



Valliammai Engineering College

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VEC NEWS

[Quarterly]

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13th Graduation Day



Valliammai Engineering College organized its 13th Graduation Day on 2nd September, 2017 at Dr.T.P.Ganesan Auditorium. The day was celebrated in a grand manner. Dr.T.R.Paarivendhar, Chairman, SRM University, Head (SRM Group) delivered the Presidential address and also advised the graduands to follow the morals and the basic principles in their professional and personal life. The Chief Guest, Dr.P.Ilango, former Vice-Chancellor, Professor, Bharathiar University enlightened the students by his informative speech and gave away the certificates to the graduands. Dr.T.P.Ganesan, Director, VEC, Pro-Vice Chancellor, SRM University delivered the welcome address. Dr.N.Sethuraman, Registrar, SRM University greeted the graduands. Dr.B.Chidhambaram, the Principal presented the Annual Report for the year 2016-17. Dr.M.Murugan, Vice-Principal announced the name list of the university rankholders. A total of 25 students received medals and 915 students got their degree certificates.



Faculty Induction Programme

Faculty Induction Programme for the newly joined Faculty members of our College was conducted on 08.07.2017. Twenty Eight Faculty members attended the programme.

Dr. M. Murugan, Vice Principal, inaugurated the programme and delivered a lecture on the 'Job Responsibilities of the Engineering College Teachers' and explained the official procedures that are to be followed in our College viz., Leave rules, Self appraisal, Bio-metric attendance, Procedure for attending the Seminar, Conference, etc. He also stressed the importance of the teachers' role in Academic, Research and Administrative works.

Dr. A. Abdul Rasheed, Prof. & Head, MCA, elaborated on the 'Internal Quality Assurance Cell (IQAC)'. He pointed out the general information about the process of IQAC to improve the academic & administrative performance of the institution.

Dr. L. Devaraj Stephen Asst. Prof. and Head i/c, Department of Chemistry elaborated on the 'Pedagogy Principles for Effective Teaching and Innovative Learning Technologies'. He also explained the ways to handle our students in the classrooms.

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



Mr. N. Lakshmana Perumal, Prof. and Head, Dept. of English delivered a lecture on 'Counseling and Motivation'. He stressed that the faculties should carefully handle the students and also explained how to solve the students' problems effectively. He also explained the different ways of teaching and handling the students in classrooms with examples. This session was very useful for the Faculty members.

Dr. M. Anbuechezhiyan, ISO-MR & Associate Professor, Dept. of Physics elaborated on the quality objectives and various processes of the ISO 9001:2015 followed in our College. He also explained how to maintain the ISO files in the Dept and talked about the local chapter 'NPTEL on-line Examinations' and encouraged the Staff to register for the same. Achievement of our local chapter and how to get toppers from our college was also discussed in this session.

Mr. G. Madhusudan, Asst. Prof. (Sel.G) Dept. of EEE, delivered a detailed lecture on the rules and regulations that are to be followed by the Faculties during the web portal entry and in the Anna University examinations.

Independence Day Celebration



The Independence day was celebrated on 15th August 2017 at our VEC campus. Dr.S.Visalakshi, Prof & Head, Department of Electronics and Instrumentation hoisted the National Flag and addressed the gathering. Dr.B.Chidhambararajan, the Principal delivered the special address. The HoDs and the Non-Teaching Staff of different departments took part in the celebration.

Department of Civil Engineering

The IV year B section students went on a two day industrial visit to the Mettur dam, the Malampuzha dam and the E.S.R Constuction on 04.08.17 and 05.08.17.

The II year C section students went on a one day industrial visit to the RSK Construction, Kancheepuram on 10.08.17 related to concrete technology.

The Dept Of Civil Engineering organized a Guest Lecture on the 'Integrated Water Resource Management' on 11.08.17 in which Dr.N.K.Ambujam, Professor & Director, Centre for Water Resources, Anna University was the Guest Speaker.



Guest Lecture on 'Integrated Water Resource Management'

T.Lokesh, B.Jayachandaran and M.Kalyani Kumar of II year Civil 2 participated in the event 'Plan Your City' and won the First Prize of Rs.5000/- in the National Level Technical Symposium organized by the Dept of Civil Engineering, Pondicherry Engineering College on 02.08.17.



First Price & Cash award winners of II year Civil Engg Students for the event 'Plan Your City' & 'Junk Art (using waste material)'

M.Muthunarayanan, T.Lokesh and B.Jayachandaran of second year Civil B participated in the event 'Junk Art' and won the First Prize in the National Level Technical Symposium organized by the Dept of Civil Engineering, Pondicherry Engineering College.

The following students of second year Civil B attended a one day workshop on the 'Analysis and Design of Buildings using STAAD PRO' at Pondicherry Engineering College on 02.08.2017

T.Lokesh, M.Kalyani Kumar, B.Jayachandaran, M.Muthunarayanan, B.Janani, K.V.Kannan, C.R.Nivedha & S.Kaviya Sree.

A.Vishnu Kanna of II year Civil C secured the Runner up position in the Anna University Zonal Tournament held at M.I.T Campus on 18.08.17 & 19.08.17 for Hand Ball event.

Ms.M.Saranya /AP and Ms.Y.Sathya /AP attended a one day workshop on the 'Disaster Management and its Impact Assessment' on 24.08.17 held at St.Joseph's Engineering College.

National Level Technical Symposium



The Department of Civil Engineering, SRM Valliammai Engineering College and Civil Engineers Association organized CONSTRUO '17, the Sixth National Level Technical Symposium on 23rd September 2017, Saturday. It was inaugurated by the Chief Guest Colonel P.Nallathambi, M.E., MBA., MCA., F.I.E., F.I.V., Principal Structural Consultant, Sakthi Consultancy Pvt. Ltd., Chennai. In the Inaugural address he motivated the students by sharing his experience about the challenging Road Construction and Border Line Constructions in Indian military. He also highlighted the evolution of Civil Engineering from the past to the current trend. This inaugural function was presided over by Dr.D.Elango, Head of the Department. Technical events like Paper Presentation, Poster Presentation, Technical quiz, CADD Quest, Model making and non-technical events like Ship Wreck, Minute to Win, Connection and Surprise Event were conducted. Around 75 technical papers were received, out of which 30 papers were selected for presentation. Totally, 150 Students from various Engineering colleges across Tamil Nadu attended the symposium. The best performers were awarded with cash prizes in the valedictory function.

The III year C section students went on a one day industrial visit to the 'Space CADD Designers & Constructions, Kancheepuram' on 06.07.17.

A one day national workshop was organized on the 'Emerging Trends in Engineering Industry' on 07.09.17 by Mr.R.Chinna and Ms.D.Poornima, Senior CADD Engineer, CADD Centre.

Sanjay Ganesh, S.Ramkumar, R.Siva Raman, K.Thamarai Selvan of III year C Section secured the 2nd prize in Model making at Hindustan Institute of Technology and Science in the National Level Technical Symposium on 9th September 2017.

R. Yashwin Raj, K. Sushmitha Dhatchayani, A.Sowmya, of III year C Section secured the 1st prize in the Poster presentation at the Hindustan Institute of Technology and Science in the National Level Technical Symposium on 9th September 2017.

The Dept of Civil Engineering organized a three day 'Entrepreneurship Awareness Camp (EAC)' sponsored by the 'Entrepreneurship Development Institute of India (EDI)

Ahmedabad, NST Entrepreneurship Development Board, DST, Govt. of India, DST NIMAT Project 2017-18 scheme for the Science & Technology and Diploma students during 11th to 13th September 2017. The main objectives of this camp was to explore the possible business opportunities and create all necessary awareness to start an SSI Unit as per the Government procedures to the young students of Science & Technology and Diploma disciplines.



Three day 'Entrepreneurship Awareness Camp (EAC)

The Dept of Civil Engineering organized a Guest Lecture on the 'Applications of Geology in Civil Engineering' on 26.09.17 for the second year Civil Engineering students in which Dr.T.Magendran, Geologist, Public Works Department - WRD, Taramani was the Guest Speaker.



Guest Lecture on the 'Applications of Geology in Civil Engineering'

M.E Structural Engineering students went on an industrial visit to the 'Structural Engineering Research Centre' Taramani on 26.09.2017.

Department of Computer Science and Engineering

Mr.N.Leo Bright Tennisson published a paper on the 'Cylindrical Cluster Data Structure for Incremental, Interactive and Frequent Utility Pattern Mining' in the International Journal of Pure and Applied Mathematics, Vol: 114, Issue 11, ISSN: 95-104.

Ms.J.Sharmeli, Ms.V.Sanjeeya (UG Students) and Ms.G.Sangeetha published a paper on 'The Study of Information Retrieval' in the International Journal of Science Technology and Engineering, Vol: 4, Issue 2, ISSN: 2349-784X, Aug. 2017.

Ms.D.Kavitha published a paper on the 'Security Threat Management by the Software Obfuscation for Privacy in internet of Medical Things (IoMT) Application' in J.compt. Theor.Nanosci.Vol.14,ISSN:3100-3114,2017.

Mr.N.Leo Bright Tennisson (AP), qualified for the UGC-NET and is congratulated in this regard.

