



# SRM Valliammai Engineering College

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## VEC NEWS

[Quarterly]

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### Tamil Mandram

K.Sankar Babu, Dept of ECE First year, won the First Prize in the District Level Speech Competition organized by the Loyola College Tamil Department on 15.12.2018.



K.Sankar Babu, I Yr. ECE, won the First Prize in the District Level Speech Competition

Paarivendhar Manavar Tamil Mandram in association with the NSS unit of Valliammai Engineering College celebrated the birthday of Sri Subramaniya Bharathiyar on 11.12.18. K.Sankarbabu, Dept of ECE, First year delivered a speech highlighting the salient characteristics of Bharathi that kindled patriotism and nationalism among the youngsters. S.Shaalini, Dept of IT, Second year spoke on the significant contributions of Bharathi as a poet and a journalist.

Mr.K.Shanmugam, AP/CSE, delivered a special address on 'Clean India ' during the Swachhta Pakhwada program on 08.12.2018 organized by the VEC NCC Naval unit.

Paarivendhar Students' Tamil association/VEC organized a one day tour to visit a Gallery of Pazhanthamizhar Vazhviyal located at the International institute of Tamil Studies for the Staff Coordinators of Paarivendar students' Tamil association and for the staff from the other depts of VEC on 06.12.2018.



Faculty visit to the Gallery of Pazhanthamizhar Vazhviyal

K.Sankar Babu, Dept of ECE First year, delivered a special address on 'Bharathiyar Oru Samugakavi' during the celebration of the birth anniversary of Bharathiar on 02.12.2018 organized by Tambaram Tamilsangam.

### State Level Tamil Speech Competition



Mr. Sankar Babu, I Year/ECE secured the 4<sup>th</sup> place in the State Level Tamil Speech Competition organized by Sardar Vallabhai Patel Memorial Trust on 31.10.2018. The prize was presented by the Hon'ble Governor of Tamil Nadu Thiru Banwarilal Purohit.



Workshop on 'Programming with Python for Tamil Computing Process'

The Centre of Excellence for Data Analytics and Machine Learning, Dept of Computer Science and Engineering, Kani Tamil Peravai in association with the CSI Kanchipuram Chapter, Valliammai Engineering College organized a one day Workshop on 'Programming with Python for Tamil Computing Process' on 16-11-2018. The workshop was inaugurated by Dr.B.Vanathi, HOD/CSE and Mr.K.Shanmugam, AP/CSE the Coordinator of Kani Tamil Peravai, delivered Welcome Address. The Resource Person was Mr.T.Shreenivasan, DevOps Engineer, TVF Play.com and Founder of Kaniyam.com. The expert highlighted the importance and objectives of organizing the workshop. The outcome of the workshop was to provide special benefits for the First year students to create their own spell checker applications in Tamil.

Topics such as

- Introduction to Open Tamil Python Library
- Tamil Unicode Sting Handling
- Count words, Reverse string and Find string
- Font Conversion
- ngram analysis

were elaborated.

Project ideas for small prototype:

- Building a Spellchecker
- Build a Sandhichecker
- Build a Stemmer
- Build a Dictionary

Ms.R.Thenmozhi AP/IT, the Coordinator proposed a vote of thanks.

K.Sankar Babu, Dept of ECE First year, won the Second Prize in the Speech Competition organized by the Tamilzhaga Pengal Seyarkalam on 03.11.2018.



K.Sankar Babu, 1 Yr. ECE won the Second Prize in the Speech Competition

K.Sankar Babu, Dept of ECE First year, won the Second Prize in the Speech Competition organized by Dr. MGR Arts and Science College for women on 10.10.2018.

Tamil Development Organization, Tamil Nadu Government, conducted State Level Speech, Essay Writing and Poetry competitions for college students on 05.10.18 and K.Sankar Babu, Dept of ECE First year, participated in the Speech Competition and J.Dharshini, Dept of CSE First year, participated in the Essay Competition.

## Department of Civil Engineering

P.Ragu, (2010-2014 batch) secured the merit position-I in the 'Indian Army Technical Graduate Course - TGC 128' and is undergoing training for the Lieutenant Position at the Indian Military Academy (IMA), Dehradun.

Dr.D.Elango, Professor and Head Civil Dept. has been elected as an Executive Committee member for IE (I) Kanchipuram Local Chapter for a period of three years.

Mr.N.Arunprakash, A.P. received the best student advisor award from Dr.Gunaraja, National President, IE (I) Kanchipuram Local Chapter on 12.10.18, held at Sri Sairam Institute of Technology, Chennai. A.L.Balambal, Final year, received the best student award from him.



AL.Balambal, IV year, receives the best student award from IE(I) Kanchipuram Local Chapter

K.Jeevitha, third year, participated in the Anna University Athletics Meet- Zonal and won Gold (400m), Silver (800m) in running and Bronze (4x400) and Silver

(4x100m) in the Relay held at ARS Engineering College, Chennai on 13<sup>th</sup> and 14<sup>th</sup> Oct. 2018.

K.Jeevitha, third year student participated in the Anna University Inter- Zonal Meet 400m run held at Kongunadu Engineering College, Thottiyam on 28<sup>th</sup> and 29<sup>th</sup> Oct. 2018.

Faculty members of the Dept went on an industrial visit to the Indian Institute of Surveying and Mapping, Uppal, Hyderabad on 11<sup>th</sup> and 12<sup>th</sup> Nov. 2018.



Industrial visit to the Indian Institute of Surveying and Mapping, Uppal, Hyderabad

The Dept of Civil Engineering in association with the Institution of Engineers (I) organized a five day Faculty Development Programme (FDP) on 'Environmental Engineering II' from 15.11.18 to 20.11.18. Participants from various Engineering colleges participated in the Faculty Development Programme.



FDP on 'Environmental Engineering II'

Prof. Dr.S.Amal Raj, Centre for Environmental Studies, Anna University, Chennai inaugurated the programme and he spoke on the Planning for Sewerage Systems, Factors affecting the Characteristics and Composition of Sewage, Effluent Standards and Legislation requirements.

As part of FDP, an Industrial Visit to the IIT Madras for the Faculty members was arranged. The process of sewage treatment was explained by the Plant Engineer Mr.Murugan.



Industrial Visit to the IIT Madras as part of FDP

G.Akash, Second year student, participated in the 'National Roller Hockey Championship-2018' held at

Visakhapatnam organized by the Roller Skating Federation of India on 18.12.2018 to 23.12.2018.

K.Jeevitha, third year, participated in 'GeoMarathon' and won the 8<sup>th</sup> position in the open category Women 5000m run held at YMCA, Nandhanam on 23.12.2018.

B.Aravindhan, J.Arniha, S.Ganeshkumar, C.Gayathri, L.Vijey Kumar and M.Vasanth Kumar, Final year students participated in an Awareness Programme on Disaster Management and Emergency Planning in Rural Development' held at Dhaanish Ahmed College of Engineering on 26.12.2018 and 27.12.2018.

6 Under Graduate and 36 Post Graduate students underwent In-Plant Training at various organizations during November -December 2018.

## NCC NAVAL

A Combined Annual Training cum - Thal Sainik Camp (TSC) for about 550 National Cadet Corps was conducted at the SRM Valliammai Engineering College from 04.06.2018 to 13.06.2018.



Combined Annual training cum - Thal Sainik Camp

The cadets from various schools and colleges of Chennai, Kancheepuram and Thiruvallur districts coming under the jurisdiction of 1 (TN) Sig Coy NCC, Tambaram participated in the CATC Cum TSC. This camp was conducted to make the cadets become eligible for the certificate A, B and C being held in January to March 2019.

The cadets were being given training in the basic military training like weapons, map reading, drill, and field and battle craft. They also supported to develop their personality by Dr.Sridevi, Physiotherapist under the Personality Development Programme and a demonstration of rescue operations on the Nature Disaster by the National Disaster Response Force (NDRF), Arakkonam. They were encouraged to expose their talents in various fields like cultural activities such as solo singing, group singing, solo dance, group dance, aerobic dance and sports activities. The Group Commander inspected the camp and interacted with the cadets and they were selected for the Republic Day Camp 2019 in New Delhi. He further appreciated and thanked the Management of Valliammai Engineering College for the support given to organize the camp in a grand manner. The Camp Commandant and the Commanding Officer of 1 (TN) Sig Coy NCC, West Tambaram with the Physical Inspectors, Schools and Colleges ANO's were present on this occasion.

