D) SRMIST, Principal, Vice Principal graced the occasion. A Proud IITian, our Chief Guest who has marched into national service and shown his involvement towards involving young minds to seek and achieve great thoughts and Indian Values shared the thought that NCC is a blend of defense oriented training and community service. Besides thrilling opportunities and experiences that show case their talents, cadets will also learn to face challenges of life and serve the community and nation.



Our NCC cadets participated in Rowing Simulator Training Program at 4(TN) Naval Tech Unit NCC, Chennai 25 on 12.02.2019 and 25.02.2019 (Two Days).

Our NCC cadets participated in Ship Modeling Training Program at 4(TN) Naval Tech Unit NCC, Chennai 25 from 26.03.2019 and 29.03.2019 (Four Days).



Gesture Controlled Drone for Agricultural Assistance by Mr. Kingshuk Das, Mr. R. Moganaselvan, Mr. T. Bharathmaran and Mr. S. Marirajan, AP.

Humanoid Robot for Elderly and Child Guidance by Ms. S. Indhu, Ms. Kirthika Amalya Mol, Ms. M. Malathy and Ms. K. Sobana, AP.

Unmanned Ground Vehicle for Military Assistance by Mr. S. Mohamed Imran, Mr. K. Murugan, Mr. R. S. Narashimmhan and Ms. Indu Nikhil, AP.

Emergency Vehicle Pre-emption using Smart City concept by Ms. M. Ishwarya, Ms. G. Kavitha, Ms. S. Kowsalya, and Dr. C. Amali, AP.

Automated Face Detection and Recognition for detecting Impersonation of candidate by Ms. A. Jerolin Silviya, Mr. V. Devaraj, Mr. R. Vijay Bhoopathy and Mr. S. Marirajan, AP.

Intelligent Home Monitoring using IoT for Physically Challenged by Mr. M. Karthik Narayanan, Ms. V. Mahalakshmi, Ms. D. Nivetha and Ms. K. Arthi, AP.

Design of Mid band Frequency Patch Antenna for 5G Applications by Ms. D. Harini, Mr. V. Jagadeshwar and Ms. E. Mohana Priya.

Realtime Video Surveillance Architecture for secured city automation by Ms. R. Madhuram, Ms. M. Nasreen and Dr. N. Usha Bhanu, Prof.

■ The following papers were published in the International Conference on Electrical Communication and Computing, Tagore Engineering College, Kelambakkam in March 2019.

Split Triangular Antenna for 5G Wireless Communications by Ms. K. Anija, Ms. K. Deepika, Ms. B. Gomatheeswari and Dr. S. Ramesh, Asso Prof.

Miniaturization of A PIFA Antenna for Bio-Medical Application Using Artificial Neural Networks by Ms. G. Renuga, Mr. R. Rithesh Salunke, Ms. R. Sangavi and Dr. S. Ramesh, Asso Prof.

■ The following papers were published in the International Journal for Scientific Research & Development in March 2019.

VLSI Realization of Multipliers for Signal Processing Applications by Ms. C. Anitha, Ms. P. Buvaneshwari, Ms. S. J. Christal Diana and Mr. C. Saravanakumar, AP.

Wireless Gas Leak Detection and Localization for remote vehicles using WSN by Mr. R. Badrinath, Mr. J. Balaji, Mr. S. Hameed Nowfal and Mr. T. V. Sudhir, AP

■ The following papers were published in the 4<sup>th</sup> National Conference on Microwave and Millimeter wave Communication in March 2019.

A Wireless Controlled Digital Car lock for Secure Transportation by Mr. G. Ayyappan, Mr. K. R. Dhayalan, Mr. M. S. Arun Prasanth and Mr. M. A. Seenivasan, AP.

Adaptive Assistance for Cerebral palsy children using Wireless Communication by Ms. A. Mazarunisha Begum, Mr. D. Mukesh and Mr. M. Surendar.

The following papers were published in the Iconic Research and Engineering Journals in March 2019.

Virtual Reality based Disaster Management by Mr. S. Karthik, Mr. Ne. Ja. Makizh, Mr. A. Navaneetha Perumaal and Mr. A. Anbarasan, AP.

Smart Garbage Monitoring System Using IoT by Ms. M. Shuruthi, Ms. T. Swarnamugi, Ms. G. Swathi and Ms. K. Kamala, AP.

## Vectorians - Fine Arts Club



Vectorians - Fine Arts Club conducted events on the topic 'Promoting Engineering Studies' for the UG& PG students on 04.02.2019. The students participated in a variety of events thereby exploring the value of engineering.

Vectorians Fine Arts Club conducted different cultural events on the College Day on 01.03.2019. The Director and Producer of the National Award winning film 'Tolet' Mr. Chezhiyan and Mrs. Prema Chezhiyan presided over the function as the Guest of Honour. Around, 400 students from different branches participated and showcased their talents.



■ The following papers were published in the International Journal of Innovative Research in Computer Communication Engineering in March 2019.

Detection of moving foreground object structure using regression method by Mr. R. Krishnaprasanth, Mr. D. Logesh, Mr. C. Manimaran and Mr. M. Selvaraj, AP.

Design of Microstrip Antenna for Coupling Reduction by Mr. M. Muthu Ganapathy, Mr. M. Nivetha, Mr. V. Surya Kumar and Dr. N. Rajesh, AP.

Intelligent Shopping System Using Li-Fi Technology by Ms. J. Jebsalin Roshia, Ms. M. P. Keerthika, Ms. N. Menaga and Mr. D. Murugesan, AP.

■ The following papers were published in the International Conference on the Latest Trends in Science, Engineering and Technology in March 2019.

Women Safety System with Intraconnecting Networks Using IoT by Ms. B. Karkuzhali, Ms. K. S. Meghalapriya, Ms. V. Mercy and Ms. K. Arthi, AP.

Global Industrial Process Monitoring using IOT by Ms. V. Kavitharani, Ms. A. Mithra, Ms. N. Nasreen Banu and Mr. R. Dhananjeyan, AP.

Search and Monitoring Operations with the aid of Robotic Vehicle by Ms. S. Jazeela Banu, Ms. R. Mukila, Ms. Singh Mamta Anil and Mr. R. Dhananjeyan, AP.

Ms. S. Rajarajeshwari, Ms. V. Vaishali and Mr. C. Saravanakumar, AP published a paper on 'A New Fangled Smoke Jumper' in the EPRA International Journal of Multidisciplinary Research in Feb 2019.

Ms. J. Jayalakshmi and Dr. S. Ramesh 'Review on Recent Trends in Radio Frequency Identification Antennas for Wireless Body-Area Applications', National Conference on Microwave and Millimeter wave Communication, Valliammai Engineering College, Chennai, March 2019.

Ms. M. Vanitha and Dr. S. Ramesh 'Wearable Antennas for Human Physiological Signal Measurements Using 5G Technology', National Conference on Microwave and Millimeter wave Communication, Valliammai Engineering College, Chennai, March 2019.

Mrs. K. Kayalvizhi and Dr. S. Ramesh, 'A Broadband LR Loaded Dipole Antenna for Wireless Communication', International Conference on the Emerging Current Trends in Computing and Expert Technology, Panimalar Engineering College, Chennai, March 2019.

Ms. N. Subhashini, AP, Mr. T. V. Sudhir, AP and Second Year Sec 1 students went on an Industrial Visit to 'All India Radio', Mylapore, Chennai on 01.02.2019.

Mr. A. Pandian AP, Mrs. S. R. Preethi AP and Second year Sec 2 students went on an Industrial Visit to 'Green Pearl Electronics Pvt Ltd', East Potheri, Chennai on 01.02.2019. They observed the working of EMS, LED Lightings, Power Systems and Solar Products.