Mr.L.Karthikeyan, AP completed his Ph.D Viva-Voice in the month of August and is congratulated for it.

Ms.K.Devi, AP presented a paper on the 'Multi Level Fault Tolerance in Cloud Environment' in the 2017 International Conference on Intelligent Computing and Control Systems (ICICCS), organized by Vaigai College of Engineering.

Mr.N.Nagarjan, Programmer participated in a two day workshop on the 'Python Lab' held on 18th and 19th August 2017 in Jeppiaar SRR Engineering College.

Ms.D.Kavitha, AP and Ms.S.Shanthi, AP participated in a two day workshop on the 'eLab python programming' held on 26th and 27th September 2017 in SRM University.

K.S.Nandhini and S.Sridurga from III yr. presented a paper in 'IoT in agriculture smart Farming' and won the first place in the National Level Technical Symposium organized by the Dept of IT.

G.Kishore of III yr CSE-1 won the II prize in the National Level Kho-Kho held at Adhiyammann Engineering College, Hosur from 26.08.17 to 28.08.17.

Kishore Ganth.S.D, Hrishikesh.K and V.Ajay of III yr CSE-1 participated in the Hackathon held at SVCSM University, Kanchipuram from 24.09.17 to 26.09.17.

S.J.Gokulakrishnan, R.Kishan and B.Induja III yr CSE-1 participated in the workshop on the 'Internet of Things' held in the month of September 2017 in SSN College.

S.J.Gokulakrishnan, R.Kishan III yr CSE-1 attended a one week Inplant training in NSIC Technical Services Centre Chennai and undertook a miniproject in the same centre.

Anishsurya.D III yr CSE-1 won the II prize at the Zonal Level in HandBall held at MIT in the month of September.

A Workshop was conducted on the 'Machine Learning' in association with the Computer Society of India on 1st September 2017. Dr.J.N.Swathi, AP/VIT University and Dr.E.Poovammal, Professor/SRM University were the Resource Persons.



Workshop on the 'Machine Learning'

A Workshop was conducted on 'Nano Computing' in association with the Computer Society of India on 21st July 2017. Dr.Ranjith Thapa, Assoc.Prof and Dr.Surabh Ghosh, AP, SRM University were the Resource Persons.



Workshop on the 'Nano Computing'

National Level Technical Symposium



A National Level Technical Symposium Cyborgs 2K17 was conducted on 12.08.2017. The symposium was inaugurated by Mr. Vaidhyanathan Venkataraman, Principal and Head (Finance Service) Capgemini India Private Limited. The participants were from different institutions of Tamil Nadu along with our college students. 173 students participated and made the symposium a successful event.

A three day - Entrepreneurship Awareness Camp (EAC) sponsored by the 'Entrepreneurship Development Institute of India (EDI) Ahmedabad, NST Entrepreneurship Development Board, DST, Govt. of India, DST NIMAT Project 2017 -18 scheme for the Science & Technology and Diploma students was held during 13th - 15th July 2017.

The students of second year CSE-2 went on a one day field study related to the Environmental Science and Welfare to Potheri hill on 6th September 2017.



Industrial Visit to Kochi

The students of Third year CSE-1 went on a 2 day Industrial Visit to four companies such as Day 1 Chipsoft Tech Systems and Watts Electronics, Day 2-Spectrum Softtech Solutions and Dimind Innovations (Info Park) at Kochi, Kerala on 25.08.17 and 26.08.17.



Entrepreneurship Awareness Camp (EAC) at Stigmata Techno Solutions and Infoziant

The Students participated in the Entrepreneurship Awareness Camp (EAC) were taken to Stigmata Techno Solutions and Infoziant at Palavanthangal, Chennai on the last day (15.07.17). The students were accompanied by the camp coordinators Ms.G.Sangeetha and Mr.K.Shanmugam, Assistant Professors / CSE Dept.

The Mini Project Expo-2K17 in association with the CSI Student Branch was conducted on 11.09.17 for all the CSE students. R.Prithive raj Kumar, Ramanan.G.R, Sandeep Kumar Raj and Vijay.R of III yr/CSE2 won the first prize.

Department of Electrical and Electronics Engineering

Conducted a one day workshop on the 'Enhancement of Power Electronics Devices in Renewable Energy' on 20th July 2017. Dr.R.Sridhar, Assistant Professor/EEE, SRM University was the Resource Person.

Dr.R.Karthik, Associate Professor, EEE Department delivered a lecture on the 'High Voltage Engineering' on 9th August 2017 in the University College of Engineering, Kancheepuram.

National Level Technical Symposium



The Department of Electrical and Electronics Engineering conducted the 7th National Level Technical Symposium on 5th August 2017. The objective of the seminar was to share the research articles related to the emerging new technological developments.

The inaugural session began with the welcome address delivered by Mr.T.R.Prassana Subramaniam, the Secretary of the Association. Mr.T.Harish Kumar, the student president briefed about the symposium. Dr.K.Elango, the HoD and Dr.M.Murugan, Vice Principal offered their felicitation.

The Chief Guest Mr.M.Coumarane, Deputy Chief Engineer, Centre for Applied Research & Development NLC India Ltd delivered a presentation on Energy Conservation in Electrical Engineering where the focus is on save energy save plant.

Finally, Mr.S.Muralidharan, the treasurer proposed a vote of thanks. In the symposium more than 50 research articles were received and the best 18 papers were selected for presentation.

As part of the Renewable Energy Club activities, a Guest Lecture was conducted on 'Harvesting Electrical Energy from Piezoelectric Effect and their Electrical Applications' on 11th August 2017. Dr.K.Balakrishnan, Professor and Head, Department of Electrical and Electronics Engineering, Karpaga Vinayaga College of Engineering & Technology, Madurantagam was the Resource Person.



Workshop on the 'Enhancement of Power Electronics Devices in Renewable Energy'

Organized a three day Entrepreneurship Awareness Camp (EAC) sponsored by the Entrepreneurship Development Institute of India (EDI) Ahmedabad, NST Entrepreneurship Development Board, DST, Govt. of India, DST NIMAT Project 2017-18 scheme for the Science & Technology and Diploma students. The camp was held during 28 - 30 August 2017.

Conducted a one day Guest Lecture on the 'Advancements in Electrical Machines' on 31st August 2017. Dr.T.Porselvi/Associate Professor, Department of EEE, Sri Sairam Engineering College, was the Resource Person.

Conducted a one day seminar on the 'Product Design using Embedded System' on 22nd September 2017. Mr. R.Ganapathy, Product Analyst and Promoter, EPR Labs, Chennai was the Resource Person.

Conducted a Guest Lecture on the 'On-line E-Commerce' on 29th September 2017. Mr.E.Karthick, Senior Application Analyst, CTS was the Resource Person.

Department of Electronics and Communication Engineering

The Mr.C.Saravanakumar Asst Prof received a 'Research Excellence Award-2017' for his research on 'A Substrate Biased Full Adder Circuit' on July 2017 in the Institute of Exploring Advances in Engineering (IEAE) an ISO 9001:2015 certified institute, accredited by EA-JAS.

Maveric Systems conducted their Campus Drive on 19.07.2017 at the New Seminar Hall, for the eligible 2018 batch students. Ms.S.Akshaya got selected for the company.

Accenture Software Solutions conducted their Campus Recruitment on 07.09.2017 & 08.09.2017 at the New Seminar Hall, for the eligible 2018 batch students. 32 students got placed in the Software Solutions.

The Second year ECE 1 students went on an Industrial Visit to 'Sakthi Transformers' Chennai on 07.08.2017 accompanied by the Faculty members Mr.A.Anbarasan, Asst Prof and Ms.A.Suganya, Asst Prof. The students witnessed the design procedure of transformers and demo sessions. The Industrial Visit helped the students to explore the role of transformers.

The Second year ECE 2 students went on an Industrial Visit to the 'RLT Instrumentation Pvt. Ltd' Chengalpet on

National Level Technical Symposium



13th National Level Technical Symposium was successfully conducted by the Dept of ECE on 09.09.2017 in association with the ISTE & IETE Students' Forum. The Chief Guest Ms. Archana Rajamanickam, Manager Human Resources, e con Systems India Pvt, Ltd emphasized the importance of the Vision and Mission to students and also insisted to be strong in the basics to reach greater heights in their career path. 100 students from various colleges participated and won prizes in various technical events.

10.08.2017 accompanied by the Faculty members Mr.M.A.Seenivasan Asst Prof and Ms.Indu Nikhil Asst Prof and then the students visited the manufacturing unit of Flow meters and Level indicators.

The Third year ECE 2 students went on an Industrial Visit to the 'ITI Limited, Electro Systems Pvt.Ltd, JVS Electronics Pvt. Ltd and Visvesvaraya Industrial and Technological Museum Bangalore' on 11.08.2017 & 12.08.2017 at Bangalore. During the visit, the students were guided by Mr.S.Marirajan Asst Prof and Ms.S.Subbulakhmi Asst Prof.

The Second year ECE 3 students went on an Industrial Visit to the 'Green Pearl Electronics Pvt Ltd' Potheri, Chennai on 04.08.2017. The Green Pearl Electronics and their production units such as EMS, LED, Solar and Power Systems were explained.