The NCC (National Cadets Corps) cadets' Enrolment Process was successfully completed on 29.10.2018 in our college along with 4(TN) Naval Technical Unit NCC for the academic year 2018 - 2019. The cadets (both Boys / Girls) were selected based on their physical and mental abilities. The NCC provides exposure to the selected cadets in a

wide range of activities in creating social awareness, instilling discipline and encouraging adventure training, rifle firing and ship modeling.

Our College NCC Cadets participated in the Inauguration of SWACHHTA PAKHWADA event on 08.12.2018. In this event, Mr.K.Shanmugam Assistant Professor / CSE delivered a talk on 'Clean My City', He highlighted on personal and environmental cleanliness. Dr.R.Meenakshi Assistant Professor (Sel.G) and HOD / IT encouraged the students to involve themselves in different extracurricular activities which would mould their personality.



Inauguration of SWACHHTA PAKHWADA event

Our College NCC Cadets participated in the event of 'Painting of Speed Breakers' in our college under SWACHHTA PAKHWADA event on 08.12.2018.



NCC Cadets took part in the 'Painting of Speed Breakers'

Our College NCC Cadets undertook Cleaning of Government Hospital, Guduvanchery under SWACHHTA PAKHWADA event on 08.12.2018. Our NCC cadets cleared the bushes in the hospital areas.

Our College NCC Cadets participated in the Awareness Rally of ODF from Valliammai Engineering College to Guduvanchery under SWACHHTA PAKHWADA event on 08.12.2018.

The Firing Camp for 500 NCC (National Cadet Corps) was conducted in Small Arm Firing Range at SRM Valliammai Engineering College, from 05.01.2019 to 07.01.2019.



Firing Camp for 500 NCC Cadets at SRM Valliammai Engineering College

The cadets from various schools and colleges of Chennai, Kancheepuram and Thiruvallur districts coming

under the jurisdiction of 4 (TN) NAVAL TECH UNIT NCC, Anna University, Guindy participated in the Firing Camp. This camp was conducted for training the Cadets to handle the Arms (.22 Rifle) and Target Shooting Practices for three days. The cadets were being given training in the basic military training.

## Department of Computer Science & Engineering

Dr. M. Senthil Kumar published a paper on the 'Fusion Imagine in Pixel Level Image Processing Technique A Literature Review' in the International Journal of Engineering & Technology, Innovative Science and Research Technology, Vol.7, 3.12 2018.

Ms. K. Devi published a paper on the 'Reliable Cloud Based Architecture for Multilevel Fault Tolerance' in the International Journal of Management, Technology & Engineering, Vol: 8, Issue 11, ISSN: 2249-7455, Nov 2018.

Ms. V. Rashmi, III Year, CSE secured Runner Up in the Cycle Polo Championship held on 03.11.2018 & 04.11.2018 at Sri Jayendra Saraswathi Swamigal Golden Jubilee School, Tirunelveli.



V. Rashmi, III Year, CSE secured Runner Up in the Cycle Polo Championship

Dr.B.Vanathi and Mr.K.Shanmugam fetched an MoU between the Dept. of CSE, Center of Excellence in Data Analytics and Machine Learning (CoE-DAML) with Kaniyam Foundation for the Development and Consulting in Information Technology specializing Tamil Computing process on 22.12.2018.



MoU between the Dept. of CSE, Center of Excellence in Data Analytics and Machine Learning (CoE-DAML)

A one day workshop was conducted on 'Installing and Operating MEGHDOOT - Academic Cloud Environment of C-DAC' on 26.12.18.

A one day workshop was conducted on 'Drafting for Patent Filing' on 28.12.18

A five day Faculty Development Programme on 'Artificial Intelligence, Machine Learning, Cloud Computing and their Applications' was organized from 29.11.2018 to 04.12.2018.



Workshop on 'Drafting for Patent Filing'

A five Day Faculty Development Programme on the 'Advanced Architecture, Computing and Intelligent Systems' was organized from 13.11.2018 to 17.11.2018.

A one day Staff Development Training Programme on 'Ms Excel' was organized on 05.12.2018.

A Motivational Talk on the 'Aptitude Technical Test and Business Communication' for the Second year CSE students was delivered on 14.12.18. The Resource Person was Ms.Sujitha, alumna of VEC (2006-10 batch). The expert highlighted the important features like Aptitude Skills Development, Business Communication and Career Guidance.

A Motivational Talk for the Second year CSE students was organized on 12.12.18. The Resource Person was Ms.Ramya Arun, Co-founder of Wizo Training solutions and Pan- India Training & Consulting Company, Chennai. The expert highlighted the important features like attitude, Career guidance, recent trends in computer fields and expectations of the industries from the students.

## Department of Electrical & Electronics Engineering

Conducted a one day Staff Development Programme on 'Hands on training on LED fabrication' on 30<sup>th</sup> November 2018. Mr.Raja. R, Project Head in Embedded-ARM, SANDS was the Resource Person.



SDP on 'Hands on training on LED fabrication'



We are happy to inform that our Vice Principal Dr.M.Murugan has been honoured with 'Shri P K Das Memorial Life Time Achiever Award 2018' with a cash prize of Rs.25,000/- for his outstanding contribution in the field of education.

## Department of Electronics & Communication Engineering

Conducted a six day Faculty Development Programme on the 'Linear Integrated Circuits and Applications' from 3<sup>rd</sup> to 8<sup>th</sup> December 2018. Dr. S. Malathi, Asst Prof., Dr.R.Arivalahan, Asso Prof. and Mr.M.Kamalakkanan, Asst Professor, Dept of EEE were the Resource Persons for the first three days. Ms. D. Pushgara Rani, Asst Professor, Dept of ECE, Sri Sairam Institute of Technology and Mr. E. Govindan, Asso Professor & Head, Department of ECE, RRASE College of Engineering handled the sessions on 6<sup>th</sup> and 7<sup>th</sup> December 2018.



FDP on the 'Linear Integrated Circuits and Applications'

On 8<sup>th</sup> December 2018, the Faculties went on an industrial visit to Pantech Prolabs India Pvt. Ltd, Semmancherry, Chennai-119.

The students of IV EEE 1 visited 230kV Substation at Singaperumal Koil on 27.12.2018.



Industrial Visit to 230kV Substation, Singaperumal Koil

The students of IV EEE 2 visited 400 kV Substation at Sreeperumputhur on 28.12.2018.



Industrial Visit to 400 kV Substation at Sreeperumputhur

The students of IV EEE 3 visited 400 kV Substation at Sreeperumputhur on 29.12.2018.

*International Conference on*  
**Smart Automation in Computer, Electrical, Electronics  
& Communication Engineering (ICSA2K19)**

**September 6 - 7, 2019 @ SRM VEC**

For more details logon to [www.icsa2k19.com](http://www.icsa2k19.com)

Dr. M. Murugan, Vice Principal & Prof attended the ISA's Award Gala for ISA-VEC Student Chapter being the finalist in the section 'Excellence Award, held at Montreal, Canada on 14.10.2018.

Dr. Komala James, Prof & Head received the Topper Award with Gold Elite Certification on 'Educational Leadership' in the NPTEL Examinations held in October 2018.

Totally, 57 Faculty members and students completed September & October 2018 NPTEL Courses and secured Elite & Gold Elite Medals.

Dr. S. Ramesh, Asso Prof was elevated to IEEE Senior Member (No.91146920) on 19.10.2018.

Mr. V. R. Balaji, research scholar defended his thesis during the Ph.D. Public Viva-Voce on the 'Design and Analysis of DWDM De-multiplexer using Two Dimensional Photonic Crystals' on 29.10.2018 under the supervision of Dr. M. Murugan, Vice Principal / Prof.

Ms. M. Swarnalatha secured a CGPA of 8.84 on 'M.E-Communication Systems' and secured the 18th position in the Anna University ranking during the Academic Year 2017-18.

Ms. N. Preethi and Ms. D. V. Swathy secured 8.79 & 8.72 CGPA and secured the 43<sup>rd</sup> & 50<sup>th</sup> Anna University Rank respectively during the Academic Year 2017-18.