Dr. N. Usha Bhanu Asso Prof, Mr. S. Marirajan AP and Second year Sec 3 students went on an Industrial Visit to 'Doordarshan Kendra', Chepauk, Chennai on 08.02.2019. Mr. D. Dhandapani, Asst Engineer guided the students to various sections DD News channel such as Live Programme Recording Section, Transmitter Section, Receiver Section and Earth Station Section that controls the broadcast of Doordarshan Channel.

Dr. N. Rajesh AP, Ms. Indu Nikhil, AP and Second year Sec 4 students were divided into two batches. One batch went on an Industrial Visit to Chennai Metropolitan Water Supply & Sewerage Board, Water Treatment Plant, Puzhal & the other visited the Desalination Plant, Nemmeli, Chennai to get an awareness about the Environmental Science and Engineering on 14.02.2019.

## VEC-CSI Student Branch



The CSI-VEC Student Branch of Valliammai Engineering College organized a Guest Lecture on 'IoT opportunity and scope for young developers' for the CSI student Member Volunteers on 02.02.19. The CSI Coordinator Dr. S. Ravikumar AP/IT Dept. delivered the Welcome address and introduced the Chief Guest Mr. P. Sabarinath, Director, RESPRO LABS. The Chief Guest spoke on the Overview about Internet of Things, Current Trends in Engineering, future of IoT in day to day applications, brief introduction about machine learning, case study about zoom cars and real time IoT applications.

It was very interesting and useful for the students. It also gave the opportunity to our students to know about the current trend in IT Sectors about IoT and its opportunity. The CSI Coordinator Dr. M. Senthil Kumar, Asso. Prof./CSE introduced the CSI-VEC Student Branch office bearers. The prizes, certificates to participants and winners of Intra College Technical Contest-2018 were distributed. Finally, Mr. V. Santhana Marichamy, A.P. (Sel. G)/MCA proposed a vote of thanks.



Mr. R. Dhananjeyan, AP, Mrs. K. Sobana, AP and III year section 3 students went on an Industrial Visit to the 'Chettinad Health City Hospital', Kelambakkam, Chennai on 28.02.2019. They visited various depts such as Radiology, Nephrology, Cardiology, Ophthalmology, Pathology, Diagnostic/Imaging & Hospital Services and out-patient ward.

Mr. M. A. Seenivasan, AP, Mrs. K. Arthi, AP and Third Year Sec 4 students went on an Industrial Visit to Rajiv Gandhi Memorial Telecom Training Centre, Meenambakkam, Chennai on 28.02.2019 to sensitize the students about the Practical Challenges in Telecom Industry such as IOT Based Projects, Networking / MPLS VPN, GSM / CDMA Technology and Fibre Optics.

Dr. C. Amali, AP, Mr. M. Selvaraj, AP and Third Year Sec 1 students went on an Industrial Visit on 07.03.2019 to the Regional Telecom Training Centre, Maraimalai Nagar to get an exposure on the importance of Telecommunication Industries like Telecom Evolution, Internet, Broadband and Optical fiber Transmission.

A Seminar on the 'Smart Cities and 5G' was conducted in association with ISTE & IETE Students forum on 6<sup>th</sup> February 2019. The Chief Guest Dr. Prithiviraj Venkatapathy, Adjunct Professor, ECE Dept, Vignan



Seminar on the 'Smart Cities and 5G'

University, Puducherry delivered a lecture on the Smart City and its necessity, creativity in the fast growing digital world to achieve the goal. Also, he interacted with the students and discussed the innovative ideas in the field of Electronic design.

An Expert Lecture on the 'Emerging Trends in Telecom Industry' was conducted in association with ISTE & IETE Students forum on 27<sup>th</sup> Feb 2019. The Chief Guest Mr.R.Baskar, Sub-Divisional Engineer, RTTC, Bharath



Expert Lecture on the 'Emerging Trends in Telecom Industry'

Sanchar Nigam Ltd, Chennai delivered a lecture on the Evolution of Telecommunication and also explained the features of Internet of Things to the Students to gain knowledge on the Emerging Trends in Telecommunication.

A Workshop on the 'Advanced VLSI Design Tools' was conducted in association with the ISTE & IETE Students forum on 13<sup>th</sup> March 2019. The Chief Guest Mr. S. Robin Solomon, Manager, Microchip Technology (India) Pvt. Ltd Technologies, Chennai delivered a lecture on the Design of ASIC & FPGA, Design tools importance, Recent trends in IC Technologies and its Applications. He concluded his speech highlighting the skills required to the students to get placed in the core companies and about the opportunities in VLSI companies.

The Project Expo 2k19 was conducted on 20.03.2019 as a part of the 'Student Best Project 2019' during the academic year 2018-19. Three projects were shortlisted based on various parameters such as social relevance, innovation, uniqueness, creativity and demo.



Workshop on the 'Advanced VLSI Design Tools'

- The Automatic Septic Tank Cleaning System by Mr.A.Ajith, Ms. R.Aruna, Ms.M.Elackia under the supervision of Dr. Komala James, Prof.
- The Unmanned Ground Vehicle for Military Assistance by Mr. S. Mohamed Imran, Mr.K.Murugan, and Mr. R. S. Narashimhan under the supervision of Ms. Indu Nikhil, AP.
- An Efficient mileage tracking for Vehicular Environment by Ms. P. Priyadarshini, Ms.A.Sandhiya, Mr. N. Santhosh under the supervision of Dr. N. Rajesh, AP.

### National Conference on Microwave and Millimeter wave Communication



The 4th National Conference on Microwave and Millimeter wave Communication was conducted on 21<sup>st</sup> March 2019 in association with ISTE & IETE Students' forum. Dr. Komala James, Head/Prof delivered the welcome address and introduced the Chief Guest Dr.D.Sheela, Dean (R&D), Head/ECE, Tagore Engineering College. She inaugurated the Conference with a few highlights on the recent Research & Developments in Microwave and Millimeter wave Communication. Totally, 38 technical papers were presented by the students.



## Department of Electronics & Instrumentation Engineering

The Dept. in association with the ISA VMEC Student Charter organized the following program.

Guest Lecture on the 'Placement Opportunity for EIE Students' delivered by Mr. SathishKumar P, Senior Software Engineer, Health Plix, Bangalore on 8<sup>th</sup> January 2019.



Guest Lecture on the 'Placement Opportunity for EIE Students'

Guest Lecture on the 'Modern Design Technologies in Instrumentation and Control' delivered by Mr. Pathasankar A.M, Lead Engineer-Projects, Dritto Technologies' Pvt Ltd., Chennai on 11<sup>th</sup> January 2019.



Guest Lecture on the 'Modern Design Technologies in Instrumentation and Control'

Under the Centre of Excellence, a workshop was organized on 'Learn the Bot' on 26.1.2019 for school students.



Workshop on 'Learn the Bot'

Under the Centre of Excellence a Second Level of Robotics Training Programme was organized on 5<sup>th</sup> and 6<sup>th</sup> Jan. 19.



Second Level of Robotics Training Programme

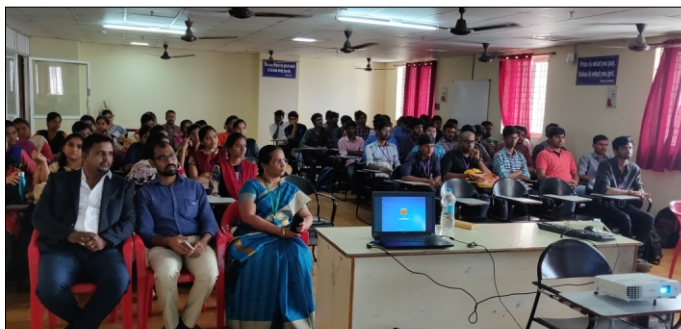
Entrepreneurship Development Institute of India, Ahmadabad and National Science & Technology Entrepreneurship Development Board, DST, Govt. of India organized a three day Entrepreneurship program from 04<sup>th</sup> to 06<sup>th</sup> February 2019.



