



# Valliammai Engineering College

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# VEC NEWS

[Quarterly]

Vol. 6 No. 1 January - March 2017

## Tamil Mandram



Founder Chairman Dr.T.R.Paarivendar issuing Certificate in the World's Poetry Day & 125<sup>th</sup> Anniversary Day of Bharathidhasan

SRM Paarivendar Students' Tamil Association celebrated World's Poetry Day and 125<sup>th</sup> Anniversary Day of Bharathidhasan by conducting Kaviarangam. Appreciation certificates and momentos were awarded to the students V.Vijaya bharathi, (EEE III Yr.), R.Mathivathana (EEE III Yr.), J.Logesh (Civil IIIYr.), M.Shamini (IT IIYr.) & P.Akilandeswari (EIE IIIYr.), who presented their Tamil poems.



Tamil Translation of Project Abstracts - Prize winners with Principal & Vice Principal

Mahaveer Foundation conducted an Essay competition on 13.01.2017 on 'Bhagawan Mahaveer's Principles and solutions to world problems' in our College on the eve of Mahaveer's birthday. 66 students of our College participated in the competition.

Tamil Development organization conducted a State Level Poetry Competitions for College students on 30.01.17 and

V.Vijayabharathi, Dept of EEE Final year, participated in the Poetry Competition.

M.Srinithi CSE-third year won First prize in the Essay Competition organized by the Dept of Higher Education, Government of Tamil Nadu, and Science City in connection with the Chennai Science Festival 2017.



M.K.Madhumeena, EIE (II Yr.) Won 3<sup>rd</sup> Prize in the Inter College Level Essay Competition in Tamil organized by National Productivity Council



K.Madhu Meena, EIE-second year won third prize in the Tamil Essay Competition organized by the National Productivity Council for National Productivity Day and obtained a cash prize of Rs.1,000/-.

The first issue of 'Vendhar Neri' Magazine was published by SRM Paarivendhar Student's Tamil Association in the event of World's Poetry Day and 125<sup>th</sup> Anniversary Day of Bharathidhasan on 21.03.17. Mr.K.Shanmugam,AP/CSE was one of the members of the Editorial Committee of Vendhar Neri Magazine. Students' articles and their works are published in the magazine.

Tamil Translation of Project Abstract was conducted on 16.03.17 for our College students to improve their Tamil technological skills. The following students won prizes. First Prize: M.Dinesh (EIE III Yr.); Second Prize: V.Srinath (CSE III Yr.) & Third Prize: M.Saranya (CSE III Yr.)

Puthiya Thalaimurai TV Channel conducted News Reader Interview for the final year students. T.Kanitha (CSE), J.Jayanthi (CSE), M. Geetha (CSE), S. Sathana (IT), R.Sriveni (IT) & M.Princy (MBA) appeared for the interview.

## Department of Civil Engineering



Release of Souvenir on National Level Seminar on the 'Recent advances in earthquake resist design and structural dynamics'

The Dept of Civil Engineering organized a two day CSIR Sponsored National Level Seminar during 16<sup>th</sup> and 17<sup>th</sup> February on the 'Recent advances in earthquake resist design and structural dynamics' inaugurated by Dr.A.Boominathan, Geotechnical Engineering Design, IIT Madras. This inaugural function was presided by Dr.T.P.Ganesan, Director/VEC, and was also addressed by the Principal Dr.B.Chidambararajan and the Vice Principal Dr.M.Murugan.

The Dept of Civil Engineering organized a Guest Lecture on 10<sup>th</sup> February 2017. The Guest Speaker was Dr.A.Navaneetha Gopalakrishnan, Professor and Head, Dept of Civil Engineering, Tagore Engineering College. He delivered a lecture on 'Modern Construction Materials'.

The Dept of Civil Engineering organized an Alumnus Guest Lecture on 27<sup>th</sup> January 2017. The Guest Speaker was V.Archana, PG Scholar, Indian Institute of Technology,

Madras. She delivered a lecture titled on the 'Offshore structures and loads'.

The Dept of Civil Engineering organized a Guest Lecture on 2<sup>nd</sup> March 2017. The Guest Speaker was Jayasree Sridhar, Chief Consultant & IELTS Trainer. She delivered a lecture and gave an awareness to the students about 'Higher Studies Abroad'.

The Dept of Civil Engineering organized a Guest Lecture on 22<sup>nd</sup> March 2017. The Guest Speaker was Dr.K.Palanivelu, Director, Centre for climate change and Adaptive Research, Anna University, Chennai. He delivered a lecture on the 'Impact on climate change'.

Students of II year Section III went on an Industrial visit to DakshinaChitra on 24<sup>th</sup> March 2017.

Students of III year Sections I, II, III went on an Industrial visit to SRCETC, Tambaram on 28<sup>th</sup> February 2017.

Students of III year Section III went on an Industrial visit to Sewage Treatment Plant, Perungudi on 14<sup>th</sup> March 2017.

Ms. G. Gokila Rani, Assistant Professor presented a paper in the International Conference on the 'Innovative Technologies for sustainable built environment (ITSBE '17)', on the 'Mapping of Ground Water Recharge Structures Using Geoinformatics Techniques', held at B.S.Abdur Rahman University on 14<sup>th</sup> to 16<sup>th</sup> March 2017.

Mr.G.R.Iyappan, A.P. presented two papers in the International Conference on the 'Innovative Technologies for sustainable built environment (ITSBE '17)', on the 'Strengthening of R.C Square Column Using Stainless Steel Wire Mesh' and 'Experimental Investigation on Buckling Behaviour of Cold Formed Steel Sigma Section', held at B.S. Abdur Rahman University on 14<sup>th</sup> March 2017.

Dr.D.Elango, Professor & Head was selected for the 'Best Division Award for the IEI Chapter' in the 3<sup>rd</sup> IEI Tamilnadu State Centre Students' & Technicians' Convention and All



Dr.D.Elango, Professor & Head was selected for the 'Best Division Award for the IEI Chapter' in the 3<sup>rd</sup> IEI Tamilnadu State Centre Students' & Technicians' Convention and All India Seminar on the 'Innovation, Technology & Knowledge Economy'



# VEC NEWS

India Seminar on the 'Innovation, Technology & Knowledge Economy' 17<sup>th</sup> & 18<sup>th</sup> March, 2017 to be held at K.L.N College of Engineering, Pottapalayam, Sivagangai District. Also, Mr.N.Arunprakash, A.P. was selected for the 'Best Faculty Advisor Award'.

Mr.A.Sattainathan Sharma, A.P. presented a paper in International Conference on the 'Innovative Technologies for sustainable built environment (ITSBE '17)', on the 'Experimental Investigation on Cellular Lightweight Concrete', held at B.S. Abdur Rahman University on 14<sup>th</sup> March 2017.

Santhosh Kumar.M of third year won I prize and S.Sukumar of third year won II prize in the 'National Level Technical Symposium', Event of Photography on 17<sup>th</sup> February 2017 at Chennai Institute of Technology.

R.Satheesh Kanna won III prize in the Tamil poetry competition conducted by SRM Paarivendar Thamilmandram, SRM University on 17<sup>th</sup> February 2017.

G.Ramsundar of third year won II prize and R.Satheesh Kanna won III prize in the 'National Level Technical Symposium', Event of Bridge It on 17<sup>th</sup> February 2017 at Chennai Institute of Technology.

M. N. Rubaesh of third year Section III participated in the 'National Level Technical Symposium', Event of Surveying Hunt and Short Film on 27<sup>th</sup> February 2017 at Rajalakshmi Engineering College, Chennai.

S.Sukumar of third year won III prize in the 'National Level Technical Symposium', Event of Photography on 10<sup>th</sup> March 2017 at Mohammed Sathak Engineering College, Chennai.

S.Sukumar of third year won I prize and also III prize in the 'National Level Technical Symposium', Events of Short Film and Photography held at MNM Jain Engineering College.

V. Sivakumar of Second year won I Prize in the Inter Zone 400m Hurdle, 200m and 400m running, and also Gold medal in 4x400 m running on February 15<sup>th</sup> and 16<sup>th</sup> 2017.

B.Sivaranjini of final year won I prize in the 'National Level Technical Symposium', Event of paper presentation held at Agni College of Technology on 9<sup>th</sup> March 2017.

In the International Conference on Innovative Technologies for Sustainable Built Environment (ITSBE '17), held at B.S.Abdur Rahman University on 14<sup>th</sup> to 16<sup>th</sup> March 2017, the students noted below participated.

(i) R.Naveen Kumar, P.Pondhileepan, K.Preetha, P.Pushpa Kumar, A.Nivetha, B.Karan Singh, P.Pasupathy, P.Kalaiarasan of Final year.

(ii) P.Rathna Priya, S.Srisudharssan, T. Lekhasree, L.C.Kowshipriya of Final year.

## Department of Computer Science and Engineering

A.Arun (PG student) and M. Mayuranathan published a paper on 'An Outlook on Lexicon Analysis System' in the International Journal for Scientific Development and Research, Vol: 2, Issue 2, ISSN:2455-2631.

S.Dhivya (PG student) and G. Kumaresan published a paper on 'A Distinct Algorithmic Approach in the Field of Health Care' in the International Journal for Research Trends and Innovation, Vol: 2, Issue 2, ISSN:2456-3315.