Ms. R. Aruna, Ms. L. Harini, Mr. S. Seenu Aravind Raj, were placed during the Campus Recruitment of L&T Infotech, conducted on 29.10.2018.

Mr. G. Ayyappan was selected in the Wipro Campus Recruitment for 2019 batch, conducted on September 2018.

The following Faculty members completed their Ph.D Programme Confirmation under the supervision of Dr.S.Ramesh, Asso Prof.

Mr. S. Syedakbar, Research Scholar presented an open seminar on the 'Design, Development and Performance Evaluation of Antipodal Elliptical Tapered Slot Antenna for 60 GHz Wireless Communication' on 17.11.2018.

Mrs. K. Kayalvizhi, Research Scholar presented an open seminar on the 'Design Development and Characterization of Loaded Dipole Antenna for Biomedical Applications' on 06.12.2018.

Mrs. R. Birundha, AP presented an open seminar on the 'Beam Forming Antenna Array for 5G Wireless Communication' on 06.12.2018.

Our Faculty members participated in the 'Alumni Meet - Shimmer 2018' with the Alumni held on 09.12.2018.

Ms. Amrutha Devadas and Ms. Anupama second year students won the third prize in the Anna University Inter Zone Level Sports-Ball Badminton on 23.12.2018.

Dr. Komala James, Prof attended a Technical Talk on the 'Automation in IT Industries' organized by the Computer Society of India, Kancheepuram Chapter at St.Joseph's Institute of Technology, Chennai held on 17.11.2018.

Dr. N. Usha Bhanu, Asso Prof, Mr. C. Saravanakumar, Mr. D. Murugesan, Mr. A. Pandian, Ms. N. Subhashini, APs

attended a one day workshop on the 'Art of Writing Funding Proposals and Research Articles' on 17th November 2018 at Kings Engineering College, Chennai.

Dr. S. Ramesh, Asso Prof attended the IEEE AP-S Madras Chapter Distinguished Lecturer's seminar on 'Terminal antenna design for further wireless' on October 2018 held at the Dept of Electrical Engineering, IIT Madras.

Mrs. K. Sobana, AP & Ms. Indu Nikhil, AP attended a Two Day National Level workshop on 'Machine Learning using Tensorflow with keras' during 22<sup>nd</sup> and 23<sup>rd</sup> Nov. 2018 at St.Joseph's Institute of Technology, OMR, Chennai.

Dr. C. Amali, Asso Prof delivered a lecture on the 'Mobile Network Layer' in the Anna University Sponsored Two week FDTP on Wireless Networks at Sri Sairam Institute of Technology on 07.12.2018.

Dr. N. Rajesh, AP delivered a lecture on the 'Tapered Slot Antennas: Design and Practice' Faculty Development Programme on the 'Antenna Design and Measurement Techniques' conducted by SSN College of Engineering, Chennai on 11.12.2018.

Mrs. S. R. Preethi, AP attended the following training programmes.

The 'Data Science using Python' at Computational Intelligence Research Foundation, Ayanavaram, Chennai on 13.11.2018

The 'Machine Learning/ Deep Learning - Getting started workshop' at Simple Labs, Chennai during 17.11.2018-18.11.2018.

Mr. M.A. Seenivasan, AP attended a Short Term Course on 'IoT & Security' at the Dept of Computer Applications, National Institute of Technology Trichy from 3<sup>rd</sup> December to 7<sup>th</sup> December, 2018.

The following Faculty members attended a Six Day Faculty Development Programme, sponsored by the Ministry of Electronics and Information Technology (MeitY) at the Dept of ECE, NIT, Warangal, Andhra Pradesh during 03.12.2018-08.12.2018.

Mr. A. G. Murali Krishna, AP attended the 'Meta Material Antennas and Optimization Techniques'.

Mr. S. Senthilmurugan, AP attended the 'Advanced CMOS VLSI Design'.

On behalf of the Students' Affairs Cell, Dr.N.Ushabhanu Asso Prof coordinated the Wellness Programme on 'Health Fitness Within our Reach' on 27.12.2018 and the basic exercises and health instructions were demonstrated by Prof. N. Lakshmana Perumal.

The Faculty members of the Dept of ECE, EEE and E&I went on an Industrial Visit to 'Pantech Solutions', Chennai on 19.11.2018. Mr. Valliappan, Senior Engineer, Pantech



Industrial Visit to PANTECH Solutions, Chennai

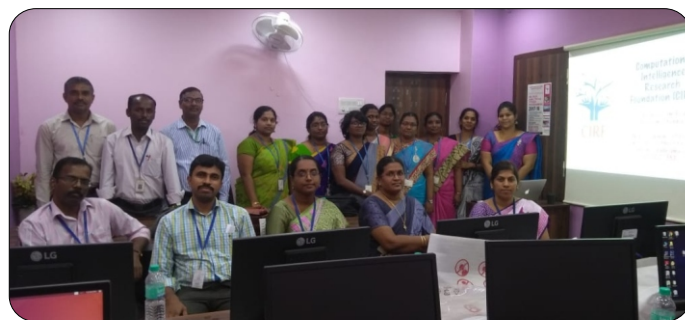
Solutions, Chennai explained the company products & services on the 'Current trends in embedded systems and Internet of Things'.

Mr.D.Murugesan, Dr.N.Rajesh, Mr.T.V.Sudhir, Mr. A. G. Murali Krishna, Mr. K. Sobana, Mr.M.A.Seenivasan, Ms.Indu Nikhil, Aps went on an Industrial Visit to the Tamil Nadu Government Water Desalination Plant, Nemmeli under the coordination of E & I Dept on 08.11.2018.



Industrial Visit to the Tamil Nadu Government Water Desalination Plant, Nemmeli

Dr.S.Ramesh, Asso Prof, Mrs.S.R.Preethi, Mrs.K.Arthi and Mr.M.Selvaraj, APs went on an Industrial Visit to CIRF- Computational Intelligence Research Foundation, Ayanavaram, Chennai arranged by the IT Dept. to get an exposure in the field of Machine Learning with hands on session using Python on 13.11.2018.



Industrial Visit to CIRF- Computational Intelligence Research Foundation, Ayanavaram

Mr.S.Marirajan, Mrs.T.S.Sheriba, Mr.A.Anbarasan, APs went on an Industrial Visit to SANDS-Signals & Systems (India) Pvt. Ltd, Siruseri, Chennai arranged by the EEE Dept. on 17.11.2018. The Faculty members gained practical knowledge on IoT & Embedded Systems in ARM. They also visited the Product and Maintenance Service Section.

Dr. N. Usha Bhanu, Asso Prof, Dr. J. Mohan, Asso Prof, Mr. C. Saravanakumar, AP, Mrs. K. Kamala, AP, Mrs.R.Birundha, AP, Mr. M. A. Seenivasan, AP visited PANTECH Solutions, T.Nagar, Chennai and got an exposure to the Embedded Platform and Project based Learning Environment on 19.11.2018.

Dr. Komala James, Prof & Head went on an Industrial Visit to 'Pazhamthamizh Vazhviyal Koodal, International Institute of Tamil Studies, Taramani, Chennai on 06.12.2018, organized by Parivendar Manavar Tamil Mandram, Valliammai Engineering College, Chennai.

In the International Conference on the Smart Structures and Systems ICSSS'18 at Saveetha Engineering College, Chennai on October 2018 the following papers were presented.

- 'Wearable Antenna on Textile Material' by Ms.M.Vanitha, AP & Dr. S. Ramesh, Asso Prof. and received the Best Paper Award.
- The 'Linear Tapered Slot Antenna for Sub 6GHz wireless Communication' by Ms. R. Birunda, AP & Dr.S.Ramesh, Asso Prof.
- The Analysis of RL Loaded Dipole Antenna using Genetic Algorithm for Wireless Communication by Ms.K.Kayalvizhi, Research Scholar & Dr. S. Ramesh, Asso Prof.

Dr. M. Murugan coauthored the paper, "Outage and ergodic capacity analysis for Cognitive Radio network under the impact of aggregate interference over Nakagami-m fading", Journal of Engineering Research, vol.5, No.1, pp.136-152, Mar.2018.<http://kuwaitjournals.org/jer/index.php/JER/article/view/2311>

Poornima Nedunchezian (AP/CSE), Priyadharshini M. (PG Student) and Dr. M.Murugan, published a paper titled "The Availability of Suicide Avoidance Automated Text Classifiers in the Online Social Networks (OSNs) A Precise Summary", Int'l Journal of Science and Innovative Engg. & Technology, Issue 1 Vol.1, pp.1-7, May 2018.

