



Valliammai Engineering College

SRM Nagar, Kattankulathur - 603 203.

Email : srmvec@valliammai.co.in

Website : www.valliammai.co.in

VEC NEWS

[Quarterly]

Vol. 5 No. 1

Jan - Mar. 2016



College Volley Ball Men's Team with The Chairman, Principal, Vice Principal & PD

Our College Volley Ball Men's Team won the I prize in the State Level Inter Collegiate Volley Ball Tournament organised by Dhanalakshmi Engineering College.

Our College Basket Ball Men's team won the I prize in the State Level Inter Collegiate Basket Ball Tournament organised by Dhanalakshmi Engineering College.

ICTACT

A one day seminar on 'Career Opportunity Multi Billion Dollar Audio Visual Industry' was organised by Valliammai Engineering College in



Students with the Chief Guest of the seminar 'Career Opportunity - Multi Billion Dollar Audio Visual Industry'

association with ICT Academy of Tamil Nadu on 17.03.2016.

Mr. David Labuskes, Executive Director & CEO, Infocomm International, India & Middle East was the Resource Person ■

NPTEL

Totally 316 Faculty and students registered for NPTEL Online Certification Examination for January 2016 session for the different courses □



VEC NEWS

The Department of Civil Engineering

Mr.A.Sattainathan Sharma, AP & Mr.S.Karthick, AP participated in the Faculty Development Programme on the 'Design of Steel Structures' organized by the Dept of Civil Engineering at S.A Engineering College from 04.01.16 to 11.01.16.

Ms.T.Swedha, AP & Ms.R.Gowri, AP participated in the Faculty Development Programme on the 'Introduction to Structural Engineering' conducted by the Indian Institute of Technology, Kharagpur from 04.01.16 to 09.01.16.

Dr.D.Elango, Professor & Head, Dept of Civil Engineering has been nominated as the Member of Board of Studies, Anna University for the next three years from February 2016 onwards.

P.Sudalaimuthu of second year participated in the three day Entrepreneurship Awareness Camp at Valliammai Engineering College.

On the National level one day Workshop on 'Tech-Knowledge transfer between the Institutes and Industries on Concrete and Construction' organized at the SRM University on 04.03.16 and the following students participated. R.Shyam Sundar, P.Senthil Kumar, R.Saravanan of II year and S.Clifton Phoenix, D.Dhinesh, D.Harish, P.Gayathri, R.Ajithkumar, K.Abinaya, R.Gopinath, D.Indhumathi, P.Hemalatha, S.Yamuna, L.Visali, P.Vaishnavi, K.M.Ramya of III year.

In the National Level one day workshop organized at the IIT Madras from 05.03.16 to 06.03.16 the following students participated. D.Harish of II year and S.Clifton Phoenix, C.Dhinesh Lakshmanan of III year.

In the National Level Technical Symposium organized by Dhanalakshmi Srinivasan College of Engineering and Technology on 21.03.16, the following Students participated. A.Sathish, A.Sivaraman, G.Ramsundar, S.Vidhaeswar and K.Sanjay of III year.

The Department of Electrical and Electronics Engineering

A one day workshop on 'Motors Circuit Design Using AutoCAD Electrical' was organized on 4th and 5th February 2016. Mr.Azad Khan (Sr. Cadd Engineer) and Ms.Allant Sonia (Sr. Cadd Engineer) of CADD Training Centre, Chennai were the Resource Persons.

A one day seminar on 'VSI Based Variable Frequency Drives in Power Electronics circuits' was conducted on 18th March 2016. Mr.J.Balamurugan, Asst Engineer/Electrical/AE/IT Wing, TNEB Head Quarters, Chennai was the Chief Guest.

IEEE technical talk was conducted by the Dept of Electrical and Electronics Engineering in association with IEEE Technical Club. Staff presented technical talks on different topics. The details are as follows.

- ◆ Dr.K.Elango - Application of Fuzzy Logic in Electrical Engineering
- ◆ Dr.G.Udhayakumar - Denoising of ECG signals based on noise reduction algorithms in EMD and wavelet domains
- ◆ Dr.R.Arivalahan - Adaptive control scheme
- ◆ Dr.R.Karthik - Monitoring/Insulation Advancements of Power Transformer
- ◆ Mr.G.Madhusudanan, AP - Research Methodology
- ◆ Mr.S.Rajan Babu, AP - Mitigation of power quality problems using DSTATCOM

Project exhibition was conducted on 30.03.2016 and Vishnu Priya.K, Vijayasree.A.K, Vignesh.S and Aravind Kumar.D of final year EEE won the first prize for their project titled 'Obstacle Avoidance Vehicle with Antitheft Module'. Prasanna Venkatesh.S, Pown Prasanth.K.V.S, Shahul Hameed.M and Shobana.R won the second prize for their project titled 'Hybrid battery charging system using solar PV and Utility grid'.