M.Nasreen (PG student) and Dr.B.Muthusenthil published a paper on the 'Vehicle Monitoring using WSN with Improved NLT: A Survey' in the International Journal for Scientific Research & Development, Vol: 4, Issue 09.

J. Danny Anurisha (PG student) and A. Lalitha published a paper on the 'Flawless Coding and Authentication of User Data Using Multiple Clouds' in the International Research Journal of Engineering and Technology, Vol: 04, Issue 03.

P.Keertana (PG student) and Dr. B. Vanathi and K.Shanmugam published a paper on 'A Survey on Various Animal Health Monitoring and Tracking Techniques' in the International Research Journal of Engineering and Technology, Vol: 04, Issue 02, ISSN:2395-0056.

C.Pabitha and Dr. B. Vanathi published a paper on the 'Review Analysis on E-Commerce Website' in the International Journal for Science and Advance Research in Technology, Vol: 03, Issue 02, ISSN:2395-1052.

A.Vidhya, R. Anithaa Lakshmi, S. Banu and T. Jayashree (UG Students) published a paper on the 'Automatic Retinal Vessel Extraction and Analysis to Identify Diabetic Retinopathy Diseases' in the International Journal for Scientific Development and Research, Vol: 02, Issue 03.

A.Arun (PG student) and M. Mayuranathan published a paper on 'Auditing for cloud consistency in CaaS using cloud computing' in the International Journal of Innovative Research in Computer and Communication Engineering, Vol: 5, Issue 3, ISSN:2320-9801, Mar 2017.

A.Arun (PG student) and Dr. A. Samyadurai published a paper on the 'Efficient and Effective Video Sharing in Online social Network Using Revocation' in the International Journal of Engineering and Technology, Vol: 4, Issue 2.

## Fine Arts Club

'VECTORIANS' the Fine Arts Club was inaugurated on 25.03.17 during the College Day celebrations. The 'Managaram' film crew inaugurated the Club. Under the auspices of the Fine Arts Club, it has been proposed to organize events on the last Wednesday of every month.



## National Seminar



Release of Souvenir during the National Seminar

A National Seminar on the 'Social Network Analysis' in association with Computer Society of India (SB) was conducted on 11<sup>th</sup> March 2017. The Chief Guest of the event was Dr.V.Masilamani, IIITDM, Kancheepuram. The participants were the students from various colleges.

A.Arun (PG student) and D. Kavitha published a paper on the 'Optimization of Time Delay in Advance Human Network Through 'BSUB-P' in the International Journal of Engineering Research, Vol: 5, Issue 1, Feb 2017.

A.Arun (PG student) and G. Kumaresan published a paper on the 'Effective Implementation of Data Segregation & Extraction Using Big Data in E-Health Insurance as a Service' in the International Journal for Research Trends and Innovation, Vol: 2, Issue 2, Feb 2017.

A.Arun (PG student) and M. Mayurnathan published a paper on the 'Enhancing Liveness Testing for Transferring data Packets through using automatic test packet generation' in the International Journal of Engineering Development and Reserach, Vol: 5, Issue 1, ISSN: 2321-9939, Mar 2017.

A.Arun (PG student) and S. Suma published a paper on the 'Supporting Privacy Protection in Personalized Web Search' in the International Journal for Scientific Research & Development, Vol: 5, Issue 1, ISSN: 2321-0613, Mar 2017.

A.Arun (PG student) and M. Mayurnathan published a paper on the 'Activity Recognition from Accelerometer and proximity sensor using GO Sense system on Smartphone' in the International Journal of Innovative and Emerging Research in Engineering, Vol: 4, Issue 3, Mar 2017.

M.Chandra, D. Daisy Verona, J. Jane Nivaditha (UG student) and C. Pabitha published a paper on the 'Secure Cloud Computing Framework with Automatic Intrusion Detection and Prevention System' in the International Journal for Research Trends and Innovation, Vol: 2, Issue 3, ISSN:2456-3315, Mar 2017.

K.Jayapreetha, P. Bharathi, J. Jayanthi (UG student) and C. Pabitha published a paper on the 'Minimum Replication

of User Data Integrating Anti-Collision Scheme in Cloud Groups' in the International Journal for Research Trends and Innovation, Vol: 2, Issue 3, ISSN:2456-3315, Mar 2017

R.Raja (PG Student) and Dr. V. Dhanakoti published a paper on 'An InfoSec Based Software Defined Networks (SDNs) over Insider and Outsider Attacks in Business Process' in the International Journal for Scientific Research and Development and , Vol: 5, Issue 01, ISSN:2321-0613.

R.Raja (PG Student) and Dr. V. Dhanakoti published a paper on the 'Smart Symmetric Key Encryption Algorithms' in the International Journal for Science and Advance Research in Technology, Vol: 3, Issue 03, ISSN:2395-1052.

A.Arun, J. Danny anurisha, R. Vignesh , S. Preethi and R. Raja (PG Students) published a paper on 'Secure Ranked Multi-Keyword Search Over Encrypted Cloud Data Using Synonym Queries' in the International Journal for Research Trends and innovation, Vol: 2, Issue 4, ISSN:2456-3315.

Dr.A.Samydurai participated in a one day Workshop on the 'Commercialization of Intellectual Property and Quality Assurance in Higher Education' held on 09.02.2017 at B.S. Abdur Rahman University, Chennai and the Faculty Development Program on the 'New Paradigm in Software Engineering' held on 31.01.2017 at Accenture, Chennai.

Rukmani.T.R, Pasupathy.C.H, Priya.S, Mani Bharathy.C & Kanitha.T. participated in the ISTE Srinivasa Ramanujan Mathematical Competitions 2015-16 at the ISTE Chapter Level conducted by the Indian Society for Technical Education, New Delhi on 27<sup>th</sup> March, 2016.

S.Vignesh participated in the events 'Short film, Tech Connections and Gaming' in SHELL '17, National Level Technical Symposium, organized by the Association of Computer Engineers ACE at Sri Ramanujar Engineering College on 23<sup>rd</sup> March 2017.

M.Arun and S. Preethi (PG student) attended a two day National Workshop on the 'Computational Platforms for research in Biometrics: challenges at the interface of computer science and Biology' organized by the Dept of Computer Science and Engineering at SSN College of Engineering on 24<sup>th</sup> & 25<sup>th</sup> March 2017.

P.Keertana (PG student), Dr.B.Vanathi and K.Shanmugam presented a research paper on 'IOT based Animal Health Monitoring and Tracking system' in the National Conference on the Recent Innovations in Software Engineering & Computer Technologies on 23 & 24 March 2017 in SRM University.

A Workshop was conducted on the 'Data Analysis Using HADOOP' in association with the Computer Society of India on 7<sup>th</sup> February 2017. Mr. Muthuraj Durairaj, Marketing Analytics Manager (Marketing and Digital Analytics), Hewlett Packard India Private Limited, Chennai was the Resource Person.





Workshop on the 'Data Analysis Using HADOOP'

A Seminar on the 'Internet of Things' in association with the Computer Society of India (SB) was conducted on 10<sup>th</sup> February 2017. The Chief Guest of the event was Mr.R.Balaji, Technical Head, Stigmata Techno Solutions LLP.



Seminar on Internet of Things

The Students of second year CSE Department went on an industrial visit to the 'Regional Telecom Training Centre Maraimalai Nagar Branch', Chennai on 17<sup>th</sup> February 2017.

The Students of third year went on an industrial visit to 'Green Pearl Technologies Pvt. Ltd., Potheri', Chennai on, 8<sup>th</sup> March 2017.



Industrial Visit to Regional Telecom Training Centre

The Value Added Course on the 'Software Testing' was started on 30.01.2017 and ended up on 01.03.2017 with 35 students of Valliammai Engineering College of various streams. This course was instructed by M. Priyadharshini, R.Anitha and N. Poornima. The aim of the course was to train students in the basics of software testing and two



Students Industrial Visit to Green Pearl Technologies Pvt. Ltd.

testing techniques along with the testing tools (WATIR & SELENIUM).

## MoU - Transun Energy Systems



The Department of EEE signed a Memorandum of Understanding (MoU) with Transun Energy Systems on 10<sup>th</sup> January 2017

## Project Exhibition Day



Project Exhibition Day for final year students

A Project Exhibition Day for the final year students of all the depts was organized on 22<sup>nd</sup> March, 2017. 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, and the Head of the Dept of the respective departments.



## Department of Electrical and Electronics Engineering

Conducted a one day workshop on the 'PLC for Power Plant Equipment' on 1<sup>st</sup> February 2017. Dr.R.Jayapragash, Associate Professor, School of Electrical Engineering, VIT University- Chennai campus was the Resource Person.

As a part of Renewable Energy Club activities, the Depts of Electrical and Electronics Engineering & Mechanical Engineering conducted a Guest Lecture on the 'Advancements in harvesting electrical energy from Solar Power, Electrical Maintenance and Safety' on 03.02.2016. Mr.S.Kirubanandhan, Asst Executive Engineer, Mr.S.Krishnamoorthy, Asst Executive Engineer, Mr.A.Suresh, Asst Executive Engineer 400/230/110KV Substation, Sriperumbudur delivered the lecture.