V. R. Balaji ( Research Scholar), M. Murugan et. al. published a paper entitled "Integrated 25 GHz and 50 GHz spectral line width dense wavelength division demultiplexer on single photonic crystal chip", Opto-Electronics Review, Vol. 26, Issue 4, December 2018, Pages 285-295. <https://doi.org/10.1016/j.opelre.2018.10.001>

M. Murugan coauthored a paper tiled, "Realistic Optimal Path Planning Algorithm for Indoor Realtime Mobile Robot Navigation", Journal of Web Engineering, Vol. 17, No.6, Dec. 2018 pp. 3662 3688, Rinton Press, Inc. USA. <http://journalofwebengineering.com/xjwe17/jwe-17-9/jwe290.pdf>

Mr. C. Saravanakumar, AP published a paper on 'A Study on Algorithms for FFT Computations' in the International Research Journal of Engineering and Technology, Volume 5, Issue 10, October 2018.

A Faculty Development Programme was conducted on the 'Integrated Circuits for Communication Engineering' during 12.11.2018-17.11.2018 for our Faculty members. Mr. C. Saravana Kumar AP & Ms. N. Subhashini AP coordinated the programme. Mr. M. L. Syed Ali, AP from Mohammed Sathak A.J.College of Engineering, Chennai handled the sessions on the Basic Circuit Analysis, Network theorems, network topologies, resonance and coupled circuits. Ms. Lakshmi Devi, Assistant Professor from Sri Sai Ram Institute of Technology, Chennai presented topics related to the communication theory.

A Skill Development Programme was conducted on the 'Maintenance of Laboratory Equipments: A Practical Approach' on 14.11.2018. Mr.S.Veeramani, Service Engineer, SRM Institute of Science and Technology delivered a lecture on the lab equipments' utility and services such as CRO, DSO and Function Generator for the Non-Teaching Staff members of the Dept.

An Orientation Programme was conducted for the Teaching Staff on 20.11.18 to develop Team Building, Communications and Negotiation Skills activities among them.

A Motivational Talk was arranged for the second year students as part of the Bridge Course on 10.12.2018.

Dr.Komala James Prof Head/ECE delivered welcome address at the inaugural function. Dr. N. Usha Bhanu, Asso Prof introduced the Chief Guest Mr. R. Narasimhamurthy, Vice President, RLT Instrumentation Pvt. Ltd, Chengalpattu. He delivered an informative, motivational speech for the students and highlighted different values such as Believe in yourself, Setting Goals, Being Confident and Building Self-esteem.

## Department of Electronics & Instrumentation Engineering

The Dept. in association with the ISA VMEC Student Charter organized a Faculty Development Program at SRM Valliammai Engineering College on 'Control of Processes & Concepts of Electrical Machines' for the following courses - Computer Control of Processes, Process Control and Electrical Machines from 12.11.2018 to 17.11.2018.



FDP on 'Control of Processes & Concepts of Electrical Machines'

The Dept. in association with the ISA VMEC Student Charter organized a Staff Development Programme on the 'Role of Emotional Intelligence in Workplace' on 9<sup>th</sup> November 2018. The Resource Persons were Ms. Z. Jenifer and Mr. B. Parameswaran.



SDP on the 'Role of Emotional Intelligence in Workplace'

The Second Year U.G students (Section-1) of the Dept of EIE visited the Integral Coach Factory (ICF), Perambur, Chennai on 12<sup>th</sup> October 2018.



II year UG students' Industrial Visit to ICF, Perambur

## ISA Section Excellence Award



Dr. M. Murugan, Vice Principal attended the 56<sup>th</sup> Honors and Awards Gala organized by International Society of Automation (ISA), from 14<sup>th</sup> Oct. 2018 at Hyatt Regency, Montreal, Quebec, Canada as the Valliammai Engineering College Student Section was nominated as one of the top three finalists to receive the Section Excellence Award. The President of ISA Mr. Brian Curtis appreciated the Activities of the Student Section of VEC.

The Dept. in association with the ISA VMEC Student Charter organized a Motivational Talk delivered by Dr.D.Doreen Robin, Ph.D., Director, Computational Intelligence Research Foundation, Chennai on 12<sup>th</sup> Dec. 2018.

Faculty members from the Departments of EIE, EEE and ECE visited Chennai Metro Water Desalination Plant, Nemmeli on 8<sup>th</sup> Nov. 2018.



Faculties from EIE, EEE and ECE visited Chennai Metro Water Desalination Plant

Mr. Jayasuriya V, III Year EIE won the 'Innovative Ideas to the World 2018' competition on 'Robotics and Transports' conducted in Alliance Francise India, Chennai, by Galaxy Education Consultants, in association with the Centralelille University on 20.11.18.

Mr. Jayasuriya V, III Year EIE won the 1<sup>st</sup> prize in the National Level Symposium- Paper Presentation organized on 6<sup>th</sup> October 2018 at Sri Venkateswara College of Engg.

Mr. S. Bharadwaj, Mr. K. Sriram Kumar, Mr. G. Sanjay Balaji, Mr. B. Vimal Rajan, and Mr. M. Thivakar II Year EIE, members of the Centre of Excellence in Robotics participated and won the Competition ROBOVR2018



Members of the Centre of Excellence in Robotics and won the Competition ROBOVR2018 in two categories, Robot sport in swimming and Rowing at IIT, Bombay

under two categories, Robot sport in swimming and Rowing conducted at IIT, Bombay on 16<sup>th</sup> Dec. 2018.

Mr. Sheik Razeeq M, III Year EIE participated in the Anna University Zonal IV-Ball Badminton (men) conducted at Sairam Engg. College on 9<sup>th</sup> & 10<sup>th</sup> Oct 2018.

Ms. Mariya Lurd Steffy, III Year EIE won medals in the following.

- Silver Medal in the Anna University Zonal IV - 4x100M Relay conducted at ARS Engineering College on 13<sup>th</sup> & 14<sup>th</sup> October 2018.
- Bronze Medal in the Anna University Zonal IV - 4x400M Relay conducted at ARS Engineering College on 13<sup>th</sup> & 14<sup>th</sup> October 2018.

Bronze Medal in Anna University Inter Zone Ball Badminton (Women) Tournament 2018-19 conducted at PSNA College of Engineering and Technology, Dindigul on 22<sup>nd</sup> & 23<sup>rd</sup> December 2018.

## Department of Information Technology

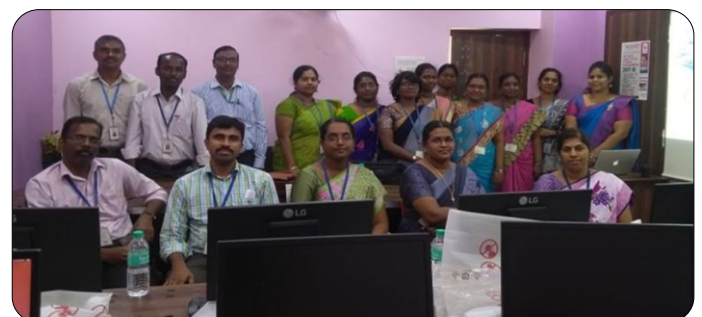
A one day SDP on the 'Fundamentals in Networking and MS-Office' was organized on 16.11.18 for the Non-Teaching Staff members and the Resource Persons were Mr.M.Jayaseelan, Service Engineer/Service Section and Ms.R.Lalitha, Programmer, Dept of IT.

A six day FDP on the 'Distributed Operating Systems' was organized from 19.11.2018 to 26.11.2018 for the Teaching Staff and our Dept. Faculties were the Resource Persons.



FDP on the 'Distributed Operating Systems'

A one day Industrial Visit to the 'CIRF (Computational Intelligence Research Foundation)' was organized on 13.11.2018 for the staff.



Faculty Industrial Visit to the 'CIRF'

Mr.G.Vivekanandan, A.P, Shandeep Srinivas and Sandeep.S, IV year, C. Shakthi Prakash, Vishweshwaran and M.Mohamed Ijas, II Year, Vaideesh Natarajan and Yukesh.H, I Year, participated in a one day 'National Digital Security Conference'18' on 21.12.2018 at KIT-Kalaignar Karunanidhi Institute of Technology, Coimbatore.