'Skill Development Program in Robotics'

Under the Centre of Excellence supported by Sak Robotix Lab Pvt. Ltd, IIT, Bhuvaneswar a 'Skill Development Program in Robotics' was organized on 8<sup>th</sup> Feb. 2019.

In the Workshop on the 'Emerging Trends in Industrial Automation' the speech was delivered by Mr.M.K.Swaminathan, CEO, Arobot, Chennai (Director, MooVita, India-Singapore) on 09<sup>th</sup> Feb. 2019.



Workshop on the 'Emerging Trends in Industrial Automation'

A special address was delivered in the Seminar on 'Higher Studies-Scopes and Benefits' by Mr.S.Sateesh Kumar, Chief Mentor, IMS Learning Resources Pvt. Ltd. on 13<sup>th</sup> February 2019.



Seminar on the 'Higher Studies-Scopes and Benefits'

Parents' Teachers' Meeting on 23<sup>rd</sup> February 2019.

GATE coaching classes for the benefit of III and IV year students during the period from 26<sup>th</sup> December 2018 to 11<sup>th</sup> January 2019 and from 30<sup>th</sup> January 2019 to 8<sup>th</sup> February 2019.

A talk on the 'Job Opportunities and Current Technological Developments' was delivered by Mr.K.Sundar (Oracle BPM Specialist), Infosys Ltd, Chennai on 9<sup>th</sup> March 2019.

PROJECT EXPO2K19 was organized on 15<sup>th</sup> March 2019 for the Polytechnic students. Various streams of



students from different Polytechnic Colleges in Chennai participated and displayed their projects in this exhibition.

PROJECT EXPO2K19 was organized on 21<sup>st</sup> March 2019 for the school students. A total strength of 131 students from various schools gained knowledge from the projects displayed by the EIE students.

The Second Year U.G students (Section-1) of the Dept of EIE visited Sakthi Transformer, Chennai on 31<sup>st</sup> Jan 2019.

The Second Year U.G students (Section-3) of the Dept of EIE visited the Integral Coach Factory (ICF) and the Chennai Rail Museum, Perambur, Chennai-38 on 1<sup>st</sup> Feb 2019.

The Second Year U.G students (Section-2) of the Dept. of EIE visited SANDS India Pvt. Ltd., Chennai on 4<sup>th</sup> January 2019.

Kailash.S, Karthick Raja.A, Mahesh.R, Murugappan.S of Final year and Ms. V.Mangaiyarkarasi published a paper on the 'Portable GHT(Glucose, Heart rate, Temperature) Tricorder using Arduino UNO' in the International Journal of Trend in the Scientific Research and Development.

Balajiram.V, Bharathwaj.T.A, Dharun Pranesh.K, Kasiraja @ Sathish.P of Final year and Dr. Andy Srinivasan published a paper on the 'Optical Character Recognition for the Visually Impaired People in Shopping Trolley Using Raspberry Pi 3' in the International Research Journal of Engineering and Management Studies.

The Faculty and the Final year students published papers in the following journal.

(i) International Journal of Engineering Science and Computing

Dr. AndySrinivasan, Keerthana.D, Keerthana.M, Lalitha Priya.K published a paper on the 'Voice Based Home Automation using Raspberry Pi and Echo-Dot', Vol.9, Is.3, Mar.19.

Balaji.S, Dinesh Raj.K, Jagath.P, Dr. K.Ayyar, published a paper on Fruit Grading System, Vol.9, Is.3, Mar.19.

Gowtham.S, Gowthaman.T, Janarthanan.G, Dr.K.Ayyar, published a paper on 'DTMF based Robotic Control for Surveillance Monitoring', Vol.9, Is.3, Mar.19.

Nithish Vathul.M.S, Rathna Kumar.R, Sailesh.S, Vijaykrishna.E, Mr. P.Tamilmani published a paper on Brain Controlled Neuroprosthetic Chair, Vol.9, Is.3, Mar.19.

Naveendran.V, Santhosh.K, Siva Kumar.M, Ms.K.S.Jaibhavani published a paper on IoT Based Flow Control System, Vol.9, Is.3, Mar.19.

Pradeep.A.R, Sandeep.B, Suresh.K, Sabari Ganesh.J, Dr. S.C.Prasanna published a paper on Web-Based Remote Monitoring & Control System, Vol.9, Is.3, Mar.19.

Ms.Vanila.S, Akash Kumar.H, Balaganesan.M, Megavarshitha.P.V, Menaga.A published a paper on PEST Imaging Using IoT, Vol.9, Is.3, Mar.19.

Ms.M.Shanthi, Kadiravan.R, Kowsalya.R.J, Lokha Raj.N, Madhu Meena.M.K published a paper on Li- Fi Based Smart Shoe for Blind, Vol.9, Is.3, Mar.19.

Ms. Sandhya.V.P, Arun Kumar.R, Ajay Kumar.M, Hema Sri.E, Varshini.G published a paper on LiFi Based ATM Security using Hand Vein Biometric Identification, Vol.9, Is.3, Mar.19.

Esther Malini.J, Gary Paul Thomas.D, Anis Ahmed.M, Hari Kumar.M.P, Mr. N.Sowrirajan, published a paper on Driverless Metro Train using Arduino, Vol.9, Is.3, Mar.19.

Parameshvaran.S, Umapathy.G, Vijayakumar.S, Yuvaraja.H, Ms. M. Ramya Princess published a paper on Violation Prevention of Traffic rules and Helmet detection using Machine learning, Vol.9, Is.3, Mar.19.

(ii) International Research Journal of Engineering and Technology

Sanjay.S, Sanjay Narayan.K.R, Shathir.M.K, Vaishnu Venkata Shiva Prasad.S, Dr. S.Visalakshi published a paper on IoT based Digital Signage Board, Vol.6, Is.3, Mar.19.

D. Rahul Raj, S. Rajeevan, B. Thirumruga, Dr.S.Visalakshi published a paper on Vehicle Control with Advanced Tyre Monitoring, Vol.6, Is.3, Mar.19.

Ram Charan.B, Sudeesh Kandasamy.P, Tharanish.B, Mr. P.Tamilmani published a paper on the Advanced Control Strategy for MIMO System, Vol.6, Is.3, Mar.19.

Nivetha.K, Roobini.R, Sharmitha.R.S, Sruthi.J, Ms.K.S.Jaibhavani published a paper on Advanced control strategies for Mold Level Process, Vol.6, Is.3, Mar.19.

Prithiuan.D, Ramakrishnan.P, Sakthivel.R, Senthil Kumar.M, Dr. S.C.Prasanna published a paper on Web Based Air& Noise Pollution Monitoring and Alerting System, Vol.6, Is.3, Mar.19.

Pavithraa.M, Priya.K, Priya.M, Ms. Z. Jenifer published a paper on 'IoT Based LPG Gas Booking and Monitoring System', Vol.6, Is.3, Mar.19.

Prasanna.S, Praveen Kumar.K, Sandeep Kumar.R, Tarun Kumar. M, Mr. G.Shiva published a paper on Health Monitoring and Stress Detection System, Vol-06, Issue-3, Mar-19

(iii) International Research Journal of Engineering and Technology

Akila.M, Anitha.S, Deebe.V, Mr. R.Issan Raj published a paper on Microcontroller Based Advanced Fabric Tension Modeling & Implementation, Vol.6, Is.3, Mar.19.