Students' Industrial Visit to TANTRANSKO, Ponnalur

Conducted a one day workshop on the 'Flexible AC Transmission System Devices' on 9<sup>th</sup> February 2017.

## Celebration of 68<sup>th</sup> Republic Day



On 26<sup>th</sup> of January, the 68<sup>th</sup> Republic Day was celebrated at VEC. The Principal, the Vice Principal, Students, NSS Volunteers, YRC Volunteers, Teaching and Non-Teaching Staff were present on that occasion. At 9.00 a.m welcome address was delivered by an NSS volunteer and the National Flag was hoisted. After that, the Principal, the Vice Principal and a student delivered speeches. Finally, a Vote of Thanks was proposed by the YRC volunteer. Sweets were distributed to commemorate the occasion. The Programme was jointly organised by Dr.C.Gangadharan, PED and Mr.G.Anand, PO/YRC.

## Sri Dewang Mehta Excellence Awards - 2017



Shri Dewang Mehta Excellence Awards 2017 'Certificate of Excellence' was awarded for 12 Top Rankers of VEC in CSE, IT & ECE branches on 22.03.17 in a function held at SRM University.

Balamurugan.J, Assistant Engineer - TNEB/ TANGEDCO was the Resource Person.

The students of IV EEE 1 visited TANTRANSKO, 400KV Sub-Station, Ponnalur - Sriperumbudur on 10.01.2017.

The student of IV EEE 2 visited Singaperumal Koil Power Substation, Kattangulathur, on 11.01.2017.



Students' Industrial Visit to Singaperumal Koil Power Station, Kattangulathur

The students of VI semester EEE section 1 and 2 visited North Chennai Thermal Power Station, Athipattu on 08.02.2017 and 06.02.2017.

The students of VIII semester EEE section 1 and 2 visited State Load Despatch Centre, Chennai on 27.02.2017 and 15.02.2017 respectively.

Conducted a one day Guest Lecture on the 'Variable Frequency Drive Enhancing Power Plant' on 8<sup>th</sup> March 2017. Mr. V. Rattan Kumar, M.Tech, Assistant Professor (Grade II), Aarupadai Veedu Institute of Technology, Vinayaka Missions University was the Resource Person.

### 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.S.Shyamala, Asst. Prof. (O.G), Dept. of English

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



## Department of Electronics and Communication Engineering

The Final Year students visited an Indoor Exhibition on the 'Combat Vehicles Research and Development Establishment (CVRDE) Ruby Jubilee Celebration Exhibition' to the premier establishment of Defence Research and Development Organization (DRDO), Avadi, Chennai on 21.01.2017.

The Second Year students went on an Industrial Visit to the All India Radio Channel, Chennai on 28.02.2017 and got an exposure related to the 'Communication Theory and its Applications'. Mr.N.Sreeharish, Deputy Director Engineer explained the various FM radio channels.

The Second Year students went on an Industrial visit to Doordarshan Kendra Broadcasting Television Channel, Chennai on 06.02.2017 and got an exposure



Industrial visit to 'Doordarshan Kendra'-Chennai by the II Year ECE-II students

related to the 'Communication Theory and its Applications'. Mr.R.Srinivasan, Deputy Director Engineer explained about the broadcast of Doordarshan Kendra Channel.

The Second year students went on an Industrial Visit to the Crystal Growth Centre, Anna University, Chennai on 02.03.2017. Mr.Narayana Kulkara, Director of Crystal Growth Centre explained the processes and procedures.

The Third Year students went on an Industrial visit to the Chettinad Multispecialty Hospital, Chennai on 09.03.2017 and got an exposure to the 'Medical Electronics'.

Dr.N.Usha Bhanu, Asso. Prof. endorsed 'Senior Woman Educator & Scholar Award' for her contribution to Teaching & Scholarly activities in the field of Information and Communication Engineering on 08.03.2017 by the National Foundation for Entrepreneurship Development (NFED). Congratulations!

Dr.S.Ramesh, Dr.C.Amali, Dr.N.Ushabhanu, Ms.N.Subhashini, Mr.K.Sanjay, Ms.Mercy Subaraman, Mr.C.Saravana Kumar, and Ms.S.Subbulakshmi produced 100% results in the Anna University examinations held during the Academic year 2016-2017. Congratulations!

Mr.N.Rajesh Asst Prof defended his Ph.D thesis titled 'Design and implementation of performance enhanced Vivaldi Antenna' on 23.02.2017 at CEG Campus, Anna University, Chennai-600025.

Ms.T.S.Sheriba presented the following papers:

(i) the 'Slotted square Patch Antenna for C-band and S-band applications' in the National Conference on Electronics Communication & Computing at KJ's Educational Institute, Pune in February 2017.

(ii) The 'Enhanced Radiation Characteristics of Microstrip Patch Antenna' in the International Conference on Contemporary Engineering at Tagore Engineering College, Chennai in March 2017.

(iii) The 'Slotted Microstrip patch antenna for S band applications' in the International Conference on Electrical, Communication and Computing-ICECC 2017 at Madha Institute of Technology, Chennai in March 2017.

Dr.S.Ramesh & Ms.K.Kayalvizhi presented the following papers on

## SPORTS ACHIEVEMENT



Anna University Zone IV Athletics Championship (M/W) Medalists with the Principal, the Vice Principal & Dr.C.Gangadharan, PED

Our college secured Overall Championship Runners up and the following students participated in the Anna University Zone IV Athletics Championship (M/W) and won 12 Gold Medals and 2 Silver Medals.

- Mr.R. Anbuhezhiyan, II Year MBA, secured Gold Medal in 800 mts, Running, Gold Medal in 1500 mts, running and Gold Medal in 4x400 relay.
- Mr.N. Loganathan, I Year MBA, secured Gold Medal in 10000 mts Running, Gold Medal in Half Marathon (20 km) and Gold Medal in 4x400 relay.
- Mr.Sivarajan, I Year MBA secured Gold Medal in Triple Jump and Gold Medal in Long Jump.
- Mr.V. Sivakumar, II Year Civil secured Gold Medal in 4x400 relay and Silver Medal in 400 mts Hurdle.
- Mr.C. Hari Prasad, II Year IT secured Gold Medal in 4x400 relay and Silver Medal in Triple Jump.
- Mr.M. Divya, II Year IT secured Gold Medal in High Jump and Gold Medal in Javelin Throw.

## Seminar



A Seminar on the 'Role of OFC Technology in Information revolution' was conducted on 17.03.2017. The Chief Guest Dr. Shanthi Prince, Professor, Dept of ECE, SRM University presented the evolution and the basics of optical communication, current and future data rate requirement in the information age and how optical communication played a major role in providing the needed data bandwidth. This guest lecture helped the students to explore the various applications of optical communication.

(i) 'A high frequency broad band rectenna for wireless energy harvesting' in the International Conference on Newer Engineering Concepts & Technology at K.Ramakrishnan College of Tech., Trichy in Mar. 2017.

(ii) The 'Penta band slot antenna for wireless communications' in the International Conference on Engineering, Energy and Environment at TRP Engineering College, Trichy in March 2017.

Mr. P. K. Ramprakash, Mr. G. Varshine, Mr. A. F. Princemary, Dr. S. Ramesh, Asso. Prof. presented a paper on the 'Circular Shaped Balanced Inverted-An Antenna for Bio Medical Applications' and won the best paper award in the National Conference on Systems, Computation, Automation and Networking in Manakula Vinayagar Institute of Technology, Puducherry on 10.03.2017.

Ms. A. M. Shanthini, Ms. V. R. Thangamizh, Ms. S. Uma, Ms. B. Usha, Mr. G. Saravanan, presented a paper on the 'Modern Agriculture Monitoring using IoT and Sensors' and won the 'Best Paper Award' in the National Conference on Frontiers in Communication and Signal Processing Systems in Adiyamaan College of Engineering, Hosur on 13.03.2017 & 14.03.2017.

Mr. S. Senthilmurugan, presented a paper on the 'Analysis of Ethical Treatment in Animal health monitoring system' in the International Conference on Green, Intelligent Computing and Communication Systems at Hindustan College of Engineering and Technology, Coimbatore on 09.03.2017 & 10.03.2017.

Mr. N. Mohamed Husain, Mr. K. N. Naveen, Dr. Komala James presented a paper on the 'Web based Automated Irrigation System using MQTT Protocol' in the International Conference on Electrical, Communication and Computing-ICECC 2017 at Tagore Engineering College, Vandalur on 07.03.2017 & 08.03.2017.

In the National Conference on Electronics, Communication and Computing (NCECC-2017) - 2017 in Trinity College of Engineering and Research, Pune the following papers were presented on 24.02.2017 & 25.02.2017.

(i) The 'Civilian Communication System during Exigency Using Software Defined Radio' by Ms. M. Shashanya, Mr. T. Sreenath, Ms. S. B. Sunitha. S. B., Mr. A. Tamilselvan, Mr. S. Senthilmurugan, A. P.

(ii) An 'Automatic Wildlife Tracking System Using GPS and Wireless Sensor Networks' by Mr. D. Aravind, Ms. S. Anupriya, Ms. A. T. Aarthi, Mr. C. Saravankumar, A. P.