On behalf of the EDC Cell of VEC Entrepreneurship Awareness Camp (EAC), 93 the participated students went on an Industrial Visit to the 'Vi Microsystems Pvt.Ltd' Electronics Estate, Perungudi, Chennai on 27.09.2017. During this visit, the students learnt about the Surface-Mount Technology (SMT) based electronic circuits.

Dr.S.Ramesh, Asso. Prof., participated in a National workshop on the '3D EM Simulation Technique for Antenna & Filter using CST Studio Suite and ADS Software' on 19.08.2017 at Sri Venkateswara College of Engineering, Chennai.

Dr. Komala James, Prof., conducted the NBA MOCK Audit in ECE & EIE depts of Eswari Engineering College, Ramapuram, Chennai on 27.09.2017.

Mr.K.Arvind, Ms.S.Sobana final year ECE1 & ECE3 students had undergone their internships on the 'Antenna Design for Bluetooth' under the guidance of Mr.C.Saravanabhavan during 19.05.2017-19.07.2017 at Qmax Systems India Pvt Ltd, Chennai.

Mr.U.Dinesh Kumar, Mr.S.Murugappan, Mr.M.Arunkumar, Mr.R.J.Kowsalya, and Mr.M.K.Madhumeena, third year students had their Implant

Training from 19.06.2017 to 23.06.2017 at Southern Railway, Office of Senior Divisional Engineer, Tambaram, Chennai.

10 third year students attended a workshop on the 'Recent Trends in Database Technology' on 18.07.2017 at the Dept of Information Technology, VEC. This workshop created an awareness on handling the advance database technologies like MongoDB, Neo4j technologies.

Dr. Komala James, Prof presented the achievements of ECE Dept on 04.09.17 in the VEC premises for the UG-Freshers.

A Seminar on the 'Opportunities in Higher Education' conducted in association with the ISTE & IETE Students forum on 17.07.2017. The Chief Guest Mr. Murali.K, Trainer, T.I.M.E, Chennai delivered a lecture on the 'Opportunities in Higher Education' in different core fields where students can explore themselves.



Seminar on the 'Opportunities in Higher Education'

A Value Added Course was conducted on the 'Hardware Description Language (HDL) Programming using Electronic Design Automation (EDA) Tools' for our students during 24.07.2017-11.08.2017. Dr.N.Ushabhanu Asso Prof, Mr.C.Saravanakumar Asst Prof, Mr.S.Senthilmurugan Asst Prof delivered lectures and demonstrated on EDA Tool platform during the course.

A Workshop was conducted on the 'PCB Design' in association with the ISTE & IETE Students' Forum on 09.08.2017. The Chief Guest Mr.R.Purushothaman, Founder and CEO of EPRLABs, Chennai delivered a lecture on the Printed Circuit Board Fabrication, Assembly, Routing, and Testing.



Expert Lecture on 'Reconfigurable Antenna'

An Expert Lecture was conducted on the 'Reconfigurable Antennas' in association with the ISTE & IETE Students' Forum on 07.09.2017 for the benefit of students to the latest findings and technology in the RF domain. The Chief Guest Ms.A.Priya, Asst Prof, B.S.Abdur Rahman University, Chennai delivered a lecture on the antenna design, reconfigurable antenna types, properties, techniques and optimization algorithms for re-configurability.

A Guest Lecture on the 'Entrepreneur Opportunities and Challenges' was conducted to the third year students on 12.09.2017. The Chief Guest Mr. Senthil Kumar Gopinath, Managing Director, Technova Solutions Pvt. Ltd., Proprietor of Akshaya Group of Companies, our Alumnus passed out in the academic year 2006-2007.

A three day Entrepreneurship Awareness Camp (EAC) endorsed by the National Science & Technology Entrepreneurship Development Board Department of Science & Technology was conducted on the 'Entrepreneurship Opportunities and Challenges, Identification of Business Opportunities, Creativity and Business Intelligence'. Experts from various Government and private organizations addressed during 26.09.2017 - 28.09.2017 on how to start Small Scale Industries and Technical & Commercial aspects of SSI Units.

Mr.S.Senthilmurugan Asst Prof delivered his technical talk on the 'Reliability aware runtime power management for many core systems in dark silicon era' in knowledge sharing seminar on 13/07/2017 among our Faculty members.

The Knowledge Sharing Programme on the 'Design and Implementation of Electronic Stethoscope of Smart Chair for Monitoring Heart Rate and Stress Levels of Drivers' was presented by Ms. Indu Nikhil Asst Prof on 18.08.2017.

Ms. Mercy Subaraman Asst Prof delivered a technical talk on the 'Leveraging Unused Resources for Energy Optimization of FPGA Interconnect' on 22.08.2017 to improve our knowledge.

Ms. T.S. Sheriba Asst Prof delivered her technical speech on the 'Millimeter-wave Beam forming for 5G communication' on 23.08.17.

Mr. M. Selvaraj Asst Prof delivered a talk on the 'Stochastic Gradient Pursuit Algorithm for Compressive Sensing' on 24.08.2017 at knowledge sharing programme.

Mr.A.Pandian, Asst. Prof. delivered a technical talk on the 'Analysis of Schizophrenia Disease on MRI using Transform and Features Selection Method' on 15.09.17.

Dr.M.Murugan coauthored a paper entitled, "Root Raised Cosine Pulse Shape Based ICI Suppression in OFDM



On 31st July 2017, eleven staffs from the Maintenance Department retired after their extended services in the college. A farewell was given to them by their fellow staffs in an event and appraised their contributions. They were felicitated by the Vice-Principal, Dr. M. Murugan for their dedicated services in the college during their tenure and also the memorable moments with them.

System for Rayleigh Multipath Channel”, International Journal of Engineering and Technology (IJET), Vol. 8 No. 6 2017, 2795-2799.

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

Mr.V.R.Balaji (Research Scholar) and Dr.M.Murugan coauthored a paper entitled, “Design and optimization of photonic crystal based eight channel dense wavelength division multiplexing demultiplexer using conjugate radiant neural network”, Journal of Optical and Quantum Electronics, Vol. 49, No. 5, 2017, pp. 1-15.

Ms.T.S.Sheriba, (Asst. Prof. & Research Scholar) and Dr.M.Murugan coauthored a paper titled, “Slotted Microstrip Patch Antenna for S band Applications”, Proceedings of International Conference on Electrical Communication and Computing (ICECC-2017), pp.1-4, TEC, Chennai, 2017.

Dr.M.Murugan coauthored two papers titled, ‘Root Raised Cosine Pulse Shape Based Approach to Alleviate ICI in Rician Faded OFDM System’ & ‘Number of Subcarriers based performance analysis for Rayleigh faded OFDM system’ in the Proceedings of 10th National Conference on Modern Emerging Engineering Trends (NCMEET 2017), Amrutvahini College of Engineering, Sangamner, 2017, pp:5 & 7.

ISO External Audit



The First Annual Surveillance Audit (External) of ISO 9001:2015 was conducted on 24.07.2018 by the team of auditors appointed by TUV Rheinland. The external auditors have audited the Quality Management System (QMS) procedures followed in our college and appreciated the present teaching-learning system followed in our college and the measures taken for the improvement with the active involvement of the Faculties. It is the general practice that three internal audits per semester and one external audit per year are conducted.

Department of Electronics and Instrumentation Engineering

The Department in association with the ISA VMEC Student Charter organized a Guest lecture on the 'Neural Networks and Fuzzy Logic' on 21st July 2017 by Dr.A.Rathinam Assistant Professor (Selection Grade), Dept of EEE, SRM University, Chennai.

The Dept in association with the Entrepreneurship Development Institute of India, Ahmedabad and National Science & Technology Entrepreneurship Development Board, DST, Govt. of India conducted a three day Entrepreneurship Program 17th to 19th July 2017.



Entrepreneurship Program

The Dept in association with ISA VMEC Student Charter organized a Seminar on the 'DCS for the Process Automation and Control' on 5th September 2017 by Mr.G.Ramesh, Automation Engineer, Excel Automation solutions Ltd, Chennai.

National Level Technical Symposium



The Department of Electronics and Instrumentation engineering in association with ISA VMEC Students Charter organized the 7th National Level Technical Symposium ORKESTRIM'17 on 23rd September 2017 focusing on the theme “Internet of Automated Intelligence” . About 224 Students from various reputed colleges of India and 24 students from Valliammai Engineering College participated. They presented 14 papers on the latest technology inventions and the promising seeds for the future electronics. The Welcome Address was delivered by the student Vice President, Mr. M. Pranav, and the highlights of the symposium by the student President Ms.C.Divya Bharathi. The Felicitation Address was delivered by Dr.B.Chidhambararajan, Principal.

The Inaugural address was delivered by the Chief Guest Mr.Raghunath Ethirajan, M.E., M.I.E., Engineering Manager Instrumentation & Telecom, Larsen and Toubro Limited, Chennai. He motivated the students on the recent trends in the Automation Technology and released the souvenir. Dr.S.Visalakshi, the Head of the Dept delivered her address. Mr.R.Rathna Kumar, the student Secretary, proposed a vote of thanks.