Dr.A.R.Revathi, A.P, participated in a two day FDP on the 'The Deep Learning' on 03.12.18 & 04.12.18 organized by the Dept of CSE at SRM Institute of Science and Technology, Vadapalani, Chennai.

'Motivational Talks' were organized on 10.12.2018 for the second year students and the Resource Person was Prof. M.J.Prasad, Multilingual Motivational Mentor, Chennai.



'Motivational Talks' Prof. M.J.Prasad, Multilingual Motivational Mentor, Chennai

## FINE ARTS CLUB



VECTORIANS Fine Arts Club conducted "Solo Singing" event for the 1<sup>st</sup> Year B.E/B.Tech students on 14.11.2018. Students from different departments participated. Mr.L.Bharat, Ms.R.Kiruthiga and Mr.S.Shajith Baig, the senior students were the judges.

## Department of Mechanical Engineering

A five-day 'EFFI-CYCLE 2018' final event was held at Lovely Professional University, Punjab from 09.10.2018 to 13.10.2018. Our team 'VEC Terrain Masters' participated and cleared the following rounds: Safety Test, Technical Inspection, Design Evaluation, Brake test.



'VEC Terrain Masters' participated in the five-day 'EFFI-CYCLE 2018' held at Lovely Professional University, Punjab

A Skill Development Programme on 'Manufacturing Machine Tools' was arranged on 10.11.2018 for the Non-Teaching Staff.

SAEINDIA Southern Section conducted a workshop on 'Tractor Design Competition' from 29.10.2018 to 31.10.2018. Student members of SAEINDIA from various engineering colleges from different parts of India

participated in the workshop. The workshop was felicitated by Dr. R. Rajendran, Vice Chairman, Engineering Education Board, SAEINDIA, Mr. S. Nakkeeran, Head Execution, Hexdof Engineering Services Pvt. Ltd., Chennai and Mr. C. Varadharajan, Technical advisor.



SAEINDIA Southern Section conducted a workshop on 'Tractor Design Competition'

A six day Faculty Development Programme on 'Materials, Design and Analysis for Engineering Applications' was conducted from 12.11.2018 to 17.11.2018. Dr.S.Suresh Kumar, Associate Professor, SSN Engineering College delivered a lecture on the Concepts of Engineering Design, Machines, Mechanisms, Static and Kinematic analysis of various mechanisms and its applications on 13.11.18. Dr.S.Gopalakannan, Professor, Adhiparasakthi Engineering College delivered a lecture on 14.11.18 on Engineering Materials, Characteristics and Behavior of Materials which are used in Engineering applications. Dr.V.AntonyAroulraj, Professor, Easwari Engineering College delivered a lecture on 15.11.18 on Finite Element Analysis of various forces, heat transfer and vibrations in beams and structures.



FDP on 'Materials, Design and Analysis for Engineering Applications'

An Industrial Visit was arranged for our Teaching Staff on 19.11.18 to 'Madras Engineering Private Limited', Chennai. Mr.C.Shanmugham, Chief Supervisor explained the various sections: Warehouse, Furnace section, Core section, Moulding unit, Moulding sand section and Fettling section of the plant.

As part of the Bridge Course for the second year students, a 'Motivational Talk' was arranged on 13.12.18. Sri. Prasad Arun Kumar, Lead Engineer, Mahindra & Mahindra Pvt Ltd., delivered a lecture on the 'Challenges and Opportunities in Industry'.

A Guest Lecture on the 'Recent Trends in Engineering Materials' was organized for the Second Year students on 27.12.2018. Mr. S.Parthiban, Sr. Research & Development Engineer, Lara Orthopaedic Solution Private Limited, Chennai delivered a lecture on Introduction to Engineering Bio Materials, Evolution of Bio Engineering Materials, Applications of Bio Engineering Materials in industrial and medical sectors.

The Dept of Mechanical Engineering, in association with SAE India Southern section conducted a Workshop on 'Aero Design Challenge-2019' on 22.12.2018 and 23.12.2018. Student members of SAEINDIA from various engineering colleges from different parts of India participated in the workshop. The function was felicitated by Dr. S. Senthil Kumar, Professor, SRMIST, MC & Vice Chairman, SAEISS. He gave a brief overview of ADC. Dr. Shankar Venugopal, Vice President, Mahindra & Mahindra delivered the inaugural address.



Inauguration of SAE India Southern Section Workshop on 'Aero Design Challenge-2019'

Mr.S.Senthil Babu, Assistant Professor (Sel.Gr) published his paper on the 'Prediction model for torque on drilling of metal matrix composites' in IOP Conference Series : Material Science and Engineering 402 (2018) 012190 doi: 10.1088.1757-899X/402/1/012190.

Dr.K.Sivakumar, Associate Professor & HoD, Dr.P.Mathivanan, Professor published their paper on the 'Machinability studies of TiAlN/AlCrN-Coated and Uncoated Tungsten Carbide Tools on Turning EN25 Alloy Steel' in Springer-Lecture notes in Mechanical Engg-Dec 2018, Vol-1,10-1007/978-981-13-2697-4.

Dr.S.Thirugnanam, Professor was nominated as the 'Chairman for Mechanical Engineering Valuation Board' in the Anna University Examination Nov/Dec 2018.

Mr.S.Punghaiya, Assistant Professor was nominated as the Champion for the 'Aero Design Challenge 2019' on 18.12.2018 under SAE India Southern Series.

Mr.S.Punghaiya, Assistant Professor attended the 'Faculty Advisor Forum' in the Dept of Automobile Engineering, Madras Institute of Technology from 14.12.2018 to 15.12.2018.



'Faculty Advisor Forum' at the Dept of Automobile Engineering, MIT Chrompet

ISO External Audit Team visited on 12th December 2018 during the Academic Year 2018-19.



The first event in our Youtube Channel 'Valliநடம்' was uploaded on 26.12.2018. Our Principal clicked the first content, a Tamil screening on Job Opportunities for Engineers, 'Engineering Padithaal Velai Kidaikuma ?'

## Department of Master of Computer Applications

Mr. S.K. Saravanan, AP(Sel.G) and Head, went on an Industrial Visit to the 'Computational Intelligence and Research Foundation (CIRF)' at Ayanavaram along with the Dept of Information Technology on 13.11.2018.

Ms. D. Sridevi, AP(OG) went on an Industrial Visit to the 'Madras Engineering Industries' at Maraimalai Nagar, along with the Dept of Mechanical Engineering on 19.11.2018.

The Dept Programmer Ms. M. Sangeetha attended the following programs organized by different departments in our college.

i). A one day STDP program on the 'Role of Emotional Intelligence in Workplace' was organized on 09.11.2018 by the Dept of EIE.

ii). A one day Skill Development Program on 'Manufacturing Machine Tools' was organized on 10.11.2018 by the Mechanical Engg Dept.

iii). A one day Skill Development Program on the 'Maintenance of Laboratory Equipments: A Practical Approach' was organized on 14.11.2018 by the ECE Dept.

iv). A one day Staff Training Program on the 'Fundamentals in Networking and MS-Office' was conducted on 16.11.2018 by the IT Dept.

v). A one day Staff Development Program on 'MS-Office' was organized by the CSE Dept. on 05.12.2018.

vi). A one day program on 'Skills of Activity Works' was organized on 10.12.2018 by the Training and Placement Dept.

vii). A one day STDP program on 'Skills Listening Activity' was organized on 14.12.2018 by the MBA Dept.

## VEC Central Library

Dr.B.Balamurugan, Librarian attended a one day workshop on the 'Strategies for Transforming Libraries : Growing Trends and Technologies' on 17<sup>th</sup> Nov. 2018 at Kongu Engg College, Erode organized by DELNET.

Dr.B.Balamurugan, Librarian attended a one day Seminar on Elsevier Connect seminar, organized by Elsevier (Science Directory) on 28<sup>th</sup> Nov. 18 at Chennai.

Videos on motivation, technology, innovation, entrepreneurship are played on all working days between 4.05 p.m and 5.00 p.m at the Audio Visual Hall, Library from 19<sup>th</sup> Dec. 18.