(iii) The 'Detection of Psychological Stress in a Pregnant Woman using Fuzzy Logic in Neural Network' by Ms. Debnita Kar, Ms. Doriet Cha, Dr. J. Mohan, A. P.

(iv) An 'Indoor Vertical Farming with IoT Based Monitoring and Analysis of Crop Environmental and Soil Parameters, by Ms. S. Aishwarya, Ms. A. P. Akshaya Raj, Ms. M. Deepika, Ms. V. Divya, Dr. Usha Bhanu. N., Asso. Prof.

In the National Conference on Emerging Technologies - 2017 (NCET-2017) at Arunai College of Engineering, Tiruvannamalai, the following papers were presented in March 2017.

(i) The 'Fractal design based transmission line fed Microstrip antenna' by Ms. B. Janani, Ms. C. Kalyani and Mrs. T. S. Sheriba, A. P.

(ii) The 'Microcontroller based MODBUS Protocol converter using PIC 17C756' by Ms. K. Jaya, Ms. M. Jayashree, Mr. J. Jerome Deepak and Mr. S. Marirajan, A. P.

(iii) The 'Next Generation Toll e-ticketing systems' by Ms. R. Megala, Ms. M. Monica, Ms. E. Nandhini, Ms. A. Nilofer Asma and Mr. N. Rajesh, A. P.

(iv) 'An Internet of things approach for motion detection and security system using raspberry pi' Ms. M. Nandhini, Ms. R. Nisha, Ms. V. Nivedha and Mrs. S. Preethy, A. P.

(v) The 'FPGA implementation of area power and delay optimization of high speed adders' by Ms. V. Kavinila, Ms. L. Keerthana, Ms. S. Pradeepa and Dr. N. Usha Bhanu, Asso. Prof.

(vi) The 'Remote access to medical database by patient using internet of things' by Mr. Kanagaraj. V., Mr. B. Adhiruban, Mr. E. Avinash, Mr. N. Yuva manikandan and Mrs. S. Surabhi, A. P.

(vii) The 'NFC Based Accident Detection and Location Tracking System' by Ms. B. Deena Bianca, Ms. G. Abinaya, Ms. S. Anusuya, Ms. Bernice Selvan and Dr. C. Amali, A. P.



In the International Conference on Contemporary Engineering 2017 at Madha Engineering College, Chennai, the following papers were presented on 24 & 25 March 2017.

(i) A 'Reconfigurable Smart Sensor Interface for Nuclear Radiation Detection in IOT Environment' by Ms.J.Priyadarshini, Ms.A.S.Priyadharshini, Ms.V.Priyadharshini, Ms.V.Shuruthi Priya and Dr.Komala James.

(ii) The 'Design and Analysis of a Compact Triple Band Printed Monopole Antenna for Wireless Application' by Mr.K.R.Raakesh Raja, Ms.Sambhavi Singh, Mr.B.Saravanan, Mr.K.K. Sripathiraj, and Dr.S.Ramesh, Asso. Prof.

(iii) A 'Design and Implementation of BAVA for Aesculapian Imaging' by Mr.R.Ragul, Mr.S.Sharath, Mr.M.Vignesh Kumar, Ms.S.Vinothini and Mrs.K.Kamala.

Dr.M.Murugan coauthored a paper on the 'Root Raised Cosine Pulse Shape Based ICI Suppression in OFDM System for Rayleigh Multipath Channel' in the International Journal of Engineering and Technology (IJET), Vol. 8 No. 6 on Dec. 2016 Jan. 2017, pp.2795-2799.

Dr.M.Murugan coauthored a paper on the 'Hardware and Software Architecture for Embedded Distributed Control System Using Adaptive Hybrid Communication Channel' in the journal of Advances in Intelligent Systems and Computing, Volume 452 on Jan 2017, pp.513-520, Pub. Springer, Series Editor: Janusz Kacprzyk, Polish Academy of Sciences, Warsaw, Poland.

In the International Journal of Advanced Research Methodology in Engineering & Technology ISBN-978-1-63535-324-2, the following papers were published in March 2017.

(i) 'Device Power Consumption Avoidance using Image processing' proceedings pp 172-175 by Ms.G.Kiruthika, Ms.R.Meenatchi, Mr.V.Mohan Raj, Ms. Pradeepa S, and Mr.M.A.Seeni vasan, A.P.

(ii) The 'Global industrial process monitoring' proceedings pp 135-137 by Ms.R.Nivedita, Mr.N.Karthikeyan, Mr.K.Praveen Kumar, Mr.C.Sakthivel and Mr.R.Dhananjeyan, A.P.

(iii) A 'Prototype of Child Monitoring System and Motion Detection Raspberry Pi' proceedings pp 163-167 by Mr.V.Karthicraj, Mr.A.Eswar, Mr.S.Lenin, Ms.N.Preetha and Mr.M.Selvaraj, A.P.

The 'Indoor Vertical Farming with IOT Based Monitoring and Analysis of Crop Environmental and Soil Parameters' project got selected for the final round of Dr.A.P.J.Abdul Kalam Innovation Ecosystem Awards 2017 on 28.03.2017 done by the final year Students Ms.S.Aishwarya, Ms.A.P.AksahyaRaj, Ms.M.Deepika, Ms.V.Divya under the supervision of Dr.N.Ushabhanu, Asso. Prof.

Ms.G.Carmel Vicy and Ms.A.Chitra the third year students won first prize on 'RAM & ROM' during

Quintessence 2017 in the Quiz event conducted by the Dept of ECE, Easwari Engineering College held on 01.02.2017.

Mr.S.Muruganatham, Mr.A.Prabakaran, Mr.M.Muralidharan and Mr.K.Praveen Kumar of final year had undergone a Short Term Course on the 'Signal processing for 5G Massive MIMO wireless systems' organized by the Dept of Electrical Engineering, IIT Kanpur during 28.01.2017 - 30.01.2017.

Mr.J.Andran Naveen Prakash, Mr.G.Ayyappan and Mr.K.R.Dhayalan second year students won first prize on 'i-Quest'17' in the Quiz event conducted by the Dept of Computer Applications, Easwari Engineering College held on 07.03.2017.

Ms.T.Ramya Priya and Ms.S.B.Sunitha Third and Final year students participated in the Women's day celebration conducted by WIPRO India Pvt Ltd at CDC 5 Sholinganallur Wipro office on 13.03.2017.

Mr.Raakesh Raja Karuppiah Ramachandran, Final year student retained six foreign Universities such as Michigan Technological University, Illinois Institute of Technology, University of North Carolina, University of Texas, Texas A&M University, New Jersey institute of Technology for his higher studies (M.S) on the 'Embedded systems' during this Academic year 2016-2017.

Final Year Students attended 'Puthuyugam' Television Channel live Kitchen programme on the 'Arusuvai Nooru Vagai' on 17.03.2017 at the premises of VEC.

Dr.N.Usha Bhanu, Asso.Prof. was the Chair Person on 25.03.2017 for the Symposium E-VLSI Design: Circuits, Systems and Applications as a part of the International Conference on the 'International Conference on the Next Generation Electronic Technologies: Silicon to Software (ICNETS2)' held during 23<sup>rd</sup>-25<sup>th</sup> March 2017.



Guest Lecture on 'Business Using Technology'

An Alumni Entrepreneurship seminar on the 'Business using Technology' was conducted on 09.01.2017. The Chief Guest Mr.A.Gowtham, Chief Executive Officer, JuzzFlip Touch Base, Chennai presented the scope of technical communication. He focused on the growth of startup in the field of electronics.





Seminar on 'Modern Antennas'

A Seminar on the 'Modern Antennas' was conducted on 18<sup>th</sup> January 2017 in association with ISTE & IETE Students' Forum. The Chief Guest Mr. K.R.S. Ravi Kumar, CEO, RF WAVEZERA, Bangalore delivered a lecture on the evolution of modern antenna from the historical background.

The Dept of Mathematics organized a Guest Lecture on the 'Spectral density and its future scope' on 18.03.2017 for the fourth semester ECE students. Dr.C.Vijayalakshmi, Asso. Prof., Dept of Mathematics, VIT University Chennai delivered the lecture.



Guest Lecture on the 'Spectral density and its future scope'

Dr.N.Usha Bhanu, Asso. Prof. and Mr.N.Rajesh, A.P. conducted an awareness program for women well-being for the final year girl students on 30.01.2017 as a part of ISR activity. Dr. Christina Raj Kumar, MD/DGO, Senior Civil Surgeon (Govt. ret'd) addressed the students.

An Expert lecture on the 'Next Generation Network' was conducted on 06.02.2017 in association with ISTE & IETE Students' Forum. The Resource Person Dr.T.Subashri, A.P., MIT Campus, Anna University, Chennai delivered a lecture on 5G and beyond.

Second and Third year students attended and completed the part-time Value Added Course on 'Embedded Real Time Systems' held during 30<sup>th</sup> January 2017 - 1<sup>st</sup> March 2017 conducted by the Dept of ECE. The classes were handled by Dr. J.Mohan, Asso Prof., Mr.M.A.Seenivasan Asst Prof and Mrs. Mercy Subaraman, A.P.