The Final year U.G students (Section-1) of the Dept of EIE visited the following companies on 14th & 15th July 2017.

(i) Kondaas Automation Pvt Ltd., (ii) Transformers and Electricals Kerala Limited (iii) Traco Cable Company Limited Kerala, and (iv) G.D Naidu Museum, Coimbatore.



Industrial Visit to Transformers and Electricals Kerala Ltd., Kerala

Mr. D.Srinivasan & Dr. S. Visalakshi, Prof. and Head published a paper on the 'Power loss minimization in radial Distribution network considering the different load levels via AGPSO Part I: Using high penetrated DGs and reconfiguration' in the Journal of Electrical Engineering (Romania), Vol. 17 /Sep-2017 - Edition : 3/39, Pages 1 -10.

Dr. Andy Srinivasan Professor delivered a Guest Lecture on the 'Recent Trends in Electrical Measurements' held on 13th September 2017 at Adhiparasakthi College of Engineering, Kalavai, Vellore District.

Mr. Lakshmikhandan K, Dr.Andy Srinivasan & Mr.Mohd. Ali Jagabar Sathik published a paper on the 'Single DC Source-Based Multilevel Converter Topology with Reduced Power Switches and Conduction Losses' in the Journal of Electrical Engineering, 1(17), Sep. 2017, pp. 15-25.

Mr. S.Sailesh of III year is the II Runner-up of the Kaizen Robotics Program held at IIT Madras Research Park on 2nd April 2017.

Mr. S.Sailesh and Mr. R. Rathna Kumar of III year participated and won 3rd prize in the Line Follower event held on 30th August 2017 at Meenakshi Sundararajan Engineering College, Chennai.

Mr. S.Sailesh, Mr. K.Naresh and Mr. R.Rathna Kumar of III year participated and won 3rd prize in the Robotics event held on 2nd August 2017 at Sai Ram Engineering College, Chennai.

S.Selvapparathi, G.Umapathy, S.Rajeevan, A.R.Pradeep, P.Ramakrishnan, D.Prithiunan, S. Nithish Vathul, D.Rahul Raj, K.Naresh and B.Ramcharan of III year participated in INSTRUBLITZ 2K17- Easwari Engineering College held on 12th September 2017.

Department of Information Technology



'Mini Project Expo 2017'

A one day 'Mini Project Expo 2017' was organized on 22.09.17 and the Chief Guests were Mr.J.Abishek, Mr.N.Nihal, Mr.N.Sabarish and Ms.P.Vishali, employees of TCS, Chennai and the Alumni of Dept of IT, VEC.

A three day Entrepreneurship Awareness Camp sponsored by the 'Entrepreneurship Development Institute of India (EDI), Ahmedabad' was organized from 05.09.17 to 07.09.17.



Entrepreneurship Awareness Camp sponsored by Entrepreneurship Development Institute of India

A seminar on the 'R-Language for Strategic Analysis' was organized on 29.08.17 and the Resource Person was Mr.D.Manikandan, Consultant, CTS, Chennai.

The following Industrial Visits were organized.

- i. A one day Industrial Visit to 'Pantech ProEd Pvt Ltd., Chennai' on 11.08.17 for the III year IT-1 students.
- ii A one day Industrial Visit to 'LV Prasad Academy, Chennai' on 10.08.17 for the III year IT-2 students.

A one day Workshop on the 'Recent Trends in Database Technology' was organized on 18.07.17 and the Resource Person was Mr.Vaithilingam Thirumalaikani, Lead Technical Architect, IBS Software Services, Trivendrum.

Ms.R.Saranya, A.P and Ms.S.Sandhya, A.P, participated in a two day workshop on the 'eLab Python Programming' conducted on 26.09.2017 and 27.09.2017, by SRM University Learning Centre, SRM University, Kattankulathur, Chennai.

TNSCST - Students Project Scheme 2016-17



Ms.G.Amruth and Ms.A.Maragatham under the guidance of Dr. A. R. Revathi (AP/IT) presented a project titled 'Palliative Care Surveillance Using IoT', won the First place in the 'State Level Student Projects 2016-2017 Seminar Cum Exhibition' held on 6th August 2017 at Government College of Technology, Coimbatore. Congratulations!

National Level Technical Symposium



A one day National Level Technical Symposium 'XploITs2K17 & Colosium'17' was organized with the Dept of MCA on 22.07.17 and the Chief Guest was Mr.Arul Thirumalairayan, Director, NTT Data Services, NTT Data Corporation, Chennai.

Ms.S.Shenbagavadivu, A.P and Ms.R.Saranya, A.P, participated in a two day workshop on the 'Python Lab' conducted on 18th and 19th August 2017, by the Dept of Information Technology, JEPPIAAR SRR Engineering College, Chennai.

Ms. G. Amruth, Ms. A. Maragatham, J.Caroline Natasha and B.Lavanya of Final Year IT-1, presented a project on 'Palliative Care Surveillance Using IoT' under the guidance of Dr. A. R. Revathi, and was awarded the First place in the State Level student projects 2016-2017 Seminar Cum Exhibition organized by the Government College of Technology, Coimbatore.

Ms. S.Srinidhi of Final Year IT-2 won first prize in the 'Isaith Thamizh' an Inter College competition 'Kanavae Vanthen 2017' conducted on 5th August 2017, by the Parivendar Students' Tamil Association.

Ms. S.Shalini of III Year IT-2 won third prize in the 'Valakadu Mandram' an inter college competition 'Kanavae Vanthen 2017' conducted on 5th August 2017, by Parivendar Students' Tamil Association.

V.Kiruba of Third Year IT1 published an Article on 'Green India-Air Pollution Monitoring and Control Using IOE' in the CSI Communication July 2017 Issue [Vol. 41, Issue 4] along with the Staff Ms.S.Shenbagavadivu, A.P.

25 students from II year, III year and IV Year, participated in a one day workshop on topics like 'Android Application Development, IOT and Ethical Hacking, IOT using Raspberry PI and Artificial Intelligence in IOT' conducted by various colleges.

Banuprakash.R, II year, Kiruba.V, II year, Ramprasad.M, II year, Shalini.S, III Year, Srinithi.S, IV Year and Vignesh.M, IV Year participated in the 'Valakadu Mandram' an inter college competition 'Kanavae Vanthen 2017' conducted on 05.08.2017, by the Parivendar Students' Tamil Association.

Akilesh.D, II year, Banuprakash.R, II year, Dhananjeyan.I, II year, Balasubthamanian.C.V, III Year, Kamesh.S, III Year, Manikantan.R, III Year, Naveenkumar.V, III Year, RaaghulKoushik.S, IV Year, Raghav.S, IV Year, and Sivaraj.N IV Year participated in the 'Essay Writing Competition (Tamil)' conducted on 01.09.2017 by Bhagwan Mahaveer Foundation, Purasaiwakkam.

Our New Website: srmvalliammai.ac.in

Department of Mechanical Engineering



Inaugural Speech by Mr.HariBaskaran Mentor-MSME Consultant- Business Analyst

A three day 'Entrepreneurship Awareness Camp' was conducted from 20.07.2017 to 22.07.2017 for the Mechanical Engineering students and 107 students registered for the course. The outcome of the camp was to make the participants aware of the entrepreneurship policies, scope, resources, government funding and make them efficient in business communication, skill development and to enable them to start their career as entrepreneurs. The first session of the program on day 1 was handled by Mr.Hari Baskaran, Mentor- MSME consultant- Business Analyst, who inaugurated the program and gave an introduction about the entrepreneurship.

The next session was followed by Mr.Chandramouli, Consultant- Marketing, Financial and wealth, who presented a slide show on Developing Business concepts to become a successful entrepreneur.



Mr.Chandramouli, Consultant- Marketing, Financial and Wealth lecture on Developing Business Concepts

The afternoon session was handled by Mr.S.Pandian, Proprietor, M/S Kadir Sudhir Automation Solution Pvt. Ltd., who gave a presentation on 'Taste the success' in which he talked about thinking out of the box to find creative solutions to problems and achieve success.



Mr.S. Pandian, Proprietor, M/S KadirSudhir Automation Solution Pvt. Ltd. Lecture on 'Taste the Success'

On day 2, the morning session was handled by Mr.Hari Baskaran, Mentor - MSME Consultant- Business Analyst and covered the topic on 'Structuring the organisation for

government and society'. He added up points on the reality of entrepreneurship and the adventure in entrepreneurship. In the afternoon session, the participants along with three Faculty members went on an industrial visit to Ms.Abhijeet Arihant Auto Plast Pvt. Ltd.



Industrial visit to 'Ms.Abhijeet Arihant Auto Plast Pvt. Ltd'

On day 3, the sessions were handled by Prof.N.Lakshmana Perumal, Head of the Department of English & FYCC, Ms.Sheeba Manodh, Assistant Professor, Department of English, Dr.J. Padmini, Prof. and Head, MBA and Ms.A.Uma Devi, Assistant Professor, MBA. The sessions made the participants to focus on the global business, identifying the problems in communication and reaching profitability and efficiency, skills required for a good entrepreneur, non-verbal cues, barriers of communication, creativity processes and outcomes so that they can positively contribute to the results of their organization.