Deivanai.S, Jagadeeshwari.S, Kaviya.G, Mr.K.R.Ganesh published a paper on An Efficient Approach for Lung Disease Detection and Classification, Vol.6, Is.3, Mar.19.

Mr. Parameswaran. B, Abdul Hakkim Rabbani. A.S, Abdur Rasik T. K. M, Karthikeyan. A. K, Keerthi. J published a paper on the 'Automated IoT Based Indoor Irrigation', Vol.6, Is.3, Mar.19.

(iv) International Research Journal of Engineering and Technology

Priyadarshini.S, Renuka.K, Sandhiya.K, Shrilekha.K, Ms. K.Rathna Priya published a paper on 'Doctors Assistive System using Augmented reality for critical Analysis', Vol.6, Is.3, Mar.19.

Mr. C.Praveen Kumar, Anna Prince. A.J, Arunkumar.M, Dinesh Kumar.U, Giritharan.V published a paper on 'Advanced Railway Gate Security System', Vol.6, Is.3, Mar.19.

R.Krithiga III Year EIE participated in the International Conference organized on 4<sup>th</sup> and 5<sup>th</sup> January 2019 at PSG College of Technology, Coimbatore.

Jayasuriya. V and Chockalingam. G of III Year EIE participated in Shaastra Smart City Challenge S2C2 - Shaastra 2019 organized on 4<sup>th</sup> January 2019 at IIT Madras.

S. Diya, S. Shanmuga Raj, M. Vishnu Prasad, V. Santhosh Kumar, T. Vimalash & T. Vignesh of III Year EIE participated in a one day workshop on 'Hands on Training on Processing of Bio signals using MATLAB' organized on 1<sup>st</sup> February 2019 at Karpagam Academy of Higher Education, Coimbatore.

Jayasuriya.V, III Year EIE won 1st prize in the event Research Conclave - Technical Symposium, organized on 14<sup>th</sup> to 16<sup>th</sup> February 2019 at Amrita School of Engineering, Coimbatore.

## Department of Information Technology

The Industrial Visits to the companies are as follows.

i. The 'Image Creative Education Pvt. Ltd., Chennai' on 22.03.19 for the IV year IT-1 students.

ii. The 'CIRF, Chennai' on 21.03.19 for the IV year IT-2 students.

iii. The 'Infoziant Pvt. Ltd., Chennai' on 07.02.19 for the II year IT-1 students.

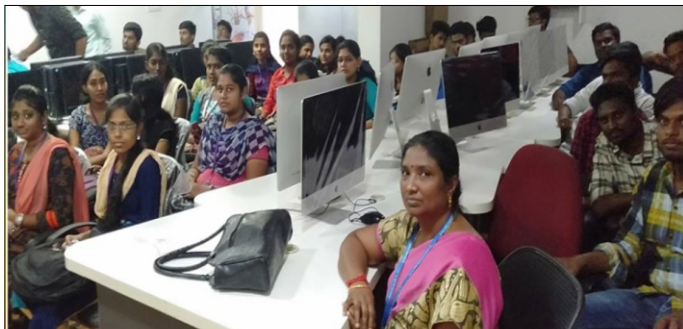
iv. The 'Kaashiv InfoTech, Chennai' on 09.02.19 for the II year IT-2 students.

v. The 'BSNL-DTTC, Chennai' on 07.03.19 for the III year IT-1 students.



Industrial Visit to 'BSNL-DTTC, Chennai'

vi. The 'Image Creative Education Pvt. Ltd., Chennai' on 14.02.19 for the III year IT-2 students.



Industrial Visit to 'Image Creative Education Pvt. Ltd., Chennai'

## Youth Red Cross

An Oral Competition on the Youth day was conducted on 10.01.19. The program started at 4.00pm, with the introduction to the competition and later, Swami Vivekananda, the great philosopher's ideals were highlighted. The speakers spoke on the 'Youth Potential'. Finally, the gathering was asked to identify their own unique potential and to optimize it. The prize winners were awarded their prizes on the occasion of the Republic Day, 26.01.19.



Oral Competition on Youth day

The World Cancer Day - Tobacco Menace Campaign was conducted on 04.02.19, The Block Medical Officer of Nandivaram-Guduvanchery was the Chief Guest who spoke on various aspects of cancer. The volunteers also spoke on the tobacco menace and videos on cancer and tobacco were played.

An awareness camp on Rubella, Women Wellness and Women Students' Motivation was organized by the Youth Red Cross and Students Affairs Cell in association with the Inner Wheel Cub of Madras South, Maraimalainagar. It was successfully conducted on 26-02-19, Tuesday, between 2.00 pm and 4.00 pm. The gathering was welcomed by the YRC Coordinator followed by the speeches of Ms. PDC. Nalini Prabhakar, Dr. Sripriyapragasam and Ms. Archanadevendran. The talks were well received by the women students, teaching staff and non teaching staff present there.



Awareness camp on Rubella, Women Wellness and Women Students

A poster competition to celebrate, the World Water Day, was conducted, on 22.03.19. The gathering was welcomed by the YRC Coordinator, followed by the speeches of the volunteers viz. V. Giridharan, G. Sankarbabu, R. P. Shanmugi and N. Surya on the importance of conserving water. Later, S. Shalini and B. Sharmila sang songs on the theme.

The competition was judged by the First Year Chief Coordinator.

1. First Prize - R..Vishnupriya-III
2. Second Prize - J.Rameshkumar-I yr- Mech3
3. Third Prize - R.Methun-I yr - CSE2



Poster competition to celebrate, the World Water Day



vii. The 'C-DAC, Tidel Park, Chennai' on 07.03.19 for the III year IT-3 students.

Viii. The 'Spiro Technology, Chennai' on 07.02.19 for the II year IT-3 students.



Industrial Visit to 'Spiro Technology'

A Guest Lecture on the 'XML Databases' was organized on 09.01.2019 and the Resource Person was Mr.R.Ramprakash, Member, Leadership Staff-Machine Learning & Analysis, Zoho Corporation, Chennai.



Guest Lecture on the 'XML Databases'

A Guest Lecture on the 'Web Services and its Applications' was organized on 04.02.2019 and the Resource Person was Mr.Sennavazhagan Elango, Software Developer, QAssure Technologies Pvt. Ltd., Chennai.



Guest Lecture on the 'Web Services and its Applications'

A National Seminar on the 'Recent Trends in Internet of Things' jointly with the Department of Computer Applications was organized on 16.02.19. Mr.Arunachalam Jayaraman, Senior Director, Application & Digital Platform Engineering, Virtusa Consulting was the Resource Person.

Dr.R.Meenakshi, Professor, published a paper on the 'Smart Firewall using Machine Learning' in the 'International Research Journal of Engineering and Technology'.

Mr.K.Elaiyaraja, A.P and Ms.S.Sandhya, A.P published an article on the 'Applications of Language and Speech Processing in Effective Communication and Knowledge Sharing in the Digital Market' and 'Revolution of Natural Language Processing in India' in the CSI Communication Jan and March 2019 Issue.

Ms.S.Jeyalakshmi, A.P published a paper on the 'Forum for Citizen Grievance' and 'Advanced Two Factor Authentication using Image Processing' in the 'International Research Journal of Engg. and Technology'.

Mr.M.Kavinkumar, A.P published a paper on the 'Discovery of Recipes based on Ingredients using Machine Learning' in the 'International Research Journal of Engineering and Technology'.