Mr. N. Rajesh, A.P. delivered a Tech Talk on the 'Frequency selective surfaces and its applications' on

## Anna University National Award for outstanding Academic



Dr. M. Murugan, the Vice Principal received the Anna University National Award for outstanding Academic in recognition of the outstanding contribution to the Academic community and the students on the occasion of the 46<sup>th</sup> ISTE National Annual convention held at Ludhiana during 10<sup>th</sup>-12<sup>th</sup> February, 2017.

07.01.17. Mrs. K. Arthi, Asst Prof presented a Tech Talk on the 'Compressive Sensing' on 03.02.17. Mr.C.Saravanakumar, A.P. delivered a Tech Talk on the 'Quality of question paper' on 20.03.17.

## Department of Electronics and Instrumentation Engineering



Guest Lecture by Alumnus on the 'Role of Communication System in Media'

The Dept in association with ISA VMEC Student Charter organized a Guest lecture by the Alumnus on the 'Role of Communication System in Media' on 5<sup>th</sup> January 2017 by Mr.A.Yashwin Vignesh Business Head, Indian Market International Business Unit and R & D Team.

The Dept in association with ISA VMEC Student Charter organized a Value Added Course on the 'Control System using MATLAB' during the period of 30<sup>th</sup> Jan. - 1<sup>st</sup> Mar. 2017.

In association with ISA VMEC Student Charter organized a Guest lecture on the 'Electronic Instruments Development Process' on 31<sup>st</sup> January 2017 by Mr. M.Stanly Prince Manager-Engineering NPD, Syrma Tech. Pvt. Ltd., Chennai.

The third year U.G students (Section-2) of the Dept of EIE visited Doordharshan Kendra, Chennai on 10<sup>th</sup> Feb. 2017.





Guest Lecture on the 'Electronic Instruments Development Process'

The second year U.G students (Section-1 & 2) of the Dept of EIE visited RLT Instrumentation Pvt. Ltd, Athur, Chengalpet on 2<sup>nd</sup> March 2017 and 10<sup>th</sup> March 2017 respectively.



II year Section-1 Students' Industrial Visit to RLT Instrumentation Pvt. Ltd.

The Dept in association with ISA VMEC Student Charter organized a Workshop on the 'System Design using Raspberry Pi' on 13<sup>th</sup> February 2017 by Mr.P.Saravanan - Software Engineer at Lumisense Technologies, Chennai.



Workshop on the 'System Design using Raspberry Pi'

K.Lalitha Priya and J.Keerthi of II year won second prize in Milan'17 (National Level Cultural and Sports Festival)-SRM University in 'Mask Making' and 'Pot Painting' during 8<sup>th</sup> & 12<sup>th</sup> March 2017. Also, J.Keerthi of II year won first prize in Face Painting.

D.Nancy Sevanna, K.V.Daarini, R.Anmitha, M.Mohamed Yusuf, M.Ranjani, V.Vidya and R.Vishwajanani of IV year participated in the ISTE-

Srinivasa Ramanujan Mathematical Competitions 2015-16 at the ISTE-Chapter Level conducted by the Indian Society for Technical Education New Delhi on 27<sup>th</sup> March 2017.

M.K.Madhumeena of II year EIE won 3<sup>rd</sup> prize (cash of worth 1000 Rupees) in the Inter College level Essay Competition in Tamil organized by the National Productivity Council on 'From Waste to Profit through Reduce, Recycle, and Reuse'.

M.Dinesh of III year EIE won 1<sup>st</sup> prize in the Essay Competition (Tamil Translation of Project Abstract) conducted by Paarivendhar Maanavar Tamizh Mandram on 16<sup>th</sup> March 2017.

P.Akilandeshwari of III year EIE participated and read a poem on Word Poet's Day Function organized by Paarivendhar Maanavar Tamizh Mandram on 21<sup>st</sup> Mar. 2017.

In the National Conference on the 'Recent Innovations and Trends in Mechanical Engineering' (NCRITME'17) held at Rajalakshmi Institute of Technology, Chennai on 23<sup>rd</sup> and 24<sup>th</sup> March 2017, the Staff and students noted below presented papers.

(i) S.Bharath, G.Bhavatharani, R.Heshma and S.Meena of IV year on the 'Underwater Data Transmission and Sensing using Li-Fi Technology'.

(ii) C.Anitha, D.Divya and T.S.Kaviya of IV year on 'An IOT based Motor Calibration Monitoring System'.

(iii) V.P Sandhya, A.P, Arun.K, Pradeepraj.S, Prasanth.M, and Praveenkumar.R of IV year on the 'IOT based Border Monitoring and Controlling Using Raspberry pi'.

(iv) S.Vanila, A.P., A.Dhanapriya, S.Kadhiravan, M.Mohamed Yusuf, and S.Padmanabhan of IV year on the 'Temperature Control Process in a Pre-heating Furnace'.

(v) S.C.Prasanna, A.P., J.Gokulakathiravan, V.Gunabalan, M.Hariprasad, and B.Kalaiselvan of IV year on the 'Vehicle Collision Avoidance System using Wireless Wranseiver'.

V.Vinupriya, M.Santhiya and M.Sivaranjani of IV year presented a paper on the 'Tracking of Limb Motion using Wireless Network of Internal Measurement Unit (IMU)' in the 'International Conference on the Emerging Trends in Science, Engineering & Technology' held at Jerusalem College of Engineering, Chennai on 17<sup>th</sup> and 18<sup>th</sup> March 2017.

K.S.Jaibhavani, A.P. and B.Hannuja (M.E., II year) presented a paper on the 'Modelling and Development of Decentralized PI Controller for TITO System' in the 'International Conference on the 'Trends in Instrumentation, Measurements and Automation TIMA' held at MIT, Chrompet, on January 2017.

S.Vanila, A.P., A.Dhanapriya, S.Kadhiravan, M.Mohamed Yusuf, and S.Padmanabhan of IV year presented a paper on the 'Prevention of Oxygen Probe Damage in Rotary Hearth Furnace' in the International



Conference on the 'Emerging Trends in Science, Engineering & Technology' (ICETSET), held at Jerusalem College of Engineering on 17<sup>th</sup> and 18<sup>th</sup> March 2017.

In the Sixth National Conference on the 'Recent Enhancement in Advanced Computing Technologies' held at Rase College of Engineering, Padappai on 18<sup>th</sup> March 2017, the Staff and students noted below presented papers.

(i) G.Shiva, A.P, V.P.Deenadayalan, S.Easwaramurthy, R.Haribaabu, and R Nishant of IV year on the 'Density based Traffic Control using Image Processing'.

(ii) Shanthi.M, A.P, Akalya.T, Hepsiba.R, Jenitha.P, and Oviya.V of IV year on the 'Infected Leaf Analysis and Pest Control using Image Processing'.

V.Sureshkumar, A.P, S.B. Amrish, S. Arun, A. Fidalis Naveen, and M. Nishanthan of IV year presented a paper on the 'Home Energy Management System with Automated Power Scheduling using GSM' in the National Conference on the 'Recent Trends & Emerging Technologies' (NCRTE' 17), Rajiv Gandhi College of Engineering, Chennai on 24<sup>th</sup> March 2017.

In the 9<sup>th</sup> National Conference on Mathematical Techniques and their Applications, (NCMTA) held at SRM University on 27<sup>th</sup> and 28<sup>th</sup> January 2017 the Staff noted below presented papers.

(i) A.Rathinam, A. Anusha, and S.Vanila, A.P. on the 'S-Transform based Detection of Faults in Power Transmission Lines'.

(ii) A.Rathinam, A. Anusha, and S.Vanila, A.P. on the 'Phasor Measurement Unit Based Wide Area Backup Protection for Transmission Lines'.

Divya Bharathi.C of III year and Umamaheswari.R, A.P. published a paper on the 'Needed Recursive Thinking For an Engineer (Environment Setting for an Engineer Before Start Thinking)' in the Imperial Journal of Interdisciplinary Research, Vol. 3(2), Page No.17-19.

S.Sindhu, J.Subashree, J.Suganthi, M.Vinodhini of IV year and Umamaheswari.R, A.P. published a paper on the 'Coal Mining Safety using IoT' in the Imperial Journal of Interdisciplinary Research, Vol. 3(3), Page 1293-1296.

K.S. Jaibhavani A.P. and B.Hannuja of M.E., II year published a paper on the 'Modeling and Development of Decentralized PI Controller for Nonlinear System' in the International Journal of Trend in Research and Development, Vol. 3(6), Nov-Dec. 2016, Page 45-48.

M. Ramya Princess, A.P, V. Suresh Kumar, A.P (O. G.), and M. Ramjan Begum A.P (O. G.) published a paper on the 'Multimodal Image Registration using 3D Shearlet Transform and Global Rule' in the Imperial Journal of Interdisciplinary Research, Vol. 3(2), Page 1124-1129.

S.Prem Chakravarthy, G.Sidharth, R.Sai Vignesh, S.Shakeel, of IV year and K. R.Ganesh A.P, published a

paper on the 'Validatable Expiring Currency System' in the International Journal of Engineering Science and Computing, Vol. 7(3), Mar. 2017, Page 5008-5010.