## Department of Master of Business Administration

A Guest Lecture on 'Self Branding in Job Market' was organised for the MBA Students on 15.10.2018. Mrs. Rekha Padmanaban an Awareness Speaker & Behavioural Coach, delivered the lecture. In her address, the speaker focused on creating awareness on mind mapping techniques and how students can focus towards their goals.



Guest Lecture on 'Self Branding in Job Market'

An industrial visit to M/s. United Industries Plastic Private Limited was organised for the Faculty members of the Dept. on 27.10.2018. Faculty members had the opportunity to witness the processes in automotive plastic manufacturing. Our Alumnus Mr. Ameen Basha facilitated the visit.



Faculty Members visited M/s. United Industries Plastic Private Limited

An industrial visit to M/s Modern Bakers Pvt Ltd., (Parle G Plant), Chennai was organised for the first year MBA students on 16.11.2018. Students were received by Mr. Paul Raj, HR - Manager of the company and were briefed on the manufacturing process and the various departmental functions in the company. Students had the opportunity to understand the biscuit manufacturing process.



Industrial visit to M/s Modern Bakers Pvt Ltd., (Parle G Plant), Chennai

An industrial visit to M/s. United Industries Plastic Private Limited, Sriperumbudur was organised for the first year MBA students on 17.11.2018. Students were received by the General Manager of the company and were briefed on the manufacturing process and the various departmental

functions of the company. Students had the opportunity to understand the processes in automotive plastic manufacturing. The visit was facilitated by our Alumnus Mr. Ameen Basha.



1 Year MBA Industrial visit to M/s. United Industries Plastic Private Ltd, Sriperumbudur

The Dept. of Management Studies organized 'Management Expo 2018' for the First Year MBA students on 24.11.2018. The Expo was inaugurated by our Principal Dr. B. Chidambararajan, in the presence of Dr.H.Krishnan, Prof & Head, Dept. of Physics and Dr. K. Elango, Prof & Head, Dept. of Electrical and Electronics Engineering. The expo was organized with an objective of providing an opportunity for the students to showcase their understanding about the theoretical concepts and by applying those into physical models. Students exhibited their models on 6 different themes namely Digital Payment Systems, Decision Making, Banking System in India, Personality, Goods and Service Tax and 5 S Methodology. 12 Teams registered and competed in the event. The exhibits were judged by Dr. H. Krishnan and Dr. K. Elango. The team 'Legal Warriors' bagged the First Prize, followed by the Team BAGA and Team 'CAN DO' who bagged the Second and Third Prize respectively.



'Management Expo 2018' for the First Year MBA students

An industrial visit to Koyas Fasteners Private Limited was organised for the Faculty members of the Dept on 10.12.2018. Faculty members had the opportunity to discover the process in the manufacturing of High Tensile Automobile & Industrial Fasteners.



Industrial visit to Koyas Fasteners Private Limited

A Skill Development Training Programme on 'Conflict Management and Confrontation Skills' was conducted by the Dept. of Management Studies for the Non-Teaching Staff on 14.12.2018. 28 Non-Teaching Staff from different Depts. of the college participated and benefitted.



SDP on 'Conflict Management and Confrontation Skills'

The Dept. of Management Studies, Valliammai Engineering College organized a three day Entrepreneurship Awareness Camp, sponsored by the Entrepreneurship Development Institute, Ahmedabad, National Science and Technology Entrepreneurship Development Board (NSTEDB), (DST NIMAT Project 2018 -19) during 27.09.2018 to 29.09.2018. Mrs.Mahalakshmi Saravanan, Founder Women Entrepreneur India inaugurated the camp. In the inaugural address, she emphasized personal branding, an important requirement for the entrepreneur. In the afternoon session, Dr.Sarprasatha Joe, Assistant Director, MCC Boyd Business School spoke about identifying business opportunities, how to transform the ideas into business models, how to prepare project reports and highlighted the various support schemes available for the aspiring entrepreneurs. On the 2<sup>nd</sup> day Mr. R. Chandra Prabhu, Assistant Director, MSME, Chennai addressed the students on the technical and commercial aspects of starting a small scale unit. The afternoon session, was handled by Mrs.M.Chitra, A.P., Dept. of English on 'Creativity and Business'. She focussed on the importance of creativity in entrepreneurial career of an individual. Later, there was a session by a practising Entrepreneur Mr. Senthil Kumar, running series of restaurants in the city. On the third day of the Entrepreneur Awareness Camp, Ms. Vaishnavi Vignesh Raja, Director, Equad Engineering Services addressed the gathering on identifying business opportunities and mechanisms of product selection, Technological Assistance from R&D lab etc. In the afternoon session, an Industrial Visit was arranged for the participants to M/S Unitech Plasto Components, Sriperumbudur and Woory Automotives Pvt. Ltd, Maraimalainagar. The participants



Entrepreneurship Awareness Camp

had the opportunity to have a real time understanding on production operations in a manufacturing set up. On the whole, this Entrepreneurship Awareness Camp focussed not only on creating awareness, but also on motivating the

## SRM VEC Alumni Association



SRM VEC Alumni Association, a registered association of Valliammai Engineering College held its 13<sup>th</sup> Alumni Meet on 10<sup>th</sup> December 2018 at the college campus. Dr. T.P.Ganesan, Director, Valliammai Engineering College, presided. Dr. B. Chidambararajan, Principal and Dr. M. Murugan, Vice Principal were present on the occasion. Alumni of the college from various branches attended the event and shared their memories. The present students entertained the gathering with various cultural events.

## Department of English

The second and third sessions of the Oratorical Competitions under the auspices of 'Burke Club' were held on 2<sup>nd</sup> & 23<sup>rd</sup> Nov 2018. The first year students actively participated and exhibited their oratorical skills. The winners were rewarded with prizes and certificates.

Linguathon I was organized on 1<sup>st</sup> Nov 2018. The competitions conducted were -Turn a Coat, Story Writing and Collage. The students displayed their creativity and won many prizes and certificates.

Ms. Sheeba Manodh published a book titled 'Etiquette of E-mail Writing'.

Ms.Sheeba Manodh attended the 'Tamil Nadu Government Sponsored Training Programme for the English language teachers in engineering and technical institutions (TN-AUTELT-2018-2020)' from 12.11.2018 to 19.11.2018.

Mr.Abhishek David John and Ms.M.Chithra were awarded with the Best Paper Certificate by IMPACT: Journal of Research in Humanities, Arts and Literature (IMPACT: JRHAL) Title: Enhancement of Speaking Skills and its Importance for Engineering Students.

Ms. K. Rachel, the Lab Assistant, and Ms.Ponkavitha, the Programmer attended the following training programmes for the Non-Teaching Staff.

1. 'Fundamentals in networking and MS-Office' organized by the IT Dept.
2. 'Making Wood Joints and Pipe Fitting' organized by the Civil Dept.
3. 'MS-EXCEL' organized by the CSE Dept.
4. 'Team Building & Behavioural Skill' organized by the Placement Dept.

5. 'Conflict Management & Confrontation Skills' organized by the MBA Dept.

6. 'LED Fabrication' organized by the EEE Dept.

## CSI Student Branch VEC

CSI Kancheepuram Chapter organized a technical talk on Automation in IT Industries on 17<sup>th</sup> November, 2018 from 10.00 am to 12.30 pm at St. Joseph's Institute of Technology, OMR, Chennai.

The Chief Guest of the event was Mr. Arunachalam Jayaraman, Senior Director-Technology, Virtusa, Chennai.. Dr. S. Ravikumar, Execom Member Kancheepuram Chapter presented the report of CSI Kancheepuram Chapter. Mr.S.K. Saravanan HOD-MCA, of Valliammai Engineering College honoured the Chief Guest with a memento.

The Technical session was initiated by Mr. Arunachalam Jayaraman, who elaborated the present trends in IT sectors Automation process and emphasized the importance of Artificial Intelligence in Automation Industries. More than 60 CSI members from various institutions attended the session. During the technical talk, different prototypes were shown to impart the importance of the automation in the IT sectors. The session was very interactive. The entire session was motivational and inspiring. The Guest appreciated the CSI Kancheepuram Chapter Executive members for their support extended to the successful completion of the event. The Staff members of CSE, IT and MCA coordinated the event.