Guest Lecture on the 'Industrial Applications of Fluid Mechanics'

A Guest Lecture on the 'Industrial Applications of Fluid Mechanics' was conducted to the Second Year Students on 26.07.2017. The lecture was delivered by Mr.S.Karthikeyan, Senior Manager, Ashok Leyland Technical Center, Chennai. The Chief Guest covered the following topics: Reynolds Number, Nusselt Number, Fuel flow in IC engines, Advances in IC engines, IC engines terminology, Normal fuel combustion and abnormal fuel combustion, Emission Standards, Internal flows, Difference between petrol and diesel engines, Nano fluids and fluid structure interaction. Recent trends in computational fluid dynamics were also covered.

Third year Section- 1 students went on an industrial visit to Ashok Leyland, Ennore on 27th July, 2017. The main objective of the visit was to make students aware of how various activities related to the manufacturing activities are carried out in a company and give them the feel of production activities. First, the students were taken to the engine assembly section where they explained about Hino Engine, Combining high-pressure Common Rail Fuel Injection, Variable Geometry Turbocharger design and cooled EGR for emission control to optimize the air/fuel mixture across the entire speed range of our engines.



An Industrial visit to Ashok Leyland, Ennore

The Second Year, Section 1 students went on an industrial visit to K Tech Agro Pvt. Ltd., Thirumullaivoyal, Chennai on 04.08.2017. A group of 70 students accompanied by two Faculty members. The students were taken to the various sections of the firm such as Manufacturing section, Quality Inspection section and the Assembly section in which the components for the pumps and motors are manufactured, assembled and inspected for quality checks.



An industrial visit to K Tech Agro Pvt. Ltd., Thirumullaivoyal

A Guest Lecture on the 'Heat and Mass Transfer' was conducted for the third year students on 30.08.2017. Mr. Arun Prabhu, Manager - CME, Mahindra and Mahindra, Chennai was the Resource Person. The Chief Guest started the presentation and covered the following topics. Heat transfer, Modes of Heat transfer, Fins, Thermal and solar radiation, enhancement of heat transfer, environmental heat transfer, thermal insulations, Heat transfer in buildings, Heat exchangers, Heat transfer in electronic and lighting equipments, cooling of electronic equipments, Applications of fins, blades and porous media in enhancement of heat transfer.



Guest Lecture on the 'Heat and Mass Transfer'

A Guest Lecture on the 'Emerging Trends in Power Plant Engineering' was arranged on 22.09.2017 for the final year Mechanical Engineering students. Mr.C.Srinivasan. B.E., Deputy General Manager-Mechanical, NLCIL, Neyveli was the Resource Person. The Chief Guest delivered a lecture on the following topics: basics of power plants, types, site

selection, fuel and combustion, binary vapour power cycles, methods to improve the efficiency of cycles, Mean temperature differences, biomass gasification technology, microbial fuel cell technology, load curves, high, low and medium sized power plants, power plant grid, plant management systems, performance indicators.



Guest Lecture on 'Emerging Trends in Power Plant Engineering'

An industrial visit was arranged to 'Madras Engineering Industries Pvt. Ltd' on 25.09.2017 for the Final year Section I students. The various units in the industry like warehouse, furnace section, core section, moulding unit, moulding sand section and fettling section were explained.



Industrial Visit to 'Madras Engineering Industries Pvt. Ltd'

A three day workshop on the 'Automotive and Engine Dynamics' was conducted for the student members of the Society of Automotive Engineers from 25.08.2017 to 27.08.2017. The workshop was registered by 41 members. The lecture was delivered by Mr. Vivek and Mr. Prasanth from Oversquare Automotive, Pune. On day 1, they covered the following topics: Introduction to motor power cars, hybrid cars, generalized concepts of cars like rally, endurance cars, formula-1 and formula-E cars, building race cars from trigonometry to race tracks testing. concept development, designing a modular power train concept, techno-commercial business plan development, real life scenario, entrepreneurship and engineering skills, team management and presentation skills, modular chassis. On Day 2, the topics



Workshop on the 'Automotive and Engine Dynamics'

such as : automotive engines, engine parameters, size, reliability, emissions, cost, responsiveness. IC engine terminology, petrol and diesel engine, HCCI - homogeneous charge combustion ignition, components of engine, engine overhaul, reboring the sleeve, system perspectives of automobile engine. transmission systems, use cases, conventional transmission, tractive limits, gear ratio, Clutches- classification and functionality, torque converters, video presentation of engines and their systems were shown during the presentation. On day 3, they explained the following topics: introduction of mission engine analysis in which the basics of assembly and disassembly of engines were discussed.

Department of Computer Applications

A one day Expert Lecture on 'Virtual Class Rooms Using DIGIMAT Digital Learning Platform' was organized by the Dept of Computer Applications in association with VEC-CSI Students Chapter, ICT Academy of Tamilnadu (ICTACT)



Expert Lecture on 'Virtual Class Rooms Using DIGIMAT Digital Learning Platform'

Alumni Meet: SHIMMER 2017



A Pre-Graduation Day Alumni Meet was held on 2nd September 2017. The Principal Dr. B. Chidambararajan, and the Vice- Principal Dr. M. Murugan, and the Heads of various Departments were present for the Meet. The Principal addressed the gathering and offered the Dias to the alumni to share their industry experience. The Alumni were happy to share their corporate experience and also said that the college gave them the needed grooming to perform well on job. It was a pleasant surprise to know that an alumnus has turned into an entrepreneur & he shared his experience. It was an opportunity for them to catch up with batch mates, recapture the time they spent in college. Finally, they there was a cultural program to entertain them by the current students followed by photo session.

and National Cyber Security and Safety Standards on 19th July 2017. Mr. S. Baskar, Chief Executive Officer, LinuXpert Systems, Chennai was the Chief Guest.

The Chief Guest explained the next generation of digital learning platforms. He identified the impact on how students learn and teachers teach in the upcoming generation. He showed 5 digital learning platforms to personalize instructions based on the learning principles and preserve memory in students using analytics and study behavior.

A one day Expert Lecture on the 'Web Services and its Applications' was organized by the Dept of Computer Applications in association with VEC-CSI Students Chapter, ICT Academy of Tamilnadu (ICTACT) and National Cyber Security and Safety Standards on 29th August 2017. The Chief Guest of the function was Mr. S. Gavaskar, Manager, Bank Bazaar.com, Chennai.



On the inauguration of the Expert Lecture on the 'Web Services and its Applications'

The Chief Guest explained the fundamentals of the Web services. He identified the components of Web services and their needs to develop Service Oriented Applications and Enterprise Applications. He showed the sample Web services applications which were developed under various platforms and runtime environments. He also explained the importance of the web applications and their real time usage.



Expert Lecture on the 'Web Services and its Applications'

Dr. A. Abdul Rasheed, Professor and Head, attended a seminar on 'Empowering Indian Education Ecosystem Through Digitalization' on 9th September 2017 at The Leela Palace, Chennai. The programme was organized by Blackboard Inc., USA - an Educational Technology Company. Mr.M.Balasubramaniam, Director Blackboard India welcomed the gathering and introduced the product and the market demand for the learning management system. Dr. S. Ganesan, Registrar, Anna University, Chennai delivered his felicitation address.

Mr. S. Surya Narayanan and Ms. G. Barkavi III year MCA Students won II prize in the Paper presentation in the Symposium CYBORG-2017 organized and conducted by the Dept of Computer Science and Engineering in Valliammai Engineering College on 12.08.2017.

Virtual BAJA



A two day 'Virtual BAJA' event was conducted at Chitkara University, Punjab on 14.07.2017 and 15.07.2017. Twenty Five students from II, III, IV year participated in this event. Our team won 90th position out of 400 colleges across the Asian Continent.

Department of Master of Business Administration

Staff Development Program for the Non-Teaching Staff members on 'Work Motivation' was conducted by the Dept. of Management Studies on 30.06.2017. Around 22 Staff from different Depts. of the College participated and got benefited out of it.

An industrial visit to the United Breweries Ltd, Chennai was arranged for the Second Year MBA Students on 09.08.2017. The students had an opportunity to understand the business processes and the manufacturing operations carried out.



An industrial visit to the United Breweries Ltd, Chennai

A Guest Lecture on the 'Management: A Perspective' was held on 29.08.2017. Dr.P.Janakiraman. (Ex. Think-Tank, TNEB) addressed the students on the various management concepts and shared with the students his rich experience on the corporate policy making and implementation.

Department of Physics

Dr.K.Thiruppathi and Dr.H.Krishnan presented a paper on the 'Performance of magnetic spherical nano particle dispersed magnetorheological fluids for low yield stress applications' in the 4th International Conference on Nano Science and Technology during August 9 - 11, 2017 organized by the Dept., of Physics and Nano Technology, SRM University, SRM Nagar.

Dr.M.Anbuezhayan presented a paper on the 'Hydrothermal synthesis of BiVO₄ Photocatalysts from different precursors and their catalytic performances under the visible light in the 4th International Conference on Nano

Science and Technology during August 9- 11, 2017 organized by the Dept of Physics and Nano Technology, SRM University, SRMNagar.