R.Priyanka, M.Ranjani, R.Vidhya, and S.Vigneshwari of IV year published a paper on the 'Stochastic Computation of Gammatone Filter based Hearing Aid for Impaired People' in the International Research Journal of Engineering and Technology, Vol. 4(2), Feb. 2017, Page 2017-2020.

A.Rehana Fathima, S.Sivaranjani, J.Prem Sagar, and K.Suriya Kumar of IV year published a paper on the 'Efficient Energy Harvesting and Transmission using Wireless Sensor Networks' in the International Research Journal of Engineering and Technology, Vol. 4(3), Mar. 2017, Page 352-355.

Shankara Narayanan.S, Ramprakash.G, Rajapandiyan.V and Saravana Perumal. R of IV year and Ms. R, Rathna priya. A.P. published a paper on the 'Drainage Over Flow and Current Leakage using Zigbee Technology' in the International Journal of Engineering Science and Computing, Vol. 7(3), Mar. 2017, Page 4918-4921.

Srinivasan. M, Sri Ram.N, Vikna Varma.G, Rakesh.G of IV year and Mr. Praveen Kumar.C, A.P. Published a paper on the 'Navigation using iBeacon' in the International Journal of Engineering Science and Computing, Volume 7(3), ISSN 2321 3361, March 2017, Page No. 5100- 5103.

R.Sandeep Kumar of II year won the prizes noted below in the competitions held at MIT, Chennai on 18<sup>th</sup> and 19<sup>th</sup> February 2017, namely, (1) Cube competition-2x2 with feet- 2<sup>nd</sup> Prize, (2) Cube competition-3x3 with feet- 3<sup>rd</sup> Prize & (3) Fewest Move Challenges- 3<sup>rd</sup> Prize.

S.Visalakshi, Professor and Head, P.Suwetha, S.Sundareswaran, V.Sophy Rhoda and N.Manjari presented a paper on the 'IOT based Farm Friendly Hybrid Cultivator using Renewable Energy' in the International Conference on the Current Research in Engineering Science and Technology (ICCREST-2017) held at Jayaram College of Engineering and Technology on 17<sup>th</sup> March 2017.

K.Ayyar, A.P., M.Aishwarya, S.Anudharshane, A.V.R.Laxmipriya, M.Nikita published a paper on the 'Cloud Connected LPG Cylinder' in the Transactions on Engineering and Sciences, Vol. 5, issue 1, Mar. 2017.

## CENTRAL LIBRARY

VEC Central Library enrolled as the institutional member with DELNET Developing Library Network, New Delhi signed an MOU for the period March 2017 to February 2018.

Dr.B.Balamurugan, Librarian attended a one day National workshop on the 'Open Source in Digital Library Management', organized by Eswari Engineering College on 7<sup>th</sup> March 2017 at Chennai.



Tamil Mani.P, A.P., Santhosh.S, Vishwa Janani.R, Srivarsha.S, and SureshBabu.U presented a paper on the 'Design of Automated Medical Machine' in the National Conference on Communication and Computing (NCCC'17) held at SRM University, Ramapuram on 2<sup>nd</sup> Mar. 2017.

## Department of Information Technology

A Guest Lecture was delivered on the 'Robotics' on Jan. 11<sup>th</sup> 2017 by Mr.M.Gowthaman, Team Leader, PLC Technologies, Chennai.

A Guest Lecture was delivered on the 'Analysis of Algorithms' on Feb. 2<sup>nd</sup> 2017 by was Mr.B.Raja, Technology-Lead, Chennai Softech, Chennai.

A one day Awareness program on the 'Cyber Crime' was organized on 9<sup>th</sup> Feb. 2017 for the Govt Hr Sec School, Padalam, by the National Cyber Defense Resource Centre (NCDRC) and the National Service Scheme (NSS), VEC.

A one day Workshop on the 'Complete View of Service Oriented Architecture' was organized on 17<sup>th</sup> Feb. 2017 by Mr.P.Natarajan, Director Technology & Strategic Partnerships, Classle Knowledge Pvt. Ltd, Chennai.

An Industrial Visit to 'Doordharshan Kendra, Chennai' was organized on 2<sup>nd</sup> February 2017 for the Second Year IT-1 Students and an Industrial Visit to 'Pantech ProED Private Ltd, Chennai' was organized on 24<sup>th</sup> February 2017 for the Second Year IT-2 Students.

An Industrial Visit to 'Eye Open Technologies, Chennai' was organized on 17<sup>th</sup> March 2017 for the Third Year IT-2 Students and an Industrial Visit to 'DTTC BSNL, Tambaram, Chennai' was organized on 21<sup>st</sup> March 2017 for the Third Year IT-1 Students.

An Industrial Visit to 'CITS Pvt. Ltd., Chennai' was organized on 27<sup>th</sup> March 2017 for the Final Year IT-2 Students and an Industrial Visit to 'Woory Automotives India Pvt. Ltd., Chennai' was organized on 28<sup>th</sup> March 2017 for the Final Year IT-1 Students.

Ms.R.Shanthi, A.P, published a paper on the 'Blood Vessels Segmentation in Fundus Images' and Mr.K.Elaiyaraja, A.P, published a paper on the 'Smart Human Two wheeler Safety System' in the International Research Journal of Engineering and Technology, Vol. 4, Issue 3, March 2017.

Dr.N.Krishnaraj, A.P, participated in a two day Summit on the 'National Cyber Safety and Security Standards Summit 17 (VI Edition)' on 17<sup>th</sup> and 18<sup>th</sup> February 2017, by BITS Pilani, Hyderabad Campus.

Ms.R.Thenmozhi, A.P, participated in a two day FDP on 17<sup>th</sup> and 18<sup>th</sup> February 2017, by L.V Prasad Film and TV academy.

Ms.A.R.Revathi, A.P, participated in a two day workshop on the 'Internet of Things' conducted on 2<sup>nd</sup> - 3<sup>rd</sup> March 2017, by CSE Dept., Anna University, Chennai.

Ms.S.Jeyalakshmi, Mr. S.Sekar, and Mr.K.Elaiyaraja, participated in a three day FDP on the 'Recent Trends in IOT' conducted on 24<sup>th</sup> & 26<sup>th</sup> Nov. 2016, by the Dept of IT, Jeppiaar Engineering College, Chennai.

## Department of Mechanical Engineering



Industrial Visit was arranged to Madras Engineering Industries Pvt. Ltd.

An Industrial Visit was arranged to Madras Engineering Industries Pvt. Ltd. on 12.01.2017 for the Second year Sec-III.

A Guest Lecture was delivered on the 'Advanced Machining Process' by Mr. Ananthan, Divisional Manager, Quality and Testing Section, Ashok Leyland, Ennore on 31.01.2017.



Guest Lecture on the 'Advanced Machining Process'

A Guest Lecture was delivered on the 'Computational Fluid Dynamics' by Dr. N Kulasekaran, Assistant General Manager, Fiat Chrysler Automobiles India Pvt. Ltd., on 27.02.2017 at New Seminar Hall.



The Chief Guest honoured by HOD-Mechanical on a Guest Lecture



## SAE Workshop



The workshop of SAE was successfully conducted on 04.02.17 and 05.02.17. 25 teams comprising 101 participants attended the program. The Program was inaugurated with the delegates from SAEINDIA. Then, training sessions were conducted by the official trainers of the SAEINDIA. Then, the program resumed with the assembling session. Then the participants moved on to the open ground, in front of the TPG auditorium, for flying the aero models prepared. The program was concluded with the Valedictory address by the experts from Anna University and SAEINDIA.



Guest Lecture on the 'Basics of Grinding'

A Guest Lecture was delivered on the 'Advanced IC Engines' by Mr.S.Karthikeyan, Senior Manager, Ashok Leyland Technical Center, Chennai to the Third Year Mechanical Engineering Students.

A Guest Lecture on the 'Basics of Grinding' by Mr.MariaSelvadas (Alumni - VEC) , Application Engineer, Saint-Gobain Industry, Bangalore, was arranged on 10<sup>th</sup> March 2017 to the Second Year.

## Department of Master of Computer Applications

Mr.V.Santhana Marichamy, A.P., attended an FDP on 'Firewall, Installation, Configuration and Management' organized by ICT Academy PaloAlto Networks at Sri Sairam Engineering College from 9<sup>th</sup> to 13<sup>th</sup> Jan. 2017.

Ms.G.Dharani Devi, A.P., organized a Guest Lecture on 'Knowledge Management' in association with the Computer Society of India (CSI) on 04.02.2017. Mr. R. Ramana , Project Manager, IBM India Pvt Ltd, Chennai delivered a lecture.

Mr.M.Asan Nainar, A.P. organized a Guest Lecture on the 'Application Development in Android Platform' in association with the Computer Society of India (CSI) on 17.02.2017 by Mr.P.Kishore Kumar, Senior Programmer Associate, HCL Technologies, Chennai.

Mr.R.Nareshraj, III year MCA student won the first prize for 'Isai Thamizh' event conducted at INSTINCTS 2017 organized by SSN College of Engineering, Chennai on March 9,10 and 11, 2017.