## Department of Mathematics

The Mathematics Association 'EULER.COM' organized the 3<sup>rd</sup> National Seminar on the 'Recent Trends in Mathematical Sciences and Applications' on 15<sup>th</sup> December 2018. The main focus of the seminar was to give an overview of Number Theory in Cryptography, the Fuzzy sets and applications and Graphs and Fuzzy graphs.

Session - 1: Dr. P.Vanchinathan, Professor, Department of Mathematics, School of Advanced Sciences, VIT University, explained why Number theory is applied in Cryptography and not in calculus.



3<sup>rd</sup> National Seminar on the 'Recent Trends in Mathematical Sciences and Applications'

Session - 2: Dr.S.R.Kannan, Professor, Department of Mathematics, Pondicherry University, delivered a lecture on Fuzzy sets and its applications. The speaker introduced the fuzzy sets and gave a clear idea by comparing the Fuzzy set and Crisp sets.

Session - 3: Dr.K.Thirusangu, Associate Professor, Department of Mathematics, SIVET College, University of Madras introduced the concepts of Graph Theory and

Fuzzy set theory from the basics and also gave a clear idea about Graph Theory, Effective graph and M-strong graph.

Dr. V. Vijayalakshmi, AP (Sl.G) presented a paper on the 'Pentagonal Fuzzy Number by Cholosky Decomposition' in the National Conference on the Recent Trends in Fuzzy Mathematics and its Applications at SRM University, Ramapuram on 26<sup>th</sup> and 27<sup>th</sup> October, 2018.

Mrs. A. Karpagam, AP (OG) presented a paper on the 'Membership and Non-Membership Function of Pentagonal Fuzzy Number' in the National Conference on the 'Recent Trends in Fuzzy Mathematics and its Applications' at SRM University, Ramapuram on 26<sup>th</sup> and 27<sup>th</sup> October, 2018.

Ms. N.Prabhavathy, AP(O.G) presented a paper on 'A New Concept of Energy from Eccentricity Matrix of Graphs' in the National Conference on the Recent Trends in Pure and Applied Mathematics 'NC RTPAM 2018' on 09.11.2018 & 10.11.2018 organized by the Dept of Mathematics, SRM Easwari Engineering College, Ramapuram Campus, Chennai.

Dr.T.Isaiyarasi AP(Sl.G) presented a paper on the 'Digital Signature Algorithm using Triple Decomposition Search Problem' in the International Conference of Mathematical Computer Engineering 'ICMCE 2018' on 24.11.2018 organized by the School of Advanced Sciences, Mathematical Division, VIT, Chennai.

## STUDENT AFFAIRS CELL

The Student Affairs Cell of Valliammai Engineering College organized a wellness programme on 'Health Fitness within Our Reach' for the benefit of Faculty members of VEC on 27.12.18.

Prof. N. Lakshamna Perumal, Prof & Head, Dept of English, First year Chief Coordinator, shared his views on being fit and explained the health benefits .He demonstrated the basic exercises and health instructions to be practised daily for a healthy life style.



The Co-ordinators of the Student Affairs Cell Dr.N.Usha Bhanu Associate Prof/ECE, and Dr.M.Senthil Kumar Associate Prof/CSE with the support of other Staff of different departments organized the programme effectively. Totally, 35 Faculty of different depts attended and got benefitted.

## 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. V. Jayanthi**, Asst. Prof.(O.G), Dept. of English

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

## Department of Placement & Career Guidance

An Orientation Programme was organized for the teaching staff members from 19<sup>th</sup> to 20<sup>th</sup> November 2018. Various activities were conducted for all the staff members on team building.

Staff Development Programme was conducted for all Non-Teaching staff members on 10<sup>th</sup> December 2018.

The winter training for the pre final year students was conducted from 24<sup>th</sup> November to 4<sup>th</sup> December 2018. The basic topics from Quantitative Aptitude and Soft skills were covered for the students.

Companies visited between October & November 2018 were, Sopra Steria, L&T Info Tech, Infosys, E-con Systems, New Gen, Power IT Services & Bajaj Capital.

## Department of Physics

Ms.D. Praveena presented a video presentation on the 'Surface enhancement of card cutting in textile industry by Laser shock peening' in the World Conference on Laser, Optics and Photonics held during 05-06 November 2018 at Philadelphia, USA.

Ms.R.Nithya Balaji presented a paper on the 'Synthesis and biological evaluation of 4-phenylmorpholine-heterocycliccarboamide hybrid: in vitro anti-inflammatory and antioxidant activities' in the International Conference on Materials and Spectroscopy (ICMAS-2018) held during 11-12 December 2018 at Saveetha Engineering College.

A Guest Lecture was delivered by Dr.Vajiravelu Murugaesan, Assistant Professor, Department of Chemistry, B.S.Abdur Rahman University, Chennai on the 'Applications of crystalline Materials in Electronics' on 26<sup>th</sup> November 2018.



Guest Lecture on the 'Applications of crystalline Materials in Electronics'

Dr.H.Krishnan. acted as a jury for the AICTE Chara Viswakarma Awards 2018 for the National Convection on 30<sup>th</sup> November 2018.

Dr.K.Thirupathi attended a seven day AICTE sponsored FDP on the First Year Induction Programme held during 3-9 December 2018 at Eswari Engineering College, Ramapuram. Chennai.

## Department of Chemistry

Dr. L. Devaraj Stephen, Dr. S. G. Gunasekaran and Dr.M.Soundarrajan published a paper in the International Journal 'Asian Journal of Chemistry' titled 'Thermal Reduction of CoIII(pn)2Cl(L)2+-Fe(II) Ions in Aqueous-

Organic Solvent Medium via Outer-Sphere Electron Transfer Approach', vol. 31 (1), page. 191-198, 2018.

The Dept of Chemistry and Physics in association with the 'Physical Sciences Club' jointly organized an Essay Writing competition on 26.10.2018 for the First Year B.E/B.Tech students.

The Dept organized a Workshop along with the 'Association of Material Scientists' Indian Society for Technical Education (Faculty & Students chapter), and Physical Sciences Club on 24<sup>th</sup> November 2018. Mr.A.Arunachalam, Quality Manager, International Flavors and Fragrances Inc, Chennai was the Chief Guest and delivered a lecture on the 'Role of Chemistry in Flavors Food Industry' during the first session. Dr. K.Giribabu, Scientist, Electrodeics and Electrocatalysis Division, CSIR-Central Electrochemical Research Institute (CECRI), Karaikudi delivered a lecture entitled 'Electrochemical Technologies' during the second session.



Workshop on the 'Role of Chemistry in Flavors Food Industry'

Dr. L. Devaraj Stephen authored a book titled 'Environmental Science and Engineering' brought out by VRB Publishers Pvt. Ltd, Chennai with ISBN number on 1<sup>st</sup> November 2018.

Dr. N. Jayaprakash acted as a Judge for School Science Expo on 27.11.2018 held at Prashanti Gurukulam C.B.S.E Senior Secondary School, Kancheepuram.

## YOUTH RED CROSS

The inaugural ceremony of YRC and NCC units was conducted on 08.12.18. On this occasion, Dr.R. Meenakshi, HoD/IT and Mr. K. Shanmugam, AP/CSE, motivated the students to take up activities for the society as well as for developing their personality. Mr. G. Ananth proposed a vote of thanks.

As part of the road safety programme, the students painted the speed breakers in our college campus on 08.12.19.

To stress the importance of cleanliness to the general public, the students went on a rally holding placards around the college campus.

The students cleared the weeds in Guduvancheri Government Hospital. This action has prevented the breeding of mosquitoes and other harmful insects in the hospital. The hospital management was very grateful for this course of action.

## National Service Scheme

On 15<sup>th</sup> of October, the birthday of former President, Bharat Ratna Dr. A.P.J. Abdul Kalam was celebrated as the Youth Awakening Day in our College. The Principal, the Vice-Principal and the HODs were present. The NSS

Programme Officer spoke on the early life and the achievements of Dr. Kalam. He highlighted the skills to be observed and learnt from Dr. Kalam's life. S.Kaviya Sree, III Civil, stated that his unique vision in the betterment of the nation had proved him to be a simple and yet a person with a big vision in his mind. She mentioned that the result of his life now has the ability to pull up a group of people together to do something good for the society. V. Gokkul Raj, I ECE, spoke on 'The Life and Achievements of Dr.Abdul Kalam'. He recalled Dr. Kalam's efforts in carrying the parts of India's first rocket and satellite in a bicycle and a bullock cart respectively. His simplicity has inspired many talented youngsters to reach great heights in their lives.