A Guest lecture was delivered by Dr .K. Jagannathan, Assistant Professor, Dept of Physics, SRM University, Chennai on the 'Recent Trends in Crystal Growth' on 13th September 2017.



Guest lecture 'Recent Trends in Crystal Growth'

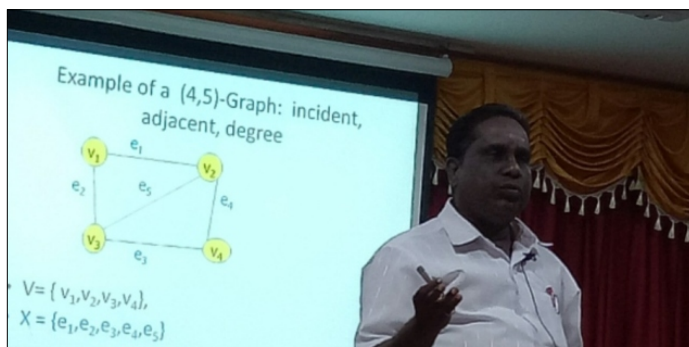
A Guest lecture was delivered by Dr .G. Vineetha, Assistant Professor, Dept of Physics, VIT University, Chennai on the 'Role of Polymers in Energy Conversion Devices' on 18th September 2017.

Ayutha Pooja Celebrations



Ayutha Pooja celebration was performed in the College on 29th September 2017.

Department of Mathematics



Guest Lecture on 'Graph Theory and its Applications'

The Mathematics Association 'EULER.COM' organized a Guest Lecture on 'Graph Theory and its Applications' on 10th August 2017. The seventh semester CSE I and CSE II students, attended the Guest Lecture. The lecture was delivered by Dr. K.Thirusangu, Professor, SIVET College, Chennai. The lecture was focussed on the application of Graph Theory, Eulerian Graph, Hamiltonian Graph, Connectivity, Planar,

Matching, Colorings and Isomorphism of Graphs and also the applications.

Dr.S.Chitra and Dr.T.Isaiyarasi authored a book titled 'MA8151-Engineering Mathematics I' for the first year I semester Anna University regulation 2017 with ISBN number 978-93-86590-21-3 August 2017.

Ms.V.Nagarani, Ms.C.V.Dhanya, Ms.K.P.Shiny Ketsial participated in the workshop on 'Differential and Integral Calculus' at Easwari Engineering College on 11.08.2017.

The Mathematics Association 'EULER.COM' organized a Guest Lecture on the 'Application of Differential and Integral Calculus' on 15th September 2017. The I semester students, attended the Guest Lecture. The lecture was delivered by Dr. V. Parthiban, Assistant Professor, School of Advanced Sciences, Dept of Mathematics, VIT University, Chennai. The lecture covered the origin of calculus, the softwares like MATLAB, Maple, Mathematica, Sage, wolframalpha, cloud.sagemath, cloud.sci.lab, overleaf, Geogebra connected to Mathematics.

Dr.S.Chitra delivered an invited talk on the 'Applications and Significance of Transforms and Partial Differential Equations' in a one day seminar conducted by the Dept of Information Technology at Jerusalem College of Engineering, Chennai on 18th September 2017.

Fine Arts Club

The Fine Arts Club organized an event 'ADAPT TUNE' for the 2nd, 3rd and final year students. Around 40 students from different branches participated in the event. The event was conducted by. Ms.V.Jayanthi/ A.P English Dept along with the student representatives Mr. Sakthipriyan - CSE, Ms. Jayashri - ECE.

Our students performed a dance event on the occasion of Vendhar's Birthday on 24th August 2017.

Department of Chemistry

In the National Conference on 'Advances in Functional Materials' organized at St. Joseph's College of Engineering, Chennai held on 5th August 2017, the Staff noted below presented papers.

Dr. L. Devaraj Stephen presented a paper on 'Photo reduction of $\text{Co(III)(pn)2Cl (L)2+}$ on aqueous TiO_2 suspensions under visible-light in binary solvent mixtures'.

Dr. N. Jayaprakash, a paper on 'Synthesis, characterization and antibacterial activity of silver nanorods using silver acetate as precursor'.

Dr. S. G. Gunasekaran, a paper on 'Siloxane core dianhydride skeletal multi-walled carbon nanotube reinforced porous polyimide nanocomposites'.

Ms. M. Meera, a paper on the 'Removal of heavy metal ion from aqueous solution by activated carbon prepared from puvarasu leaves'.

Dr. M. Soundararajan, a paper on the 'Sources and effects of toxic metals from water'.

Dr. J. Krishnamurthi presented a paper on the 'Catalytic enantioselective intermolecular cycloaddition of diazoketoester with allenes using chiral dirhodium (II) carboxylate' in the International Conference on 'Crystal Ball Vision on Science and Engineering for Societal Upliftment', held on 7th August 2017 organized by CSIR-National Institute of Oceanography Goa, India.

In the 4th International Conference on Nanoscience and Nanotechnology (ICONN 2017) organized at SRM University during 9-11 August 2017, the Staff noted below presented papers.



International Conference on Nanoscience and Nanotechnology (ICONN 2017)

Dr. L. Devaraj Stephen, a paper on 'Photoinduced activation of Co(III)(tn)₂Cl (L)₂+ on aqueous TiO₂ suspensions under visible-light illumination in binary solvent mixtures'.

Dr. M. Soundarrajan, a paper on 'Adsorption, kinetics and removal of chromium from its aqueous solution by vermiculite chitosan composites'.

Dr. S. G. Gunasekaran, a paper on 'Cyanate ester co-cured maleimido terminal pyrenyl pyridine core skeletal modified benzoxazine/polymer (PBZ/CE) hybrid blends'.

The Department of Chemistry organized a Guest Lecture on 'Spectroscopy' on 24th August 2017. Dr.R.Anandhan, Assistant Professor, Dept. of Organic Chemistry, University of Madras, Chennai delivered the lecture.

Dr. L. Devaraj Stephen acted as a Judge for the district level Science Exhibition organized by the School Education department, Government of Tamilnadu, held at Government Girls Higher Secondary School, Nandivaram-Guduvancherri, on 31st August 2017.

The Department of Chemistry organized a Guest Lecture on the 'Functional Materials' on 12th September 2017. Dr.A.Shajahan, Associate Professor, Department of Chemistry, BS Abdur Rahman Crescent University, Vandalur, Chennai delivered the lecture.

Student Affairs Cell



The Student Affairs Cell of Valliammai Engineering College organized an Expert lecture on Career Opportunities in Civil services on 13.09.17. Mr.V.Prakash, Joint Coordinator, Jeevan Jyothi Institute of Administrative Services delivered a lecture on career opportunities in civil services for the engineering students. He briefly explained the eligibility criteria and how to prepare for the examinations effectively.

NPTEL

A total of 226 including 107 Staff members & 119 students registered for NPTEL Online Examination for the month of July-September 2017. Similarly, 85 Staff members and 75 students registered for the month of July October 2017.

Our College received the Award for being an active NPTEL Local Chapter during the period January-June 2017, rated 'AA' and one of the top 100 Local Chapters across India. The above award was received on 15th July 2017 at IIT Madras, Chennai.

Dr. M. Anbuezhayan received the Appreciation Award for SPOC in the NPTEL Local Chapter during the period January June 2017.

Department of English

A workshop on 'Digital Writing Skills' was conducted for the third year students on 14.07.2017. The Guest Speaker was Mr.R.Shakthi Prasad, Asst Prof, Management Studies, SRM University.

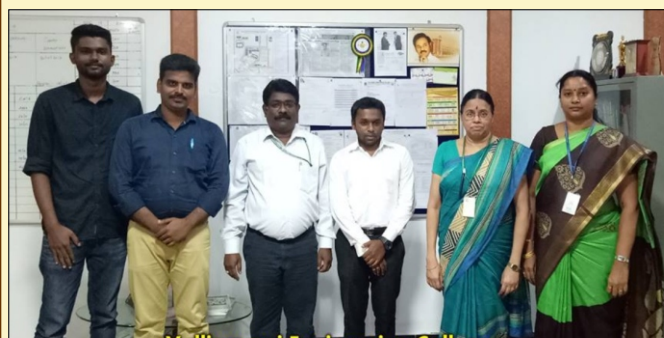


Workshop on 'Digital Writing Skills'

The first session of the oratorical competition under the auspices of 'Burke Club' was held on 19th September 2017.

A workshop on 'English as a Lingua Franca in a Heterogeneous Classroom' for the I year students was conducted on 27.09.2017. Dr. D. Bellarmen, Associate Professor, Raja Sarfoji Government College, Thanjavur was the Resource Person for the workshop.

VEC Alumni Association



VEC Alumni Association conducted Office Bearers selection meeting on 18.8.2018 during the Academic Year 2017-18. Mr.Yashwin Vignesh (EIE - 2011 passed out), Mr.Siva Shankar (CSE - 2015 passed out) & Mr.Mohammed Mubeen (MBA - 2014 passed out) were participated.