The Faculty members of EEE Dept went on a one - day Industrial Visit to the Technocrat Automation Solution Pvt. Ltd, at Ambattur and Nungambakkam on 6th Jan. 2016.

The EEE Dept conducted an FDP on the 'Discrete Time Systems and Signal Processing' on 07.01.2016.

III year EEE students went on an industrial visit on 19.03.2016 to the North Chennai Thermal Power station.

Dr.R.Karthik presented a paper on the 'Influence of ageing on dielectric characteristics of silicon di oxide, tin oxide and Ferro nanofluids based mineral oil' at the IEEE Conference on the Advances in Electrical, Electronics, information, communication and bio informatics, Chennai, India, Feb, 2016.

Dr.K.Elango and T.Malar Magal, PG scholar published a paper on the 'Power Generation with QUASI-Z-Source Inverter Using ANFIS Based MPPT' in the International Journal for Research in Applied Science and Engineering Technology (IJRASET), Volume 4, Issue III, March 2016, ISSN: 2321-9653.



VEC NEWS

Dr.K.Elango and Junia.D, PG Scholar published a paper on the 'Loss Reduction Using the Smart Power Flow Controller by Tap-Changing Algorithm of Sen Transformer' in the International Journal for Research in Applied Science and Engineering Technology (IJRASET), Vol.4, Issue III, Mar. 2016, ISSN:2321-9653.

Dr.G.Udhayakumar and R.S.Sundharamoorthy, PG Scholar published a paper on the 'Power Management using modified solid state transformer for AC distribution system' in the International Journal for Kings College Of Engineering Thanjavur, Volume 4, Issue III, February 2016, ISSN: 2321-9653.

Dr.G.Udhayakumar and S.S.Vignesh, PG Scholar published a paper on 'An integrated three layer hierarchical control and protection of photovoltaic generators in microgrid' in the International Journal for Kings College of Engineering Thanjavur, Volume 4, Issue III, February 2016, ISSN:2321-9653.

Dr.R.Arivalahan and R.Bharathi, PG Scholar published a paper on 'Improving the Power Quality based on VSC-DSTATCOM with back propagation algorithm through Neural Network' in the International Journal for Research in Applied Science and Engineering Technology (IJRASET), Vol. 4, Issue II, Feb. 2016, ISSN:2321-9653.

Dr.R.Arivalahan and G.Shobana, PG Scholar published a paper on 'Modified PSO Based SAPF Control Strategy for Harmonic Elimination and Power Factor Correction in Distribution System' in the International Journal for Research in Applied Science and Engineering Technology (IJRASET), Volume 4, Issue II, February 2016, ISSN:2321-9653.

Dr. Karthik.R and Sarath.S, PG Scholar published a paper on the 'Impact of VSC-HVDC in Frequency Regulation of offshore Wind Farms' in the International Journal for Research in Applied Science and Engineering Technology (IJRASET), Vol. 4, Issue III, Mar. 2016, ISSN:2321-9653.

Dr. Karthik.R and Mathusoothanan.T, PG Scholar published a paper on the 'Rotor Angle Stability Improvement of DFIG Using Grid Side and Rotor Side Converter Control' in the International Journal for Research in Applied Science and Engineering Technology (IJRASET), Vol. 4, Issue III, Mar 2016, ISSN:2321-9653.

Mr.S.Rajan Babu, AP and P.S.Sugirtha, PG Scholar published a paper on the 'Harmonic Distortion Elimination for STATCOM Application Using SHE-PWM Cascaded Multilevel Inverter' in the International Journal for Research in Applied Science and Engineering Technology (IJRASET), Vol.4, Issue III, March 2016, ISSN: 2321-9653.

Mr. S. Padmanabhayappan, AP and Raghavendran.C.R, PG Scholar published a paper on the

'Torque Control of BLDC Motor fed by Z-Source B4 Inverter Using Fuzzy Logic Controller' in the International Journal for Research in Applied Science and Engineering Technology (IJRASET), Vol.4, Issue III, Mar. 2016, ISSN: 2321-9653.