In order to honour the memory of Sardar Vallabhbhai Patel, a Nation-wide campaign was organized by the Ministry of Human Resource Development department, New Delhi. The NSS Unit organized 'Rashtriya Ekta Diwas' (National Unity Day) and 'Eradicate Corruption - Build a New India' events on 31.10.2018 at 9.00 a.m. This event was celebrated in the form of a special assembly. Yobishiya.Steff. W.J, I ECE delivered a speech highlighting the principles advocated by Sardar Vallabhbhai Patel. Hariharan. K, I ECE led the staff and students in the Rashtriya Ekta Diwas pledge for unity, integrity and safety of the Nation. Vigilance Awareness is an initiative carried out by the Govt. In connection with this Vigilance Awareness Week, R. Bhavithira, delivered an enlightening talk in Tamil on the need for awareness against corruption to build a corruption free and truthful society. She also highlighted the need for a corruption free society. Revathy V, I ECE led the staff and students in the Eradication of Corruption pledge. This programme was useful to inculcate awareness on corruption and anticorruption measures and also on the importance of National Integrity.

As per the instructions from Dr.T.R. Paarivendhar, the Founder President of SRM Group and the suggestions from the Registrar, SRM University, the Principal, Valliammai Engineering College, 33 member team comprising the NSS volunteers, the students and employees of SRM University under the supervision of Mr.S. Parthasarathy, the NSS Programme Officer and Mr. Arunachalam, the Coordinator of Paarivendhar Tamil Manram, the Gaja cyclone relief measures and rescue team was constituted.



NSS Team on Gaja Cyclone Relief Measures

This team with a new kind of cutting machines, equipments and relief materials proceeded to Trichy from the college campus at Katankulathur on 20.11.2018. After obtaining more relief materials at Trichy from the service organizations, the team went to the cyclone hit areas and started serving continuously from 21.11.2018 to 25.11.2018.



NSS Volunteers removing fallen trees as a part of Gaja Cyclone relief

The team cut the fallen trees in schools and other places which blocked the passages and then removed the debris. Then, they distributed the relief materials such as bedsheets, mats, lungis, candle sticks, LED torch lights, biscuits, water and food packets.

First, on 21.11.2018, the team went to Ganapathypuram, North Tondaiman Urani and B.Puthur of Pudukkottai district and on 22.11.2018, the team went to Manja Vayal, Thoppu street, Naduvikkottai, Sarkar Thoppu of Tanjavur district on 23.11.2018, they visited Thalainayar, Kesavan Odai, Chithamani street, Santhana street, Kadai Theru and Thulasipuram of Nagappattinam and then on 24.11.2018, the team proceeded to Machchuvadi, B.Mathur and Perunchunai of Pudukkottai district and finally on 25.11.2018, the team went to Chettimunai and Kattankadu of Tiruvarur district and rendered service.

As per the suggestions of the Founder President of SRM University, the team joined the medical team of SRM University, organized camps and also arranged medical aid to the people. The relief works undertaken by the team were witnessed by Mr. Selloor Raju, Minister for Cooperative Society at Chettymunai and he congratulated the team. Moreover, Mr. Kamalhassan, the President of Makkal Neethi Mayyam contacted the coordinator of the rescue team and conveyed his gratitude and congratulations to the SRM Founder President and NSS Volunteers.

With the commencement of Northeast monsoon, the NSS Unit of Valliammai Engineering College organized a cycle of distribution of 'Nilavembu Kudineer' to Faculties, Students, Staff and public. The programme was conducted from 06.12.2018 to 08.12.18 (three days) between 10.00 a.m. and 12.30 p.m. Nearly 500 members were benefited by drinking 'Nilavembu Kudineer'. It was a precautionary measure for the students, staff and public from Dengu and other viral fevers.



Distribution of 'Nilavembu Kudineer'

The NSS Unit of SRM Valliammai Engineering College in association with the 'Parrivendar Manavar Tamil Mandram' celebrated the birthday of Sri Subramaniya Bharathiyar on 11.12.18 at 9.30am. The lamp was lit by the

Principal, the Vice-Principal, HODs, Staff and students. They paid their respects to the freedom fighter and recited his poems on this occasion. Sankarbabu. G, I ECE delivered a speech highlighting the salient aspects of Bharathi that kindled patriotism and nationalism among the youngsters. He also recited a few of those songs. Then, Shaalini. S, IIIT spoke on the significant contributions of the poet and journalist.

## Department of General Engineering



FDP on 'Engineering Mechanics'

A five-day Faculty Development Program on 'Engineering Mechanics' was organised on 10.12.2018 to 14.12.2018. Mr. G. Shanmugasundar, Associate Prof./Mechanical of 'Sri Sairam Institute of Technology', Mr. S. Subramanian, AP (Sr. G)/GE and Mr. S. Senthil Babu, AP (Sel. G)/Mechanical were the Resource Persons. They presented on the topics like 'Kinematics of Particles', 'Statics of Particles and Rigid bodies', 'Properties of surfaces and solids', 'Dynamics of rigid bodies' and 'Frictions'.

## Celebration of Saraswathi Puja



## NPTEL

159 Teaching staff and 121 students successfully completed NPTEL Online Examination during July-October 2018 session.

The nine toppers in the NPTEL online courses for July-October 2018 session were,

Mr.Karthick S, Civil secured 95 (Elite+ gold) on the topic 'Geotechnical Engineering Laboratory'.

Ms.Jeyalakshmi S of IT secured 84 (Elite) on the topic 'Introduction to Programming in C'.

Mr.Issanraj R of EIE secured 83 (Elite) on the topic 'Digital Circuits'.

Ms.Sheeba Manodh of English secured 81 (Elite) on the topic 'English Language for Competitive Exams'.

Dr. Komala James, HOD-ECE secured 93 (Elite+ gold) on the topic 'Educational Leadership'.

Mr.Arumugam K of Mechanical secured 81 (Elite) on the topic 'Fundamentals of Manufacturing Processes'.

Mr.Ashok Rajan of Mechanical secured 83 (Elite) on the topic 'Ethics in Engineering Practice'.

Mr.Sam Paul B & Dr.Radha Ganeshkumar of MBA, both secured 72 (Elite) on the topic 'Marketing Management I'.

## SPORTS



The winners of Chess, Judo, Fencing, Roller Skating with Certificates

Our VEC team won the Bronze Medal in the Anna University Zone - IV Badminton Men's Tournament organized by Sri Sairam Engineering College on 9<sup>th</sup> & 10<sup>th</sup> October 2018.

Our team won 4 Gold Medals, 3 Silver Medals, 3 Bronze Medals and an Overall Championship Third Position for Women and 1 Bronze Medal for Men in the Anna University Zone IV Athletics Meet (Men & Women) organized by ARS College of Engineering on 13<sup>th</sup> & 14<sup>th</sup> October 2018.

Ms. V.Rashmi, III - CSE won Silver Medal in the 10<sup>th</sup> Senior Women State Cycle Polo Championship-2018 held at Tirunelveli on 03<sup>rd</sup> & 04<sup>th</sup> November 2018.

Mr. P. Harish, I - CSE won Bronze Medal in the State Round Robin Fencing Championship 2018 held at Viruthunagar on 17<sup>th</sup> November 2018.

The Department of Physical Education successfully organized the Staff Sports Events 2018. Events such as Carrom, Chess, Badminton, Table Tennis, 25 meters run, 50 meters Run and Shot-put for Women, Carrom, Chess, Badminton, Table Tennis, Volleyball, 50 meters Run, 100 meters Run and Shot-put for Men were conducted from 03.12.2018 to 07.12.2018.

Our VEC team won the Bronze Medal in the Anna University Inter Zone Ball Badminton (Women) Tournament organized by PSNA College of Engineering & Technology, Dindigul on 23rd December 2018.

Mr. S. Saravanan, III - Mech won the Bronze Medal in the Anna University Inter Zonal Taekwondo (Men) Tournament 2018-19 held at Mailam Engineering College, Mailam on 23<sup>rd</sup> December 2018.



The winners of Cycle Polo & Athletics with Certificates