Entrepreneurship Development Cell

The Dept. of Management Studies in association with the Entrepreneurship Development Cell conducted 'Learnwise App Course - S100' on 20.07.2017. The course has been designed by the National Entrepreneurship Network & Entrepreneurship Development Institute of India to expose students to the entrepreneurial career. 52 Students from different Depts. of the College participated and got benefitted.

The Dept. of Management Studies, Valliammai Engineering College in association with the Entrepreneurship Development Institute of India, Ahmadabad conducted a 3 day, 'Entrepreneurship Awareness Camp' on 1st, 2nd & 3rd August 2017.

Dr. Thomas Christopher De Almeida, Consultant Logistics Management inaugurated the camp and addressed the students on the camp objectives and the importance of entrepreneurial aspects among the students in today's context. Mr. C.C.Selin Reubalin, Director, Lins Business Solutions Pvt Ltd spoke on the 'Identification of Business Opportunities, Mechanisms of Product Selection and Technology Assistance for the R&D Laboratories and other institutions.'



Mr.V.Ramakrishnan, M.E, M.B.A, M.I.E., the Deputy Director, Ministry of MSME, Govt. of India addressed the Students on the Technical and Commercial aspects of starting a Small Scale Industry. In the afternoon session, as part of the camp, the students were taken for an industrial visit to the Modern Bakers (Madras) Pvt. Ltd, Madhavaram and to ATV Precision Components Pvt. Ltd, Maraimalai Nagar.

Dr Sarprasatha Joe, Assistant Director, MCC Boyd Business School, Madras Christian College addressed the Students. In his address Dr. Joe explained the financial

aspects of an SSI and the various schemes and support offered by various financial institutions and the Govt. of India for the young aspiring and existing entrepreneurs. In the afternoon session, Mrs.M.Chitra, Asst. Professor, Dept. of English, Valliammai Engineering College, addressed the students on Communication Skills for better results. Mrs.J.Monica Paul, Head - Placement, Valliammai Engineering College addressed the students on 'Creativity and Business - Man behind the Venture - Behavioural Scientist Approach'.

The Dept. of Management Studies and the Entrepreneurship Cell organized a two day Skills Training Program for the students on the 'Digital Marketing and Web Designing' on 29.08.17 & 31.08.17. 27 Students from different depts. of the college participated and got benefitted.

The Dept. of Management Studies and E-Cell Student Leaders organized 'Bazaar 2017' on 27.09.2017 & 28.09.2017. Students from different Depts. of the College registered and 16 Stalls were opened with a variety of merchandise for sale including Food items, Fresh Juices, Chat, Savories, Garments, Handicraft Jewelry and Virtual Games.

First Year MBA Student Mr. D. Karthik Kumar participated in the 'E-Cell Leader Workshop' organized by the Programme Monitoring Office Innovation & the Entrepreneurship Development Programme (PMO IEDP) at Anna University, Chennai on 8th and 9th September 2017.

Youth Red Cross

On 16.09.17 FN, Saturday, an Orientation Camp on YRC for the First year students was conducted and in the AN session an essay writing event was conducted on Agriculture, River Linking, Educational Requirements and Social Media.

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. S. Shyamala, Asst. Prof. (O.G), Dept. of English
Layout & Design : **Mr. T. Elavarasu**, Placement Executive

Department of Placement and Career Guidance

Accenture conducted 'Accenture Innovation Challenge' on 31st August 2017 at college. 6 toppers from each section from 1st to 4th year participated in the event. The students were motivated by the Accenture Team and prepared them to compete the present industrial environment. The students were given various tasks and the winners grabbed the prizes. The III Year students Megavarshitha.PV (EIE), Sathish Kumar.S (Mechanical) & Hareeni Shree.R.T (CSE) were nominated as Student Representatives.



'Accenture Innovation Challenge'

The Department of Placement & Career Guidance conducted a Guest Lecture on the Aptitude Shortcuts by Mr.Karthik on 13th July 2017 for the final year students.

The Dept of Placement & Career Guidance conducted a training program for 679 final year students to sharpen their skills and to enable them to know about the shortcut methods. The training was conducted from 12.08.17 to 15.08.17.

The Dept of Placement & Career Guidance conducted a Workshop on 'Communication Made Easy' by Mrs. Rebecka on 12th September 2017.

Maverick Systems visited our College for recruitment on 19th July 2017 and four students got selected.

Off Campus Drive was conducted for the final year students by Johnson Control on 24th and 25th July 2017.

Accenture visited our College for recruitment on 7th September 2017 and 148 students from Mech, MCA, IT, EIE, EEE, ECE, CSE and Civil Depts got selected.



Students participation in an event of 'Scholastic Ingenium'

NewGen visited our College for recruitment on 23rd September 2017 for MCA, CSE and IT Dept final year students.

The Placement Club 'Scholastic Ingenium' organized the following Programs.

1. 'Spin-a-yarn' and 'Clue into Win' on 13th July 2017.
2. 'HI-5' and 'Lawyers Up' on 26th July 2017.

3. 'Pic-Talk' and 'Raise your Slogan' on 9th Aug. 2017.
4. 'Poster Making' and 'Debate' on 5th September 2017.
5. 'Dumb Charades' and 'Melange' on 26th Sept. 2017.
6. 'JAM (Just a Minute)' and 'Doodling' on 4th Oct. 2017.

SPORTS



VEC Basketball Team won first place (4th Consecutive Winner) in Anna University Zone IV Tournament - 2017-18

In the Anna University Badminton for men conducted at Sri Sairam Engineering College on 19th September and 20th September 2017, our VEC Team won the third place. The following students were the players.

1. M.Vignesh, II Mech, 2. T.Elavarasan, II Mech, 3.M.Sheik Razeeq, II EIE, 4. R.A.Akhilan II Civil, 5.T.Manikandan, III Mech and 6. A.Santhosh III IT.

In the Anna University Zonal BasketBall match for men held at PERI Institution on 30th August and 31st August 2017, our VEC Team was the Winner. The students noted below were the players.

1. D.Elaiyabharathi, II CSE, 2. R.Suresh Kumar, II EEE, 3. B.A.Anto Benilin, II Mech, 4. B.Hariharan, III EEE,



VEC Handball Team won Runners-up in Anna University Zone IV Tournament during the Academic Year 2017-18

- 5.V.Kurunchivendhan (Captain), III IT, 6. R.Yogeshwaran, III Mech, 7. S.Ganesh Raj, III Mech, 8. K. Praveen Kumar, III EIE and 9. P.Prasath, III IT.

In the Anna University Handball match organized by the MIT Chromepet on 18-19th August 2017, our VEC Team was the runner up. The students mentioned below were the players.

1. V.Dhinakaran (Captain), II EEE, 2. G.Elavendhan, II Mech, 3. D.Anish Surya, II CSE, 4. N.Dharani, II Mech, 5.R.Abilash, II Mech, 6. M.Muthu, II Mech, 7. M.Naveen, III Mech, 8. A.Vishnu Kannan, III Civil, 9. R.Yogeshwaran, III Mech (Best Forward Player), 10. G.Subash, III Civil, 11.G.Abinash, IV Mech and 12. T.Dinesh Kumar, IV Mech.

National Service Scheme

In order to protect the nature from the current environmental crisis and to increase the floral wealth of the Nation, seed ball making program was organized by the NSS unit of Valliammai Engineering College. A set of 52 active volunteers were involved in the making of seed balls. After 4 hours of determined work, 5,949 seed balls were made and then dried and preserved.

As per the directions from the Kancheepuram Collectorate (Lr. No.53/2017/E Dated 12.07.2017), Mr. S. Parthasarathy was nominated as Nodal Officer, D.Prasanth, III Mech-2 and R.Gopalakrishnan, III Mech-1 as the College Ambassadors conducted a new voter ID Special Camp from 21-07-2017 to 29-07-2017.



Seed Ball Planting

Stage 1 : Distribution of Form 6 to the Applicants.

Stage 2 : Collection of filled forms from the Applicants.

Stage 3 : Data were entered in the Election Commission Web-Portal.

Stage 4 : Consolidated reports with the EPIC numbers were sent to the Collectorate, Kancheepuram. Totally about 45 electoral were enrolled successfully.

Mahatma Gandhi had cleanliness and sanitation closest to his heart and for him cleanliness was next to Godliness. It will be a great tribute to Gandhiji on his 150th Birth Anniversary if the youth led movement for freedom from filthiness is accelerated across India. Ministry of Youth Affairs and Sports, Govt. of India called upon all the youth organizations to observe the Swachhta fortnight from 1st to 15th August, 2017 in a befitting manner.

On October 2nd 2017 Swachh Bharat Mission to be launched which would be a massive mass movement that seeks to create a clean India. A Clean India is the best tribute we can pay to Gandhi Ji when we celebrate his 150th birth anniversary in 2019. Gandhiji sacrificed his life so that India attains 'Swarajya'.

On August 1st, the NSS unit of VEC set out with a broom and contributed towards this noble task. As a part of the



'Swachhta' (cleanliness) of our motherland

fortnight programme, National youth volunteers of VEC. Mr.Sivakalaiselvan, Block Development Officer allocated Women Health Complex and Community Hall, Urapakkam, Kattankulathur Panchayat Union, Kanchipuram District, Tamilnadu. To whitewash the two buildings situated in and around the four acre land and to clean the surrounding areas under the 'Swachh Bharath Swachhta Fortnight Programme'.