Mr.V.Sudhagar, AP and Karthikeyan.R, PG Scholar published a paper on the 'Economic Dispatch in Steam Power Plant Using Honeybee Mating Optimization' in the International Journal for Research in Applied Science and Engineering Technology (IJRASET), Volume 4, Issue III, March 2016, ISSN:2321-9653.

Ms.A.Anuradha, AP and S.Sasi Vadhana, PG Scholar published a paper on 'A Systematic Approach for Storage Free Smart Energy Management With Frequency Control in Hybrid AC Micro Grid System' in the International Journal for Research in Applied Science and Engineering Technology (IJRASET), Volume 4, Issue III, February 2016, ISSN:2321-9653.

Ms.Pratheebha, AP and Ramya.L, PG Scholar published a paper on 'A Novel Control Technique of Solar Farm Inverter as PV-UPFC for the Enhancement of Transient Stability in Power Grid' in the International Journal for Kings College of Engineering, Thanjavur, Volume 4, Issue III, February 2016, ISSN: 2321-9653.

Ms.P.Bency, AP and Renuka.N, PG Scholar published a paper on 'Incorporating Bidirectional Synchronous-VSC to Enable DC-Link Voltage Regulation with SFCL and Bypassing Circuit' in the International Journal for Research in Applied Science and Engineering Technology (IJRASET), Vol. 4, Issue III, Feb. 2016, ISSN:2321-9653.

The Department of Electronics and Communication Engineering

M.Lavanya & M.Selvaraj, AP published a paper on the 'Secured Seamless Wi-Fi Enhancement in Dynamic Vehicles' in the International Journal of Advanced Engineering and Global Technology, Volume 04, Issue 01 on January 2016.

Christy Mathew Priya W & Dr.Komala James published a paper on the 'SVC Multicast over heterogeneous wireless networks' in the International Journal of Advanced Engineering and Global Technology, Volume 04, Issue 01 on January 2016.

In the International Journal of ICICES-2016 the following papers were published on 24.02.16.

- The 'Analysis of Enhanced Channel Estimation Techniques in High Mobility OFDM Systems' by Vanthana K & Dr.Usha Bhanu N.

- 'An Enhanced Self-Scheduled Access Control in VANET' by Arul Jothy M.K & Mr.D.Murugesan, AP.
- The 'Investigation of Algorithms for Reducing Delay in Cognitive Radio Networks' by Nancy Priyanka W.L & Dr.Usha Bhanu N.
- The 'Defending Collaborative Attacks in MANETS using Modified Cooperative Bait Detection Scheme' by Emima Juliet P & Ms.Thirilogasundari V, AP.

Naveen Santharuban S & Dr.Mohan J published a paper on the 'Smart Filtenna for Cognitive Radio Applications' in the International Journal of ICEDGE-2016 on 18.03.2016.

In the International Journal of ICETETR-2016 the following papers were published on 19.03.16.

- 'A path Selection Strategy for energy efficient mobile sink in wireless Sensor Networks' by Santhosh K & Sudhir T.V, AP.
- 'A Smart Grid System based on the Cloud Cognitive Radio using Beam forming approach in the Wireless Sensor Network' by Gopal.P & Nadana Ravishankar.T, AP.
- 'A Smart Grid System based on Cloud Cognitive Radio using Beam forming approach in Wireless Sensor Network' by Gopal P & Nadana Ravishankar T, AP.
- The 'Convergence Routing Analysis in IPv6 Networks' by Arun Kumar S & Marirajan S, AP.

Gunaseelan S & Dr.M.Murugan published a paper on the 'High Gain Patch Antenna for Cubesat' in the International Journal of WISPNET-2016 on 23.03.2016.

Mr.M.A.Seenivasan, Ms.Indu Nikhil, Ms.Mercy Subaraman, Ms.K.Sobana, Assistant Professors attended the Faculty Development Programme on 'The Discrete Time Systems and Signal Processing' during 07.01.2016 & 08.01.2016 organized by the Dept of Electrical and Electronics Engineering, Valliammai Engineering College.

The Faculty members noted below attended the 5 day Inplant Training Programme on the 'Semiconductor Device Fabrication Process and Assembling on the PCB Board' at Green Pearls Electronics Private Limited from 07.01.2016 to 12.01.2016.

Dr. J Mohan, Mr. A.G. Murali Krishna, Ms.C.Amali, Mr.M.A. Seenivasan, Ms. N. Subhasini, Mr. K. Sanjay, Ms.C.Sumitha, Mrs. R. Birunda, Ms. Mercy Subaraman and Ms. K. Sobana.