Mr.K.Elaiyaraja, A.P published a paper on the 'AJNA A Smart Assistance for the Visually and Cognitively Impaired' in the 'International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engg'.

Ms.R.Shanthi, A.P published a paper on the 'Stock Market Trend Prediction using Machine Learning' and 'Arrhythmia Recognition and Classification using ECG Morphology and Segment Feature Analysis using Support Vector Machine' in the 'International Journal of Innovative Research in Computer and Communication Engineering'.

Ms.R.Saranya, A.P published a paper on the 'Detection of Leaf Diseased and Classifying them using Multiclass SVM' in the 'International Research Journal of Engineering and Technology'.

Mr.K.Elaiyaraja, A.P and Ms.S.Sandhya, A.P published papers on 'An Amplifying Image Approach: Non-Iterative Multi Coverage Image Fusion' and 'A Hybrid Fusion of Multimodal Medical Images for the Enhancement of Visual Quality in Medical Diagnosis' in a Book Chapter on the 'Computer Aided Intervention and Diagnostics in Clinical and Medical Images, Springer'.

Dr.S.Narayanan, A.P published a paper on the 'IoT Based Wearable Device Monitoring Driver's Stress, Fatigue and Drowsiness' in the 'International Journal of Scientific & Engineering Research'.

## Department of Placement and Career Guidance

The Department of Placement & Career Guidance conducted a Workshop on Placement Communication made Easy by Ms.Rebecca on 26<sup>th</sup> February 2019 for the ECE & EEE 2<sup>nd</sup> Year Students.

For the Pre final year students an 'Orientation Programme' was organized by Ms.J.J. Monica Paul along with the alumni of VEC on 21<sup>st</sup> March 2019.

The companies visited are Nexgen Designs, Active Intelligence, Calotropics Software Solutions, Valued Epistemics, CTS, Torry Harris, Fourkites, Virtusa, Mbit Wireless, Odyssey Technologies Ltd., Subex, NTT Data, Sutherland Global Services Ltd., Anglo Eastern, Robert Bosch, Genxlead, Maestro Steel Detailing and 51 students were selected.

The placement Club 'Scholastic Ingnium' organized the following programmes.

1. 'Hangman & Poetry Challenge' on 3<sup>rd</sup> January 2019.
2. 'Pictionary & Anagram' on 10<sup>th</sup> January 2019.



## Department of Mechanical Engineering



Industrial Visit to 'SRM Auto Tech Private Limited', Chennai

An Industrial Visit was arranged for the III year Sec 3 students on 04.01.19 to 'SRMAuto Tech Private Limited', Chennai.

An Industrial Visit was arranged for the II year Sec 3 students on 10.01.19 to 'Varicon Pumps & Systems Private Limited', Ambattur. Mr.C.Govindhan, Chief Supervisor explained the various sections.

A Guest Lecture on 'Gas Dynamics' was organized for the III Year students on 11.01.19. Dr. Kannan B.T. Research Assistant, Professor, Aerospace Engg - Aerodynamics, Department of Aerospace Engg, SRM Institute of Science and Technology.

'National Seminar on Emerging Technologies in Mechanical Engineering' in association with SAEINDIA VEC Collegiate Club and Renewable energy club was conducted on 02.02.19. The number of participants for the seminar was 108. The expert speakers were Mr.Ganesh Adiga, Deputy General Manager, Mahindra and Mahindra, Mr. N.Vijayakumar, Head, Fatigue and systems, Mahindra and Mahindra, Mr.Praveenkumar, Senior Manager, Mahindra and Mahindra, Mr.P.L.Muthukaruppan, Managing Director, Zero Watts Sustainable Solutions.



National Seminar on Emerging Technologies in Mechanical Engineering

A Guest Lecture on the 'Advanced Internal Combustion Engines' was organized for the IV Year students on 13.02.19. Mr.K.Baskaran, CEO & Founder, KTec Agros Pvt Ltd.

An Industrial Visit was arranged for our IV year Sec 1&2 students to 'Monotech Systems Limited' Chennai on 15.02.2019. Mr.M.Nallathambi, Chief Executive explained the various sections.

Value Added Course on the 'Engineering Simulation and its Application in FEA' was conducted from 30.01.2019 to 27.02.2019. Mr.P.Ramu, Assistant Professor., Coordinator of the course.

Dr.P.Mathivanan, Professor published his paper titled 'Damping properties if Cloisite 15A mixed Aluminium-GFRP Laminates' in the UGC approved International Journal of Research and Analytical Reviews, Vol. 6, Iss 1, pp 519-521.

## SAEINDIA BAJA 2019



SAEINDIA BAJA - 2019 Final event was held at IIT Ropar, Punjab from 06.03.2019 to 11.03.2019. VEC Team Autobots (OFF Road Racing) official team of our college having 25 Members were participated in the final Event.

## Bharat Formula Karting Championship



A Three day Bharat Formula Karting Championship event was held at Kari Motor speedway, Coimbatore from 28.02.2019 to 02.03.2019. Vec- Team Excilibur (ON Road Racing) official team of our college having 25 Members were participated in the final Event.

Dr.P.Mathivanan, Professor published a paper titled 'Study on the damping characteristics of epoxy-cloisite 30B filled hybrid metal fibre composites' in the Scopus indexed 'International Journal of Applied Engineering and Research', Vol. 14, Num. 1 (2019) pp.166-169.

Dr.P.Mathivanan, Professor presented his paper in the National Conference on the Recent Advances in Mechanical Engineering at SriRam Engineering College titled 'Effect of Nanomer 1.30E blended Epoxy on the impact strength of Aluminium-Glass Fiber laminates'.

Dr.S.Thirugnanam, Professor, Dr.P.Mathivanan, Professor, Mr.T.R.Vikas, PG Student presented their paper in the National Conference on the Recent Advances in Mechanical Engineering at Sri Ram Engineering College titled 'Engineering wear property by manganese phosphate coating'.

Ms.N.Nithya, Assistant Professor (Sr.G) presented her paper in the Second International Conference on Sustainable Energy Resources, Materials and Technologies titled 'Alleviation of Regenerative chatter using MR Damper during End Milling Process' at SSN College of Engineering on 15.03.2019.

Mr.K.Velavan, Assistant Professor published his paper titled 'Wear Reduction Analysis of Aramid Matrix Composites' in the International Journal of Mechanical and Production Engineering Research and Development, ISSN (P) 2249-6890, ISSN (E) 2249-8001, special issue.

Dr.K.Sivakumar, Associate Professor published his paper titled 'Metallurgical and mechanical characterization of TiCN/TiAlN and TiAlN/ TiCN bilayer nitride coatings' in the International Journal of Surfaces and Interfaces.





A Six day 'BAJA SAEINDIA 2019' Final event was held at IIT Ropar, Punjab from 06.03.2019 to 11.03.2019. Registration of the event was held on 06.03.2019. Our students cleared the following rounds: Aptitude Test, Interview, Engine test, Technical Inspection, Cost Presentation and Sales Presentation. Due to the technical issue of membrane height, our team was not selected in the final round. Our students got valuable inputs from the industrial experts and appreciations for the compact vehicle.

A three day BFKC Final event was held at Kari Motor speedway, Coimbatore from 28.02.2019 to 02.03.2019. Registration of the event was held on 28.02.2019. Our students cleared the following rounds: Report Presentation, Business plan, Design evaluation, Technical Inspection, Vehicle Dynamic Evaluation- acceleration test, brake test, skid pad test, and auto cross test. Due to the technical issue in the back wheel stud, our team was not selected in the final round. But, our students got an exposure to the technical details.