Every new academic year, an Orientation Programme is conducted by the Anna University for realizing the benefit of service. This year also a one day Orientation Programme was arranged on 19.08.17 from 9 am to 5 pm at TAG Auditorium, Anna University. The NSS officer Mr.S.Parthasarathy, Valliammai Engineering College attended this orientation programme with two volunteers.

For the Graduation day in Valliammai Engineering College was organized on 2nd September 2017. The NSS team of VEC welcomed the Graduands. The Volunteers assisted the Graduands to register and to accommodate their seats in the auditorium.

Teachers' Day was celebrated in a grand manner. The Principal, Vice-Principal, HODs, Faculties and the Students paid a floral tribute to the great renowned teacher, philosopher and statesman Dr. Sarvapalli Radhakrishnan. V.Ramesh Aravind, II - EIE delivered a speech about the sacrifices and dedication of teachers.



Teachers' Day Celebrations at VEC

The Engineers' Day was celebrated to appreciate the contributions of Bharat Ratna Mokshagundam Visvesvaraya who was born on September 15. India has marked September 15 as the National Engineers' Day.



Engineers' Day Celebrations at VEC

Under the guidance of the Deputy Commissioner Mr.Muthusamy (South Chennai) forwarded to the Assistant Commissioner of Police Mr. Vimalan (Pallavaram circle) and with the Leadership of the Programme Officer, seed Ball Planting Programme was organized on 22.09.2017. A group of 36 Volunteers was made to render its services for planting the seeds which were prepared with the manure as a ball. A total amount of 6000 balls fitted up with seeds were planted with the distance of 5ft between each other.

NSS Training Programme



NSS Programme Officer Mr.S.Parthasarathy, the Volunteers Mr.D.Prashant and Ms.S.Nandini has participated the 'One Day Training Programme for NSS Programme Officers & NSS Volunteers' on 19th August 2017 conducted by NSS, Anna University during the Academic Year 2017 - 18.

Swachh Bharat Pakhwada under the scheme of Swachh Bharat Abhiyan which was camped at Mamallapuram by our NSS volunteers on 23.09.17, on the request of the Archaeological Department Shri C.Baranidharan, Senior Conservation Assistant, Archaeological Department. Our NSS volunteers were made to clean up the ancient monument area in Mamallapuram.

The programme was organized by the Sports Authority of India at Besant Nagar. Various schools and college students attended and made a mass cleaning on the seashore. The Cleaning Campaign created an impact on the onlookers. Two of our college students (Ramesh Aravind.V, II EIE & Sheikh Razeeq.M, II EIE) and the Programme Officer participated in the event.



Ms.Lalitha Priya, III Year EIE won 1st Place in Tamil Essay Competition organised by Tamil Development Department, Government of Tamil Nadu on 15.9.2017. A cash award Rs.10,000/- awarded by the Kanchipuram District Collector Thiru.P.Ponnaiah, IAS.

award of Rs.3000/- in the Tamil Essay Competition organized by the Ramalingar Pani Mandram on 29.07.17.



Tamil Mandram

Mr.J.Lokesh, Dept of Civil participated in the speech competition conducted by the Rajeshwari Veadhachalam Arts and Science College and Tamil Varpukkalam on 15.07.17.

Paarivendar students' Tamil Association, a division of SRM University-Tamil Academy celebrated the 115th Kamarajar's birthday. The function was presided by our Principal Dr.B.Chidhambararajan and felicitated by our Vice Principal Dr.M.Murugan and Mugavai Rajapandiyan, Registrar of Central Institute of Classical Tamil Research was the Chief Guest of the function. Educational instruments and books were distributed to 115 students of Govt.Higher .Sec.School,Maramalai Nagar.



J.Lokesh, Dept of Civil participated in the elocution competition conducted by the SriRam Literature Organization on 22.07.17.

Ms.K.Lalitha Priya, Dept of EIE Third year, won the second prize in the Chennai Zone and received a cash

The following Students of our College participated in various Tamil competitions conducted by Ramlingar Pani Mandram on 29.07.17.

- 1.J.Logesh -Dept of Civil -FinalYear -Poetry
- 2.R.Mathivathana -Dept of EEE -FinalYear -Speech
- 3.V.Vijayabharathi -Dept of EEE -FinalYear -Poetry
- 4.S.Shamini -Dept of IT -ThirdYear -Speech

Our College conducted an Inter-College Tamil Competition 'Kanavea Vanthean-2017' for the students of various colleges and for our college students on 05.08.17. The function was presided over by Dr.T.P.Ganesan, Director of VEC and Chairman of SRM Tamil Academy .The function was conducted under the guidance of our Principal Dr.B.Chidhambararajan and felicitated by our Vice Principal, Dr.M.Murugan and Dr.K.Nagarajan, Secretary of Tamil Perayam. Prof.K.Madhyazhagan, HOD/Dept.of Tamil, SRM Arts and Science College was the Chief Guest of this function. Dr.B.Vanathi, Professor & Head of the Dept of CSE welcomed the gathering. Mr.K.Shanmugam, Coordinator of Tamil Mandram briefed about the function. Vote of thanks was proposed by V.Sathya, III year, Dept. of ECE. About 32 students from other Colleges and 36 students from our College participated in this event. Ms.S.Shanthi AP/CSE of our College acted as the judge for the event 'Isai Tamil'. Winners of various events were awarded with prizes.

Every Thursday different Tamil activities such as Speech Competitions, Poetry Competitions, and Debate Competitions are conducted by our College Paarivendar Students' Tamil Association for developing the Tamil language skills to the students. Totally, 7 events were conducted in this semester. Our College Vice Principal



Dr.M.Murugan presided over the debate event on 10.08.17

K.Ramesh Aravind and P.Akilandeswari, Dept.of EIE students participated in the Debate Show ('Neeya? Nana?') organized by the Vijay Television and it was telecast on 27.08.17.

K.Kanagaraj III year Dept of Civil was elected as the student Coordinator of the Paarivendhar Tamil Mandram, a division of SRM University-Tamil Academy.

The following students of our College were nominated as in charges of the Paarivendar Students' Tamil Association, a division of SRM University-Tamil Academy.

(i) A.S.Aravind, Second year ECE, as Incharge of Technical Division, (ii) K.Adhavaraj, second year Civil, incharge of News Division, (iii) J.Logesh, Final year Civil, in charge of External Affairs Division.

Mahaveer Foundation conducted an Essay competition on 01.09.17 on 'The Relevance of the Teachings of Bhagwan Mahaveer in the Present world'in our College on the eve of Mahaveer's birthday. 44 students of our College participated in the competition.

Tamil Development organization, Tamil Nadu Government, conducted District Level Speech, Essay writing and Poetry competitions for college students on 15.09.17 and Ms.K.Lalithapriya, Dept of EIE Third year,

won the First Prize in the Essay Competition and received a cash Prize of Rs.10,000/- from Thiru.P.Ponnaiah IAS,Kancheepuram Dist.Collector.

Paarivendar Students' Tamil Association, a division of SRM University-Tamil Academy celebrated the second anniversary function on 26.09.2017.Various events were organized by the students of our institution. The following students were the prize winners.

1. Mr.G.Preethusandhar, Dept of Mechanical Final year, won the First prize in Photography.

2. Mr.K.Mohanraj, Dept of Civil, First year, won the Third Prize in Poetry Competition.

3. Ms.N.Bala Abirami & Ms.S.Varsha, Dept of EEE, Second Year, won the First Prize in Quiz.

4. Ms.S.Varsha, Dept of EEE, Second Year, won the Third Prize in the Essay Competition.

5. Mr.G.Sankaradaas & Mr.A.Aroakiya Vimalan, First year, won the second Prize in Quiz.

6. Mr.M.Nitheeshwar, First year, won the second prize in Chess.

Our Founder Chairman Dr.T.R.Paarivendar awarded the prizes and certificates for the prize winners. Annual Magazine 'Vendar Neri' was published on 26.09.17 in which our college students' articles and their works were published.

VEC Student Affairs Cell



VEC Student Affair Cell organised Expert Lecture on Career Opportunities in Civil Services' on 13.9.2017 during the Academic Year 2017-18. Mr.V.Prakash, Joint Coordinator, Jeevan Jyothi Institute of Administrative Services was the speaker.

Value Added Courses

Our College offered Value Added Courses to provide and opportunity for the students to choose the courses according to their desire and inclination. The courses are offered to bridge the perceived technical competency gaps and to improve the employability prospects of the students. Students and Staff from any department can enroll any courses listed below. (i) Civil - Analysis Software using STAAD.PRO, (ii) CSE - Python, (iii) ECE - Hardware Description Language (HDL) programming using Electronics Design Automation (EDA) tools, (iv) EEE - MATLAB Applications in Control Systems, (v) EIE - Training on PLC and SCADA for Monitoring & Control Applications, (vi) IT - Network Simulator (NS2), MECH - CNS Programming and Simulation, (vii) MBA - Logistics Management, (viii) MCA - Application Development Using UML Design Methodologies in Open Source & (ix) Placement - Coaching for Bank Examination.