Dr.Komala James, Professor participated in the workshop on the 'Outcome Based Education' jointly organized by IUCEE, BMS College of Engineering and

Inpods at Dr.D.Y.Patil Institute of Engineering and Technology, Pimpri, Pune on 9th & 10th January 2016.

Dr. Usha Bhanu N, Assoc. Prof., attended the Faculty Development Programme on the 'Internet of Things (IoT)' organized by the Dept of Electronics and Communication Engineering, KCG College of Technology on 20.01.2016.

Ms. Birundha R, AP participated in the 3 day workshop on the 'Key Electromagnetic Concepts' during January 20-22, 2016 at SSN College of Engineering, Kalavakkam-603110.

Mr.Rajesh.N, AP attended the 2 day National Level Workshop & Hands-on Training on the 'RF Measurements using Network Analyzer for wireless Communication' organized by the Dept of Electronics and Communication Engineering, Vel Tech Multitech Engineering College during January 28-29, 2016.

As per the Anna University Chennai Vice-Chancellor's approval, a one day Orientation Programme for the NSS Programme Officers and Volunteers was arranged by the College of Engineering, Guindy. S.Parthasarathy, NSS Programme Officer and one volunteer R.Madhan Kumar of 2nd year ECE attended the Programme on 23.02.2016.

Dr. Komala James, Professor participated in the 'ICTACT-Bridge 2016-Chennai Edition' Programme at Chennai Trade Center, Chennai on 24th Feb. 2016, conducted by the ICT Academy of Tamil Nadu, Chennai.

Ms. Arokia Princy & Ms Manjulavani.M of 3rd year ECE participated in the Women's Day Celebrations organized by WIPRO India Pvt Ltd at CDC 5 Sholinganallur Wipro Office on 19th March 2016.

Faculty Development Programme on 'Communication Theory' was organized by Ms. C.Amali, AP on 21.01.2016 & 22.01.2016 for the Faculty members of ECE Dept. The following Faculty members delivered lectures on different topics.

- Introduction to Amplitude Modulation, Generation of AM signals and Demodulation Techniques of AM signals - Ms. C Amali, AP.
- Introduction to Angle Modulation, FM Modulation Techniques and Demodulation Techniques of FM signals- Ms. N.Subhasini, AP.
- Random process and variables in Communication Theory - Mr.K.Sanjay, AP
- Noise performance in AM and FM systems - Mr.T.Nadana Ravishankar, AP.
- Information Theory & Encoding Techniques - Ms.C.Sumitha, AP.



VEC NEWS

Faculty Development Programme on 'EC6601-VLSI Design' was organized by Dr. N. Usha Bhanu, Assoc. Prof. on 28.01.2016 & 29.01.2016 for the Faculty members of ECE Dept. The following Faculty members delivered lectures on different topics.

- MOS Transistor Principle and Fabrication process technology - Mr. S. Mari Rajan, AP
- CMOS Inverters, Principle of Scaling, Stick and Layout Diagrams, Static and Dynamic Latches and Registers, Low Power Memory Circuits, Synchronous and Asynchronous Design- Dr. Usha Bhanu.N, AP.
- Combinational Logic Design, Pass Transistor Logic, Transmission Gates Static and Dynamic CMOS Design - Mr. A. Pandian, AP.
- Power Dissipation Low Power Design Principles - Mrs.Mercy Subaraman, AP.
- Full Custom and Semi-custom Design, Standard Cell Design and Cell Libraries, FPGA Building Block Architectures and Introduction to HDL Programming Simulation, Synthesis and Implementation using Xilinx FPGA - Mr.S.Senthil Murugan, AP.
- Data Path Circuits, Architectures for Ripple Carry Adders, Carry Look Ahead Adders, Multipliers, Dividers, Barrel Shifters - Dr.J.Mohan, AP.

Final year ECE Students attended a Webinar on the 'Embedded System Design' handled by Mr.Kishore Mahadevan, Caterpillar, India on 09.02.2016.

A Seminar on the 'Awareness Programme on Outcome Based Education' was conducted at Valliammai Engineering College on 12.02.2016 & 13.02.2016. Dr.Komala James presented a seminar on topics like Course Outcomes, Program Outcomes, Programme Specific Outcomes, and Programme Educational Outcomes with respect to the NBA.

On behalf of the ECE Dept an expert lecture on the 'Optical Communication and its Applications' was conducted for our third year U.G and second year P.G. students on 20/02/2016. The Resource Person Mr.J.Mohanraj, Research Associate, School of Electrical Engineering, VIT University and Vellore delivered a speech on the Concept of Optical Communications and its Applications'.