SAEISS MWC Division Student Convention - TIER II event was conducted on 30.01.2019 & 31.01.2019. Dr S. Leenus Jesu Martin, Professor & HoD, Director - Student Campus life, SRMIST delivered the inaugural address and the Special Invitees Mr. Ganesh Adiga, DGM Mahindra & Mahindra & Mr.Praveenkumar Sr. Manager Mahindra & Mahindra. Dr.S.Senthilkumar, Professor, SRMIST & Dr.P.Muruganandham, Professor & HoD JPR Institute gave various inputs to the participants. 244 students were registered from various colleges. The first day, 29 events were conducted for 154 participants. 20 Judges from Mahindra & Mahindra & 11 Judges from our college validated the results as per the rulebook which was given by SAEINDIA

Southern Section. The second day started with registration and totally, 117 students registered. 21 events were conducted on various categories. 10 judges from Mahindra & Mahindra and 8 judges from our college validated the results as per the SAEISS Rule book.

## Department of Master of Business Administration

A Guest Lecture on 'Consulting Service to Niche Business Categories' was organised for the MBA Students on 11.02.2019 by Mr. S. Krishnan, Soft Skill Trainer with an expertise on Training on Business Communication Skills.

As an Institutional Social Responsibility Initiatives the dept. organized drawing competitions for the school students at Ananthavalli Matriculation. Hr. Sec. School, Urupakkam on 20.02.2019. More than 25 students from different classes participated and showcased their talents on the theme 'environment'.

An industrial visit to M/s Diamond Engineering Pvt. Ltd, Chennai was organized for the first year MBA students on 28.02.2019. The students were received by Mr.P.Mohanraj, Managing Director and were briefed.

An industrial visit to M/s Modern Bakers Pvt Ltd., (Parle G Plant), Chennai was organized for the first year MBA students on 07.03.2019. The students were briefed by Mr.Paul Raj, HR - Manager of the company.

The Dept. of Management Studies organized a 'Workshop on Capital Markets' on 13.03.2019. Mr.Hari Ganesh, Director, Wisecare India Pvt. Ltd inaugurated the workshop and addressed the students on the evolution of capital markets, DEMAT Accounts, Risk Management, Electronic Trading and the value and growth of BSE and NSE. Mr. Uthramoorthy, Manager Operations, FINMARK

Trainers India Pvt. Ltd, Chennai, handled a live demo session to the students on how to buy or sell in the capital market in a small scale.

Students' Project 'Rehabilitation of Natural Fertilizers to the Farmers in Kanchipuram District' was organized on 29.03.2019. The Chief Guest Mr. Krishna McKenzie addressed the students.

E-Cell of Valliammai Engineering College, organized 'Bazaar 2.0' a two-day entrepreneurship development activity on 8<sup>th</sup> and 9<sup>th</sup> March 2019. The event was focused towards kindling the entrepreneurship spirit among students. 90 Students from various branches of Engineering and Management registered and participated in the event. 18 stalls selling self-made bags, toys, organic food products, handmade jewelry and garments were setup by the participants for sale.

## Department of English

Ms. V. Jayanthi and Ms. M. Arthi attended a workshop on 'Advanced Reading and Writing' organized jointly by the Dept of English, Easwari Engineering College and Dept of English, Anna University on 10<sup>th</sup> January 2019.

The first and second sessions of the Oratorical Competitions under the auspices of 'Burke Club' were held on 6<sup>th</sup> February & 12<sup>th</sup> March 2019. The first year students actively participated and exhibited their oratorical skills. The winners were rewarded with prizes and certificates.



Oratorical Competitions under the auspices of 'Burke Club'

A National Conference titled 'Effective strategies, innovative methods and integrated pedagogical approaches to learning and teaching English in heterogeneous classrooms' was organized on 23<sup>rd</sup> February 2019. The Chief Guests were Dr. Arputharaj Devaraj, Director, ACT College of Education and Dr. T. Pushpanathan, Asst Professor, Dept of English Sri Candrasekharendra Saraswathi Viswa Mahavidyalaya, Kancheepuram.



National Conference on 'Effective strategies, innovative methods and integrated pedagogical approaches to learning and teaching English in heterogeneous classrooms'

A Workshop on 'Enriching the comprehending skills of limited English proficient learners' was conducted on 9<sup>th</sup> March 2019. The Resource person for the day was Dr. Ramya, Asst Professor, SRMIST.



National Conference on the 'Effective strategies, innovative methods and integrated pedagogical approaches to learning and teaching English in heterogeneous classrooms'

Ms. R. Geetha and Ms. V. Jayanthi, presented papers at the 2<sup>nd</sup> International and 11th Annual Conference, ELTAI, 'Multiple Technologies: Teaching Literature, Mass Media and Business English' held at SRMIST during 7<sup>th</sup> - 9<sup>th</sup> February, 2019.

- Ms. R. Geetha -'Pedagogy of Learning through Slogan Writing'.
- Ms. V. Jayanthi 'Survival of English Literature in the Digital World'.
- The following Staff members published papers in the UGC approved Journal, 'Language in India', Vol.19:3, Mar.19, ISSN1930-2940.

1. Mr. N. Lakshmana Perumal, Professor and Ms.S.Shyamala, A.P., 'Developing Communication Skills: A Diagnostic and Remedial Approach'.
2. Ms. Sheeba Manodh, A.P., 'Taking Assessment Forward: A Milestone in English Language Learning'.
3. Ms. R. Geetha, A.P., 'Hesitation and Ambiguity: Major Constrains of LEP in the Heterogeneous Classroom'.
4. Ms. M. Chithra, A.P., Ms. V. Jayanthi, A.P., 'Multiple Learning Styles to Improve Writing Skills'.
5. Mr. Abhishek David John, A.P., and Ms.M. Arthi, A.P., 'Verbal Communication Skills for Placement'.
6. Mr. Abhishek David John, A.P., 'Presentation Skills for Engineers'.
7. Ms. M. S. Shyamala, A.P., 'Classroom Environment'.

## National Service Scheme

The NSS unit of Valliammai Engineering College in association with SIMS Hospital and Kattankulathur - Potheri centennial Lions Club organized a Blood Donation Camp at Valliammai Engineering College on 13.02.2019.

At the end, nearly 125 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. The Principal and the Vice-Principal appreciated the donors. They also congratulated Mr.S.Parthasarathy, NSS Programme Officer for the successful completion and coordination of this Blood Donation Camp at Valliammai Engineering College. "There is no great joy than saving a life".

The NSS unit of Valliammai Engineering College in association with Puthiyathalaimurai Nammal Mudiayum team and Chitralaya Trust conducted a plastic eradication awareness event on 24.02.2019 at Royal Palm Gardens apartments, Velachery. The main objective of this event was to create awareness about avoiding the usage of plastic bags and ensuring the usage of cloth bags.

The camp ended in a very useful way. At the end of the event, around 200 cloth bags were distributed to the residents of the apartments.



Rain water harvest pit

The NSS unit of Valliammai Engineering College in association with THE CREW organization conducted a plastic eradication awareness event in the adopted village Ozhalur on 21.02.2019 and at Tambaram Railway Station on 22.02.2019. The main objective of this event was to create awareness about avoiding the usage of plastic bags and ensuring usage of cloth bags.



The event was held in a well disciplined and grand manner. At the end of the 2 day event, we collected around 1200 plastic bags were collected and distributed and around 1000 cloth bags to the people and awareness was given to around 2500 people about the disadvantages of using plastic and advantages of using cloth bags.