Dr.A.Abdul Rasheed, Professor and HOD, presented a paper in the 3<sup>rd</sup> International Conference on 'Electrical, Electronics & Computer Engineering (ICEECE - 2017)' on 9<sup>th</sup> March 2017 organized by Vivekananda College of Engineering for Women, Tiruchengode.

## Department of Master of Business Administration



National Seminar on 'Online Share Trading: A Practical Approach'

The Dept. of Management Studies, conducted a National Seminar on the 'Online Share Trading: A Practical Approach' on 04.03.2017. Mr. Vivek Karwa, Founder, Vridhi Investments, Chennai, inaugurated the Seminar and addressed the students on the nuances of Mutual Funds. Mr.Sathyanarayan Yanmantram, Investment Consultant, Sri Krishna Capital, Chennai handled a session on Share



Guest Lecture on the 'Impact of Globalisation on Trade Unions'



Markets and Online Share Trading. Mr. Jeyaprakash, NSE empaneled Trainer conducted the practical session.

A Guest Lecture on the 'Impact of Globalisation on Trade Unions' was conducted on 14.02.2017 for the First and Second Year MBA Students. The lecture was delivered by Mr. J.Srinivasan, DGM Trainings, S & N Hayakawa Enterprises Pvt. Ltd., Chennai.



Staff Industrial Visit to 'Rajan Engineering Works'

An industrial visit to 'Rajan Engineering Works', Pallavaram was arranged for the Faculty members on 11.02.2017.

A program on 'Women Wellness' was conducted on 30.01.2017. Dr. Christina, retired surgeon, Chengalpattu Government Hospital addressed the girl students of B.E / B.Tech, MBA and MCA depts. on the various issues.

## Entrepreneurship Development Cell



**E**ntrepreneurship Development Cell organized an online training course 'Learnwise App course - S100' on 20.02.2017. 60 students from various branches of Engineering and MBA enrolled and benefited from the course.

Entrepreneurship Development Cell in association with the Renewable Energy Club jointly organized a two day training program on the 'Solar Power Plant Installation and Maintenance' on 9th and 10th Jan. 2017, for the Engineering & MBA Students. Mr.A.Vijayabalan, Founder and CEO of Transun Energy Systems provided hands on training for the students using Solar Panel Kits.

## Department of Physics

A Guest lecture was delivered by Dr.M.Arivanandhan, Asso. Prof., Centre for Nanoscience and Technology, Anna University, Chennai on the 'Solar Cell and its Applications' on 17<sup>th</sup> February 2017.

A Guest lecture was delivered by Dr.S.Kutti Rani, Professor & Head, Dept of Chemistry, B.S. Abdur Rahman University, Chennai on the 'Nanomaterials for Photocatalytic applications' on 20<sup>th</sup> February 2017.



Guest Lecture on 'Recent trends in Superconductivity'

A Guest lecture was delivered by Dr.V.Anbarasu, A.P., Dept of Physics, SRM University, Ramapuram Campus, Chennai on the 'Recent trends in Superconductivity' on 14<sup>th</sup> March 2017.

Ms.S.Gandhimathi and Dr. H. Krishnan published a research paper on 'A Novel Proton Conducting Polymer Electrolyte membrane for Fuel cell application' in High performance polymers, January 2017, DOI 10.1177/0954008316684931.

## Department of English

The Department of English organized a workshop on 'Integrating pronunciation and ruling out ambiguity - the Cinderella of language skills on 25<sup>th</sup> February. The Resource Person was Dr.E.Koperundeivi, Prof., SASTRA University.



Inauguration of Burke Club

The three sessions of Burke Club were held on 14<sup>th</sup> Feb. 9<sup>th</sup> Mar. and 20<sup>th</sup> Mar. 2017 respectively. Students participated in the Oratorical competitions with zeal.





Inauguration of National Seminar

The Dept organized a National Seminar on 'Communication Skills and Beyond - A Pragmatic Approach on 15<sup>th</sup> March 2017. The Resource Persons were Dr.P.Ramani, Senior Educational Consultant, former Dean, School of Education, SASTRA University and Dr.S.P.Dhanavel, Prof., IIT Chennai. Linguathon Phase II a series of competition was organized on 31<sup>st</sup> March 2017. On that occasion, Short film making and Just a Minute were conducted.

## Department of Mathematics

Ms.V.Vijiyalakshmi, A.P., presented a paper on 'Solving FFLSE with circulant Hexagonal Fuzzy Number Matrices by LU Decomposition method', in the National Conference on Mathematical Techniques and their Applications (NCMTA) at SRM University, January 27-28, 2017.

Dr.A.Felix, A.P., Mathematics, School of Advanced Science VIT University Vellore, delivered a lecture on 'Numerical Methods with C- Programming' on 15.02.2017.

Dr.S.Chitra, HOD presented a paper on the 'Application of Perfect domination in logistics services using web service composition' in the International Conference on Discrete and Computational Mathematics organized by the Gandhigram Rural Institute-Deemed University, Feb 16-18, 2017.

Ms.V.Vijayalakshmi, defended her Ph.D' public Viva-Voce examination on 'A Study on Fuzzy Matrices and its Applications' on 25<sup>th</sup> February at Dravidian University.

Ms.A.Karpagam participated in the Workshop- Fuzzy Set Theory and its Applications (WFTA-2017) organized by SRM University on 9<sup>th</sup> March 2017.



'MATHFEST 2K17'

The Mathematics Association 'EULER.COM' organized the talent searching program 'MATHFEST 2K17' on 16.03.2017 for the first year students . Programs such as 'Olympiad', 'Puzzle', 'Paper Presentation' and 'Mathematical Modeling' were conducted. 25 papers and 10 models were submitted. Following that 'Quiz' program was conducted for seven teams.



Guest Lecture on the 'Spectral density and its future scope'

A Guest Lecture on the 'Spectral density and its future scope' on 18<sup>th</sup> March 2017 for the fourth semester B.E. Electronics and Communication Engineering student was conducted. Dr.C.Vijayalakshmi, Asso. Prof., Dept of Mathematics, VIT University Chennai was the Guest Speaker of the session.

## Main Server Installation



The Director, VEC and Pro-Vice Chancellor, SRM University inaugurating the Main Server at VEC

The Main Server was installed and Dr.T.P.Ganesan, the Director of VEC and Pro-Vice Chancellor inaugurated. The Principal, the Vice Principal and the HoDs of the different Depts were also present. Two Dell Power Edge R530 were installed and the configurations are as follows.

Intel Xeon E5-2640 V4 2.4 GHz, 20MB Cache, 8x2 Core Processor, 16x2 GB RDIMM RAM, 300GB x 2 SAS 15K 12Gbps 2.5 in Hot-Plug HDD, 1 TB x 3 SATA 7.2K 6Gbps 3.5 in Hot-Plug HDD, DVD R/W, 4 x 1Gbps NI.



## Youth Red Cross

A smoking awareness campaign was conducted by the YRC volunteers, on 17.02.17 Wednesday. The Campaign covered VEC and SRM University campuses in order to make students aware of the ill effects of smoking. The campaign was successful and 25 volunteers actively took part in the event.

An essay competition on 'Disaster Management' was conducted on 12.01.17, in order to celebrate 'National Youth Day'. There were 21 participants from different departments and the prize winners were, 1.B.Swetha Lakshmi (EIE) - First Prize, 2.U.Vijayananth (Mech.Engg.) - Second Prize, 3.R.Shyam Sundar (Civil Engg.) - Third Prize

Fresh Volunteers Enrolment Drive was conducted on 14.02.17 for the interested candidates to take part in the Social Service Activities of YRC.

A Blood Donor's Registry was also inaugurated on 16.02.17, with a view to creating a communication channel between those willing to donate and receive blood. A Whats App group was also created for the same.

## National Service Scheme

■ Thirty one NSS volunteers of Valliammai Engineering College created an awareness at Government Higher Secondary School, Paladam related to cybercrimes on 09.02.2017.



The Cyber Security Awareness Camp

■ A set of 31 active volunteers were clubbed into six different groups to visit nearly 600 residents and traders. The volunteers were distributed with the pamphlets



Cashless and Digital Transactions Campaign

## The Republic Day Parade Camp - 2017



Mr.S.Parthasarathy, NSS Programme Officer awarded with a Memento & Certificate

Mr.S.Parthasarathy, AP (Sel.G), MCA & NSS Programme Officer, Valliammai Engineering College acted as the Camp Officer in the Republic Day Parade Camp - 2017 for the NSS contingent held at SDAT Tennis Stadium, Nungambakkam, Chennai from 15<sup>th</sup> to 26<sup>th</sup> January 2017.

printed in their regional language to make clear the method of cashless transactions and their steps. Among 597 residents and traders, there were 559 positive feed backs. The main objective of this awareness program was an attempt towards changing India to a Digital nation.



Special Camp of IHHL (Individual House Hold Latrine) construction under the Government schemes of Open Defecation Free (ODF) in Nallambakkam and Nedungundram villages.

■ A Special Camp was held on IHHL (Individual House Hold Latrine) construction Nallambakkam (village code:19) & Nedungundrum (village code:18), Kattankulathur Block (No.7), Chengalpattu Taluk, Kanchipuram District, Tamil Nadu From 6<sup>th</sup> Mar.2017 to 12<sup>th</sup> Mar.2017.