A Guest Lecture on the 'Random Process and its Applications' was conducted on 09.03.2016 by the Mathematical Dept for the benefit of IV Semester ECE students. This Lecture was delivered by Dr.S.Joshua David, Asst Professor, Dept of Statistics, Madras Christian College, Chennai.

Dr.N.Usha Bhanu, Associate Professor, handled a session in the Faculty Development Programme 'The Discrete Time Systems and Signal Processing' on 'Digital Signal Processor and its Applications' on 08.01.2016 organized by the EEE Dept.

Mr. S.Marirajan, AP, handled a session in the Faculty Development Programme 'The Discrete Time Systems and Signal Processing' on 'Analog and Digital Filter's Processing' on 08.01.2016 organized by the EEE Dept.

In the Faculty Development Programme on 'Communication Engineering' organised by the EIE Department on 12.01.2016 and 13.01.2016. The following Staff handled sessions.

- Ms.C.Sumithra, AP & Mr.C.Saravana Kumar, AP on the 'Embedded Systems'.
- Dr.Komala James, Professor on the 'Multiple Access Technologies'.
- Mr.D.Murugesan, AP on the 'Satellite Communication'.
- Mr.T.V.Sudhir, AP on the 'Source and Error Control Codes'.

Dr. Komala James, Professor handled a session in the Faculty Development Programme on the 'Time Management' on 13.01.2016 for the newly joined Teaching Staff in the Academic Year 2015-16.

Dr. Komala James, Professor delivered a lecture on the 'Outcome Based Education' for the Faculty members of CSE on 23.02.2016 organized by the CSE Dept.

Knowledge Sharing Seminar (Tech Talk)

- ❖ Investigation of VLSI Architecture for Lifting DWT - Dr. N. Usha Bhanu.
- ❖ Planar High Gain Dielectric Loaded Exponentially tapered Slot Antenna for Millimeter Wave Wireless Communication - Dr. S.Ramesh.
- ❖ Prediction of Movie Box Office Success based on Wikipedia Activity Big Data - Mr.T.Nadana Ravishankar, AP.
- ❖ A Survey based on Smart-Homes System Using Internet-of-Things - Ms.K.Kamala, AP.
- ❖ Bandwidth Enhancement in Microstrip Patch Antenna - Ms T.S. Sheriba, AP.

Project Exhibition

The total number of projects in all the three UG Classes was 53. Based on various parameters such as social relevance, innovation, uniqueness, creativity and demonstration, 6 projects were short listed. The selected 6

projects were first presented for screening to the Committee from EIE Dept. The Project Expo Committee Members Dr.B.Vanathi, Prof.N.Lakshmana Perumal, Dr.H.Krishnan, Dr.J.Krishnamurthi examined the Projects noted below and the best project was announced on 30.03.2016.

Top Three Projects for the Academic Year 2015-16



Project Expo at CSE Department

- ◆ Real-time Intruder Detection across the National Border by Sathish Kumar.K, Shiva.S, Sibi.S & Srinivasa Gopalan.M guided by Dr.J.Mohan secured the first rank.
- ◆ Design of Inverted Pendulum Based Personal Commute - by Akalya K, Aravind Kumar R, Gowtham S & Karthik S guided by Mr.S.Senthil Murugan, AP secured the second rank.
- ◆ Black box on Earth-an Adhoc based flight data recorder at ground server stations - by Sahaya Infant Ajees. A, Satish.P & Sasikumar.R guided by



A student explains his project to the Project Examiners

Mr.T.Nadana Ravishankar, AP secured the third rank.

NBA Internal Mock Audit Committee members Dr.S.Visalakshi, Dr. K.Elango & Dr.H.Krishnan conducted the Mock NBA Audit on 01.03.2016, evaluated as per the NBA guidelines and awarded an overall score 819 out of 1000.

The Department of Computer Science and Engineering

Ms.D.Kavitha, AP and Ms.S.K.Rani of II year M.E. published a paper on the 'HDTCV: Hybrid Detection Technique for Clickjacking Vulnerability' in the springer Artificial Intelligence and Evolutionary Computations in Engineering Systems, Advances in Intelligent System and Computing, Series Volume.94 Pages. 607-620, ISBN Print 978-81-322-2654-3, ISBN Online 978-81-322-2656-7, 2016.

Ms.D.Kavitha, AP and Ms.M.R.Akshaya, Mr.M.Karthik, Ms.K.Baghya, Ms.K.Gomathi Rajaswari of IV year B.E. published a paper on the 'Prevention of CSRF and SS Security Attacks in Web Based Applications' in the International Journal of Innovative Research in Science, Engineering and Technology, Vol.5 Issue 3, ISSN Online 2319-8753, ISSN Print 2347-6710, March 2016.