The 70<sup>th</sup> Republic Day of India was celebrated in SRM VEC. The Students and Staff took part in it. The Principal unfurled the National flag and received the salute from the parade. He addressed the gathering. In his speech, he highlighted the importance of the Constitution and its unique features such as Sovereign, Socialism, Democracy and Republic enshrined in the preamble of the constitution. Thought provoking speeches were delivered by the NSS volunteers on the significance of this memorable day. Adding to that, our traditional martial art 'Silambam' was performed. Then, various other representations of the classical arts in the form of dance and skit were performed by the students. Finally, the National Anthem was sung.

National Voters' Day or Rashtriya Matdata Diwas is celebrated on January 25 every year. The significance of the National Voters' Day is to encourage more young voters to take part in the political process.



NSS Volunteers cleaning the area

Based on the communication from the District Collector, forwarded by the Assistant Registrar of Voters, Chengalpattu, all the first year students and staff took a pledge on the occasion of the National Voters' Day. The NSS Volunteer read out the 'Ethical Voting' pledge in all the first year classes repeated by the staff & students.

The NSS unit of Valliammai Engineering College organized a special camp at Ozhalur village, Chengalpattu, Kancheepuram District from 27.02.2019 to 05.03.2019. According to the Central Government scheme 'Unnat Bharat Abhiyan', NSS volunteers carried out the vision of transformational change in rural areas to help build the architecture of an inclusive India.



Construction of common toilets by SRM VEC NSS Volunteers

The Special Camp was organized with the help of the Block Development Officer, Kattankulathur. The main

project for this camp was based on making the village Ozhalur free from open defecation, by constructing four communal toilets near a stone mine where most of the civilians cannot afford a toilet of their own, then to construct a water rejuvenating soak pit and to clean the bank of pond.



Construction of Common Toilet

On the last day of the Special Camp, the NSS volunteers invited the village people for the inauguration. Dr.B.Chidhambara Rajan, the Principal, and Dr.M.Murugan, the Vice-Principal, Valliammai Engineering College, were invited as the Chief Guests of the event. The HODs of different departments also accompanied them.



Construction of Common Toilet

The moment of the inauguration came. All the six common toilets which were constructed during June 2018 were inaugurated by the NSS Programme Officer in the presence of Chief Guests. Then, two water rejuvenation units were also inaugurated by the team heads of the NSS volunteers. Finally, the newly constructed four communal toilets were also inaugurated by the senior NSS volunteers.

Then, 'Nammal Mudiya media team, Puthiya Thalaimurai had interview with the Chief Guests and the NSS Programme Officer.

## Department of Physics

Ms. S. Gandhimathi and Ms. R. Nithya Balaji presented their papers in the National Conference on the 'Recent Advances in Chemistry' (RAC-19) on 4<sup>th</sup> & 5<sup>th</sup> January 2019, organized by the Dept of Chemistry, Anna University.

A Guest lecture was delivered by Mr. Shubrajit Bhaumik, Assistant Professor, Department of Mechanical Engineering, SRM Institute of Science and Technology, S.R.M Nagar, Kattankulathur on the 'Recent Trends in Surface Engineering' on 24<sup>th</sup> January 2019.





Guest Lecture on the 'Recent Trends in Surface Engineering'

A Guest lecture was delivered by Dr. R. Murugaraj, Assistant Professor, MIT Campus, Chennai on the 'New Engineering Materials' on 26<sup>th</sup> February 2019.



Guest Lecture on the 'New Engineering Materials'

The Department of Physics organized the 3<sup>rd</sup> National Seminar on the 'New Engineering Materials and their applications' (NSNEMA-2019) on 23<sup>rd</sup> March, 2019.



National Seminar on the 'New Engineering Materials and their applications'

Ms. R. Nithya Balaji published her research paper on the 'Synthesis, molecular structure and multiple biological activities of N-(3-methoxyphenyl)-3-(pyridine-4-yl)-1H-pyrazole-5-carboxamide' in the Journal of Molecular Structure on 23<sup>rd</sup> February 2019.

## Department of Chemistry

Dr. L. Devaraj Stephen, Dr. S. G. Gunasekaran and Dr. M. Soundarrajan published a paper in the International Journal 'Rasayan Journal of Chemistry' titled 'Design and development of novel flexible bismaleimide toughened multiwalled carbon nanotube reinforced epoxy nanocomposites'.

The Department of Chemistry organized a Guest Lecture on 'Pollution Impact on Biodiversity' on 28<sup>th</sup> January 2019. Dr. Keerthi, Assistant Professor, Department of Chemistry, Anna University, Chennai delivered the lecture.



Guest Lecture on 'Pollution Impact on Biodiversity'

The Department organized the 2<sup>nd</sup> National Conference on the 'Recent Developments of Chemistry in Engineering Applications' on 09<sup>th</sup> Feb 2019. The proceedings of the Conference was released in the form of a booklet with ISBN NO. by the Chief Guest Dr. Md. Mahiuddin Baidya, Associate Professor, Department of Chemistry, IIT Madras, Chennai and delivered a lecture on the 'Coordination Chemistry of Ruthenium in Catalytic Reactions'. Dr. S. Renganathan, Professor, Dept. of Biotechnology, Anna University, Chennai delivered a lecture during the second session on the Production of Biodiesel from Marine Macroalgae. The third Resource Person was Dr. C. Vijayanand, Assistant Professor, Department of Chemistry from Vellore Institute of Technology, Vellore who delivered a lecture on the Formation of Molecular Anions by Radiative Electron Attachment. Around 90 abstracts were received from various researchers from different colleges who discussed their research findings in the Conference.



National Conference on the 'Recent Developments of Chemistry in Engineering Applications'

The Department of Chemistry organized a Guest Lecture on the 'Non-conventional Energy Resources' on 11<sup>th</sup> March 2019. Dr. B. Muthuraaman, Assistant Professor, Dept of Energy, University of Madras, Chennai delivered the lecture.



Guest Lecture on the 'Non-conventional Energy Resources'

The Dept of Chemistry and Physics jointly organized a Technical Meet on 28.03.2019 for the First Year



B.E/B.Tech students under the auspices of the Physical Sciences Club.

Dr. N. Jayaprakash published a book on 'Engineering Chemistry' for the First year B.E/B.Tech by Cengage Learning India Pvt Ltd during February 2019.

Dr. M. Soundararajan, Dr. S. G. Gunasekaran and Dr.L.Devaraj Stephen filed a patent in IPR on the 'Biosorption of toxic heavy metal ions from water onto chitosan immobilized penicillium microspheres' on 28<sup>th</sup> Feb 2019.

## Department of Mathematics

Dr.S.Chitra, AP (Sl.G) attended an International Conference on the 'Graph Theory and its Applications' on Jan 4<sup>th</sup> to 6<sup>th</sup> 2019, Amrita Vishwa Vidyapeetham, Coimbatore.

Dr.S.Chitra, AP (Sl.G) published a paper on the 'Application of perfect domination in logistics services using web service composition', in the Journal of Computer and Mathematical Sciences, Vol.10, No.2, Feb.2019.

Ms. N.Prabhavathy, AP (O.G) presented a paper on the 'Minimum Dominating Eccentricity Energy of a Graph' in the International Conference on Mathematical Methods and Computation on 20.02.2019 & 21.02.2019 organized by the P.G. & Research Department of Mathematics, Jamal Mohamed College, Tiruchirappalli.

Dr.S.Chitra, AP (Sl.G) and Ms. N.Prabhavathy, AP(O.G) published a paper on the 'Minimum Dominating Eccentricity Energy of a Graph, in the American International Journal of Research in Science, Technology, Engineering & Mathematics.