Special Camp Report On IHHL (Individual House Hold Latrine)



The National Service Scheme of Valliammai Engineering College organized a seven day Special Camp from 6<sup>th</sup> to 12<sup>th</sup> Mar. 2017 at Nallambakkam (village code:19) and Nedungundram(village code:18), villages that come under Kattankulathur Block (Block no:7), Chengalpattu Taluk, Kanchipuram District, Tamil Nadu. It is imperative to mention that the Nallambakkam and Nedungundram villages have been adopted by our NSS-team under 'Swachh Bharat Abhiyan' and as a part of 'Clean India Movement' to implement 'Individual Household Latrine' (IHHL) construction.

## Department of Placement & Career Guidance

Among the eligible students, 69 students were recruited by various companies through Campus Drive held between January and March 2017.

The list of companies visited, Sysveda Information Technology, GSS Software, Tech Mahindra, Amazon, Econ System India Pvt. Ltd., AMTEK Auto. Ltd., Sutherland Global Services, Neeeyamo Enterprise Solution, Disha Interiors, IBM, New Gen & CSS Corp.

A Workshop was organized on the 'Workshop on Aptitude ' for the 3<sup>rd</sup> year students and Mr.T.Karthik, the Resource Person conducted the session on speed maths & shortcuts.



'Workshop on Aptitude '

The Dept. of Placement and Career Guidance organized an Orientation Programme for the 3<sup>rd</sup> year and 1<sup>st</sup> year students on 14<sup>th</sup> & 24<sup>th</sup> Mar, 2017 respectively.

The Dept. of Placement and Career Guidance organized Scholasticus Ingenium during the month of Jan to Mar, 2017. Six Programs were conducted, on the following dates, 10<sup>th</sup> Jan - Corporate Roadies & Budget, 31<sup>st</sup> Mar - The Date & Customer Care, 13<sup>th</sup> Feb - Love yourself & Creative Resume writing, 28<sup>th</sup> Feb - CEO & RTI, 14<sup>th</sup> Mar - Creative Writing & Debate and 23<sup>rd</sup> Mar - Doodles & JAM.

Mr.Abhishek David John, A.P. & Ms.M.Arthi, A.P. published a paper on the Non Verbal Communication in Public Speaking in the International Journal of Research in Humanities, Arts & Literature in the Issue II, Vol.5, Feb 2017. Paper Id : IJRHALFEB2017.

## 'Vetripadigal 2017'



Puthiyathalaimurai and Valliammai Engineering College organized an education forum 'Vetripadigal 2017' on 31.01.2017. Mr. Udaya Sandaron, the International Corporate Trainer was the Chief Guest.

Mr. Abhishek David John, A.P., Ms.M.Arthi, A.P., & Mr.Anbukani, Trainer published a book titled 'A Spark of English Grammar' on Mar, 2017.

Mr.Abhishek David John, A.P., published a book titled 'Spark in Mechanical Engineers'.

Ms.M.Arthi, A.P., & Mr. Abhishek David John, A.P., attended a three day workshop on 'Softskills, Pedagogy and Management training for the Faculty of Engineering Colleges, conducted by Anna University.

Ms.S.R.Preethi, A.P. attended a two day workshop on 'IOT' organised by MIT College, Anna University.

## Sports



Sports activities

The sports activities such as basket ball, volley ball, foot ball, kabbadi, hand ball, table tennis and chess were conducted by the Dept. of Physical Education during Jan.-March 2017.

Games such as throw ball, Kho-Kho, table tennis and chess were conducted for girls.

The prize winners were honoured in the College Day.



## VEC - the Best Accredited Student Branch



The Computer Society of India has recognized our VEC Student Branch as the 'Best Accredited Student Branch' for the significant contribution to the CSI activities. The award was received by Dr.M.Senthil Kumar at Coimbatore on 25<sup>th</sup> Jan. 2017.

## Department of Chemistry



Guest Lecture on 'Renewable Energy'

The Dept of Chemistry organized a Guest Lecture on 8<sup>th</sup> February 2017 on the 'Renewable Energy'. Dr.S.Renganathan, Professor, Dept. of Biotechnology, Anna University delivered the lecture.

Dr.R.Rajeswari, A.P., Dept. of Chemistry, Quaid-E-Millath Government College for Women (Autonomous), delivered a lecture on the 'Engineering Materials' on 9<sup>th</sup> March 2017 during another Guest Lecture organized by the Chemistry Dept.

The Dept. of Chemistry also organized a Seminar in association with the 'Association of Material Scientists' and Physical Sciences Club for the I year B.E/B.Tech students on



Guest Lecture on 'Engineering Materials'

'Chemistry towards Engineering' on 4<sup>th</sup> February 2017. Dr.S.A.Ananthan, Scientific Manager, R&D, Group of Cetex Petrochemicals Ltd, Chennai and Dr. V. Thatshanamoorthy, Quality Control Specialist, Indian Additives Ltd, Chennai delivered lectures in the Seminar.

Dr.N.Jayaprakash published a paper in the 'International Journal of Photochemistry and Photobiology, B: Biology' titled 'Green synthesis of Ag nanoparticles using Tamarind fruit extract for the antibacterial studies' 169,(2017),178-185 with an impact factor of 3.035.

Mr.T.Athimoolam participated in the seminar on the 'Recent trends in Catalysis' at Anna University on 28<sup>th</sup> Mar. 2017.

## National Seminar



Release of CD - National Seminar on the 'Concepts of Green Chemistry-2017'

The Department organized the 3<sup>rd</sup> National Seminar on the 'Concepts of Green Chemistry-2017' on 27<sup>th</sup> March 2017. Dr. Mukesh Doble, Professor, Dept. of Biotechnology, IIT Madras was the Chief Guest and delivered a lecture on the 'Polymers and their environmental impact and Biopolymers as alternative' during the first session. Dr. Ashok K. Sundramoorthy, Assistant Professor, Dept. of Chemistry, SRM University delivered a lecture on the 'Carbon Nanotubes and Graphene in Flexible Electronics and Biosensors'. Dr.D.Sangeetha, Prof., Dept of Mechanical Engineering, Anna University delivered a lecture during the second session on the 'Microbial fuel cells for simultaneous electricity generation and water purification'. More than 50 abstracts were received and the participants from various colleges discussed their research findings in the Seminar.





Seminar on the 'Chemistry towards Engineering'

The Dept. of Chemistry and Physics in association with the 'Physical Sciences Club' jointly organized 'Resonance 17' (Technical meet for the I year B.E/B.Tech students) on 6<sup>th</sup> March 2017.

In the 3<sup>rd</sup> National Seminar on the 'Concepts of Green Chemistry-2017' organized at VEC on 27<sup>th</sup> March 2017, the Staff noted below presented papers.

(i) Mr.V.Arivalagan on the 'Synthesis and Characterization of a novel imines and their Biological applications'.

(ii) Dr. S.G.Gunasekaran, on the 'Ultra Low-k Dielectric Mesoporous Silica reinforced Pyrenyl Pyridine core Polybenzoxazine (SBA-15/PBZ) Nanocomposites' and 'Glycidyl functionalized Multi-Walled Carbon Nanotube Reinforced Pyridine Core Polybenzoxazine (MWCNT/PBZ) Nanocomposites'.

(iii) Dr.M.Soundarrajan on the 'Sources effects and remedail of toxic metals in industrial waste water'.

(iv) Ms.M.Meera on the 'Removal of heavy metals from dye effluent using activated Carbon produced from Puvarasu and Mango leaves'.

(v) Mr. R. Balaji on the 'Synthesis and studies on Complexes of Ni(II), Cu(II) and Zn(II) with substituted O-hydroxyphenyl Glyoxal'.

(vi) Mr.T. Athimoolam on the 'Catalytic enantioselective intermolecular cycloaddition of a Diazo- $\beta$ -ketoester with allenes using chiral dirhodium (II) carboxylate'.

## The College Day

**T**he College Day extravaganza of Valliammai Engineering College was organized on 25<sup>th</sup> March 2017 at the Dr.T.P.Ganesan Auditorium. Dr.M.Murugan, the Vice Principal welcomed the gathering. Dr.B.Chidhambararajan, the Principal presented the Annual Report. Dr.T.P.Ganesan, the Director, delivered the presidential address.

Dr.N.Arun Sundararaman, Managing Director, Accenture was the Chief Guest. The Crew of the film 'Maanagaram' comprising Mr.Likesh Kanagaraj, the Director, Mr.Selvakumar, the Cinematographer, Javad Riaz, the Music Director inaugurated 'Vectorians', the Fine Arts Club of the College.

The Chief Guest in his address motivated the students and advised them to make use of the opportunities available in the best possible ways. He appreciated the achievements of the staff and the students of the College. He talked about the excellent infrastructure facilities of the college as well. He insisted that Engineering Colleges should not just focus on churning out engineers but to make the students' technical knowledge with a societal need. The most attractive part of the show was the cultural programme hosted by the students which included dances, mime shows and a musical treat. Dr. D. Elango, the Head, Dept of Civil Engineering proposed a vote of thanks.