Ms.D.Kavitha, AP and Ms.S.Hemavathy of II year M.E. published a paper on the 'Preserving Text Search Privacy Through Blind Storage Towards Secure Storage and Retrieval of Data' in the International Journal of Advanced Research in Computer and Communication Engineering, Vol.5 Issue 2, ISSN 2278-1021, February 2016.

Ms.D.Kavitha, AP and Ms.S.Hemavathy of II year M.E. published a paper on the 'Secure Multi-Keyword Privacy Preservation Through Blind Storage' in the Advances in Natural and Applied Sciences, Vol 9(15), ISSN 1995-0772, Pages 27-32, March 2016.

Ms.D.Kavitha, AP and E.Monica Rani, S.A.Jagannathan of IV year B.E. published a paper on the 'Optimizing object Distortion in motion detection using Cauchy distribution model' in the International Journal of Innovative research in computer and communication engineering, Vol 4, Issue.3, ISSN: 2320-9801, Pages 3109-3117, March 2016.

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



VEC NEWS

Ms.D.Kavitha, AP and E.Monica Rani, S.A.Jagannathan of IV year B.E. published a paper on the 'Optimizing object Distortion in motion detection using Cauchy distribution model' in the International Journal of Innovative research in computer and communication engineering, Vol 4, Issue.3, ISSN: 2320-9801, pages 3109-3117, March 2016.

Ms.S.Shanthi, AP and Ms.N.D.Sowmiya of II year M.E. published a paper on the 'Secure Virtualized Multi Tenancy Architecture in Cloud Computing using H-SVM' in the International Journal of Advanced Research in Computer Communication Engineering, Vol.5, Issue 1, ISSN 2278-1021, January 2016.

Ms.S.Shanthi, AP and Ms.N.D.Sowmiya of II year M.E. published a paper on the 'Securing Guest Virtual Machine By Using Software and Hardware Processor' in the International Journal for Research in Applied Science and Engineering Technology, Vol. 4, Issue 3, ISSN 2321-9653, March 2016.

Dr.M.Senthil Kumar and Ms.M.Sumithra of II year M.E. published a paper on the 'Improved and secured information sharing in emergency management using artificial intelligence' in the Advances in Natural and Applied Sciences, Vol. 9(17), ISSN 1995-0772, pages 44-49, March 2016

Dr.M.Senthil Kumar and Ms.M.Sumithra of II year M.E. published a paper on 'A Survey on Secured Information Sharing' in the International Journal of Innovative Research in Computer and Communication Engineering Vol 4, Issue 2, ISSN: 2320-9801, Feb. 2016.

Dr.M.Senthil Kumar and Ms.M.Sumithra of II year M.E. published a paper on the 'Comparison of Complex Event Processing Techniques in Sensor Networks' in the International Journal of Advanced Research in Computer and Communication Engineering Vol 5, Issue 2, ISSN: 2278-1021, February 2016.

Mr.B.Muthusenthil, AP Mr.C.Vijayakumaran, AP Mr.Hyun Sung Kim, published a paper on the 'Non-interactive Security Framework for Mobile Device Based Academic Monitoring System' in the International Journal of Security and its Applications, Vol 10, Issue.1, pp 265-276, ISSN: 1738-9976, March 2016.

Mr.B.Muthusenthil, AP, L.Bharath, S.Brindha, S.Kanishkha, M. K. Keerthi Krishna of IV year B.E., published a paper on the 'Software for Nextgen 3g Visualization in Augmented Reality' in the International

Journal for Scientific Research & Development, Vol 4, Issue.1, ISSN: 2321-0613, March 2016.

Mr. L. Karthikeyan, AP and Mr. M. Prakash of II year M.E. published a paper on the 'Detection Algorithm for Density Network Attack in Wireless Network Coding Systems' in the Advances in Natural and Applied Sciences, Vol 9(15), ISSN 1995-0772, pages 38-43, March 2016.

Mr.L.Karthikeyan, AP published a paper on the 'Literature Survey on position based routing protocols in VANET' in the Advances in Natural and Applied Sciences, Vol 9(17), ISSN 1995-0772, pages 86-92, March 2016.

Ms.C.Pabitha, AP and Ms. V. Julistephy of II year M.E. published a paper on the 'User Based Personalised Search with Big Data' in the International Journal of Innovative Research in Computer and Communication Engineering Vol 4, Issue 2, ISSN: 2320-9801, February 2016.