Guest Lecture on the 'Applications of Queueing Theory'

The Mathematics Association 'Euler.com' organized a Guest Lecture on the 'Applications of Queueing Theory' on 22<sup>th</sup> February 2019 for the II year B.E., Computer Science students. The lecture was delivered by Dr. P.Sivarama Krishna Das, Professor, Department of Mathematics, KCG College of Technology, Chennai.

The Mathematics Association 'Euler.com' organized 'Mathfest 2K19' on 09.03.19 for the first year B.E., B.Tech, students. The events conducted were Olympiad, Puzzles, Paper Presentation and Mathematical Modeling. Around 200 students participated in Olympiad and Puzzle. Five teams presented their posters portraying the application of the mathematics in various fields. Fifteen teams presented their papers which focused on the application of mathematics in Engineering and Technology. In the afternoon session, Quiz programme was conducted and after that, the valedictory function was held. Dr.S.Chitra, HOD/Maths gave away the prizes to the winners.



'Mathfest 2K19'

The Mathematics Association 'Euler.com' organized a Guest Lecture on the 'Laplace Transform and its Applications' on 27<sup>th</sup> March 2019 for the I year students. The lecture was delivered by Mr.T.G.Bhaskar, Assistant Professor, Department of Mathematics, Loganatha Narayasamy Government College, Ponneri, Chennai.

## Tamil Mandram

Mr.K.Shanmugam, AP/CSE, participated in a one day workshop on Writing Science, Engineering and Technology in Tamil on 04.01.2019 organized by the Centre for Development of Tamil in Engineering and Technology, Anna University, Chennai.

Paarivendhar Manavar Tamil Mandram in association with the You Tube channel Vallinam of Valliammai Engineering College, conducted a Pongal pattimandram on the topic 'Who celebrates the festivals in a grand manner - Rural students or Urban students?' On 10.01.2019. Dr.P.JayaGanesh, Assistant Professor & HOD/Tamil, SRM Arts and Science College acted as the judge for this debate. M.Shamini, Final year/IT, Mr.K.Shanmugam, AP/CSE and K. Ramesh Aravind, Third year/ EIE defended the topic Rural students, while N.Bala Abirami/EEE, Dr.T.Isaiarasi, AP/Maths, G.Sankar Babu, Firstyear/ECE defended the topic Urban students.



Pongal pattimandram on the topic 'Who celebrates the festivals in a grand manner Rural students or Urban students?'

Paarivendhar Students' Tamil Mandram celebrated the 70<sup>th</sup> Republic Day on 26.01.2019 and conducted Pattumandram on the topic 'Are good thoughts in old film songs or new film songs?'. Mr.K.Shanmugam, AP/CSE acted as the judge for this debate show. R.Lakshmi/EIE, A.J.Annaprince/EIE, J.Dharshini/First year-CSE conveyed the moral messages that are in the old songs. Auroshri/IT, P.Adhavaraj/Civil, R.Aarthiprakash/CSE conveyed the moral messages that exist in the new songs.

K.Sankar Babu, Dept of ECE, First year participated in the State Level Speech Competition organized by the Central Law College, Salem on the topic 'Kannadhasan Oru Sagaptham' on 31.01.2019.



Paariveandhar Students' Tamil Association, Valliammai Engineering College organized a Workshop on 'Tamil Padipillakiyya Arangam' (தமிழ்ப் படைப்பிலக்கிய அரங்கம்) on 31-01-2019. The workshop was inaugurated by Dr.B.Vanathi, HOD/CSE and Mr. K. Shanmugam, AP/CSE, the Coordinator of Tamil Mandram, delivered the Welcome Address. The Resource Person was Dr. S.Selvam, Former Director, and Centre for Development of Tamil in Engineering and Technology, Anna University, Chennai.

K.Sankar Babu, Dept of ECE, First year, participated in the Tamil Debate Competition organized by the Student Affairs Cell of SRM Institute of Science and Technology on 08.02.2019.



Workshop on 'Tamil padipillakiyya arangam'

Mr.K.Shanmugam,AP/CSE acted as a judge for the debate show for the event IMPACT-19 organized by the SRM institute of Science and Technology on 09.02.2019.

K.Sankar Babu, Dept of ECE, First year, won the Special Prize in the Speech Competition organized by the Loyola College, Chennai on 19.02.2019.

K.Sankar Babu, Dept of ECE First year, participated in the Speech Competition organized by the Centre for Development of Tamil in Engineering and Technology on the event of Thiruvalluvar Day on 27.02.2019 and in the SRM Milan-2019, Literary Events organized by the SRM Institute of Science and Technology on 08.03.2019. He also won the First Prize in the Speech Competition organized by the Saral Tamil Mandram, SSN College of Engineering on 09.03.2019 and also won the Fourth Prize in the Debate show.

Every Thursday, different Tamil activities such as Speech Competitions, Poetry Competitions, and Debate Competitions are conducted by our College Paarivendar Students' Tamil Association for developing the Tamil language skills of the students. Totally, 3 events were conducted in this semester.

Poriyari, the Tamil Technical Bulletin was released on 28.03.2019. The quarterly bulletin 'Poriyari' was released under the auspices of SRM Valliammai Engineering College and Paarivendhar Students' Tamil Association.

This technical bulletin was released by Dr.T.P.Ganeasan, the Director and received by Dr.B.Chidhambara Rajan, the Principal, Valliammai Engineering College.



Poriyari, the Tamil Technical Bulletin released by Dr.T.P. Ganesan, The Director, VEC

On this occasion, Dr. M. Murugan, the Vice Principal and Mr.K.Shanmugam,AP/CSE were also present.

Technical Tamil Bulletin Valai Vasal Varuga, the technical book written in Tamil by Dr.B.Chidhambara Rajan, Principal and Mr.K.Shanmugam, Asst. Prof of Dept of Computer Science and Engineering of Valliammai Engineering College was released by Dr. T.P. Ganesan, the Director, Valliammai Engineering College on 28.03.2019.

Valai Vasal Varuga consists of details pertaining to the happenings related to the day-to-day details presented lucidly with apt illustrations. The latest techniques employed in the computer field such as Data Analytics, Cloud Computing, Grid Computing, Data Mining, Natural Language Processing, Artificial Intelligence, Internet of Things, Big Data, Machine Learning, Image Processing, Virtual Reality, Augmented Reality,



Technical Tamil Bulletin Valai Vasal Varuga, released by Dr. T.P. Ganesan, the Director

Block Chain, Cyber Security, Autonomous Machine are explained. This book has been prepared catering to the needs of the students at tertiary level. Moreover, this book has been written in Tamil for the easy understanding of students. On this occasion, Dr.M. Murugan, the Vice Principal was also present.

Mr.K.Shanmugam,AP/CSE, participated in the one day workshop on writing Science Engineering and Technology in Tamil on 29.03.2019 organized by the Centre for Development of Tamil in Engineering and Technology, Anna University, Chennai.

SRM Valliammai Engineering College in association with Parivendhar Tamil Mandram conducted the 'Teachers' Annual Day Celebration 2019' on 28<sup>th</sup> February 2019 at 2.30 p.m. This event took place in the presence of the Director of SRM Valliammai Engineering College, Dr.T.P.Ganesan, Dr.B.Chidambara Rajan, the Principal and Dr. M. Murugan, the Vice Principal of SRM Valliammai Engineering College.

Dr. K. Gnanasambandhan, Professor, Thiagarajar College, Madurai was the Chief Guest. He distributed the Prizes to the following categories (i) 100% result in individual subjects. (ii) Publication of Books (iii) External Research Fund (iv) Paper Publications in National & International Journals (v) Sports, etc.



Hearty Welcome given to 'Teachers' Annual Day Celebration 2019' Chief Guest Dr.K.Gnanasambandhan