Ms. V. Julistephy of II year M.E. and Ms. C. Pabitha, AP published a paper on 'A Survey on Text Mining Procedures and Exploring Techniques' in the International Journal for Research in Applied Science & Engineering Technology.Vol 4, Issue 3, ISSN: 2321-9653, March 2016.

Ms.R. Anitha, AP and Ms. V. Suganya of II year M.E. published a paper on the 'Security of data in semi trusted third party for Cloud Environments' in the Discovery Engineering, Perspective, An International Journal, Vol.4 Issue 11, ISSN 2320-6675, January 2016.

Ms.R. Anitha, AP and Ms. V. Suganya of II year M.E. published a paper on 'A survey on data security issues, data encryption techniques and data protection in cloud environment' in the international journal of innovative research in computer and communication engineering, Vol.4 Issue 3, ISSN 2320-9801, March 2016.

Ms.S. Charumathy of II year M.E., Ms.A.Lalitha, AP published a paper on the 'Image Authenticated deduplication on hybrid cloud, Vol 21, Issue.3, ISSN: 0976-1353, pages 105-110, Apr. 2016.

Ms.S. Charumathy of II year M.E., Ms.A.Lalitha, AP published a paper on the 'A study on cryptographic Techniques for secured data sharing in network, Vol 5, Issue.3,ISSN: 2319-8753, pages 2970-2973, March 2016.

Ms. S. Shelgin of II year M.E. and Mr. K. Shanmugam, AP and Dr. B. Vanathi published a paper on 'A survey about object detection and classification in image processing' in the International Journal of Scientific

Development and Research, Vol.1 Issue 3, ISSN 2455-2631, March 2016.

Mr. Varun Kannan, Ms. R. Nisha, Ms. J. Nishkriya, of IV year B.E, Dr.B.Vanathi and Mr.K.Shanmugam, AP published a paper on the 'MediciQR adoption of Foolproof Technology in Pharmaceuticals' in the International Journal of Innovative Research in Computer and Communication Engineering, Vol.4 Issue 3, ISSN 2320-9801, March 2016.

Ms.D.Keerthika of II year M.E., Ms.G.Sangeetha, A.P. published a paper on the 'WINSOME-A search engine' in the International Journal of Emerging Technology in Computer Science & Electronics, Vol 21, Issue.3, ISSN: 0976-1353, pages 105-110, APR 2016.

Ms.D.Keerthika of II year M.E., Ms.G.Sangeetha, A.P. published a paper on 'A Survey on data mining Algorithm' in the International Journal of Advanced Research in Computer and Communication Engineering. Vol.5, issue.3, pg:192-197, ISSN: 2278-1021, March 2016.

Ms.A.Vidhya, AP and Ms. K. Dhanalakshmi of II year M.E. published a paper on the 'Classification methodologies of retinal vessel segmentation' in the Discovery Engineering, Analysis, An International Journal, Vol.4 Issue 11, ISSN 2320-6675, January 2016.

Mr. N. Leo Bright Tennisson, AP published a paper on 'A Unique Secure Authentication Mechanism for Control of Vehicle Using Smartphone' in the International Journal of Innovative Research in Advanced Engineering, Vol.3 Issue 3, ISSN 2349-2763, March 2016.

Ms.M.Suruthi of II year M.E., Ms.S.Suma, A.P. published a paper on 'A survey on secure data sharing using Encryption Techniques and schemes in cloud computing' in the International Journal of Engineering Technology in Computer and Electronics, Vol 21, Issue.3,ISSN: 0976-1353, pages 105-110, APR 2016.

Ms.G. Priyanga of II year M.E. and Ms. S.Benila, A.P published a paper on 'A Survey on Classification Methodologies of Encryption Methods in Cloud' in the International Journal for Research in Applied Science & Engineering Technology. Vol 4, Issue 3, ISSN: 2321-9653, March 2016.

Ms. R.Vigneshwar of II year M.E. and Ms.V.Prema, A.P published a paper on the 'Reversible data hiding in images using reverse room technique along with key modulation' in the Advances in natural and applied sciences (Annexure-II).special 9(17), ISSN: 1998-1090, March 2016.

Ms.Shalomi Junofia.R of II year M.E. and Ms.V.Muthamilselvi, A.P published a paper on the 'Economic Bulletin for meeting points in a moving group via circular safe region' in the Advances in Natural and Applied Sciences (Annexure-II).special 9(17), pg:33-37, ISSN: 1998-1090, March 2016.

Ms. B.Srilekha of II year M.E. and Dr.V.Dhanakoti published a paper on the 'Mobile Tracking based on phone theft detection' in the International Journal of Advanced Research in Computer and Communication Engineering. vol.5, issue. 3, pg:192-197, ISSN: 2278-1021, March 2016.

Mr.M.Prakash and R. Shalomi Junofia of II year M.E. published a paper on the 'Density Network Attack Detection Based on Signature in Wireless Network Sensor Systems' in the International Journal of Innovative Research in Computer and Communication Engineering, Vol.4, Issue 2, ISSN 2320-9801, February 2016.

Ms.M.Joharan Beevi of II year M.E. published a paper on 'A survey on Bigdata framework for Agro environment' in the Middle-East Journal of Scientific Research, Vol 24(2), ISSN 1990-9233, pages 314-319, March 2016.

A Guest Lecture was delivered on the 'Wireless Sensor Network' by Mr.Venkatesan Prabhu, CEO, Kaashiv Infotech., on 02.03.2016.



Guest Lecture on Wireless Sensor Networks

A Seminar was delivered on the 'Security Issues in Big Data' by Mr. Sakuber Sathik Founder of Arivelm., on 18.02.2016.

A Faculty Development Programme was conducted on the 'Design and Analysis of Algorithm' by Ms.G.Sangeetha, AP and Ms. A. Vidhya, AP on 13.01.2016 & 14.01.2016.

A Faculty Development Programme was conducted on the 'Compiler Design' by Ms.K.Devi, AP and Mr.K.Shanmugam, AP on 28.01.2016 & 29.01.2016.

A Staff Development Training Programme was conducted on the 'Macromedia Flash' by Programmers Ms.K.Shyamala and Ms. S. Valli, on 13.01.2016.

An Entrepreneurship Awareness Camp (EAC) was conducted with funding from Entrepreneurship Development Institute of India, Ahmedabad by Mr.S.Sathish, Deputy Director, MSME from 03.03.2016 to 05.03.2016.



Industrial Visit by the Dept. of CSE Staff to Capgemini, Mahindra World City

An industrial visit was organized for our department Staff at Capgemini, Mahindra City on 07.01.2016. 22 Staff went on the industrial visit.

A National Conference on the 'Electronics, Wireless, Computer Communications, Computational Intelligence and Networking (EMIC'16)' in association with CSI, ICTACT, ISTE and IETE was conducted on 9th April 2016.

The Department of Electronics & Instrumentation Engineering

In the National Conference on the 'Intelligent Computing and Automation' (INSTRUVISION'16) held at Kamaraj College of Engineering and Technology, Virudhanagar on 11th March 2016, the Staff and students noted below presented papers.

Ms. S.Gomathi, M.E., II year on the 'System Identification of Electrospinning Process'.

Mr. S.M.Kasiraj, M.E., II Year and Ms.V.P. Sandhya, A.P on the 'Android Based Application for Wireless Control of Wheel Chair'.

Ms. T.Meenakshi, M.E., II Year and Ms.S. Vanila, A.P on the 'ZVS Bidirectional LIC Resonator Converter for Charging and Discharging Battery by Fuzy Logic Controller'.

Mr. T.Siddharthan, M.E., II Year presented a paper on the 'Detection of Toxi Gases using Arudino and GSM Network'.



YRC

On 17th February 2016, A Smoking Awareness Campaign was

successfully conducted in Valliammai Engineering College and SRM University Campuses. 25 student volunteers and 5 Staff took part in the campaign. The rally started from the portico of the administrative office block around 4.45 p.m. and concluded around 6.00 p.m.



In the National Conference on the 'Advances in Mathematics and its Applications to Science and Engineering' (AMASE'16) held at Anna University, Thanjavur Campus, Pattukkottai on 22nd January 2016. The following Staff and students presented papers.

Ms.J.Archana, M.E., II Year and Mrs. K.Rathnapriya, A.P on the 'Design and Implementation of Function Generator by Additive, Subtractive Manufacturing A70 Programming'.

Mr. T.M. Hariguru, M.E., II Year and Dr.K. Ayyar, A.P on the 'Review on Controller for Flow Control Application'.

Mr. R.Sudalaimuthu, M.E., II Year presented a paper on the 'Fuzzy Logic Controller Design for Controlling Human Heart Rate and Blood Pressure' in the National Conference on the 'Renewable Power Generation' (NCRPG'16) held at Sree Sastha Institute of Engineering and Technology, Poonamallae, Chennai-600123 on 4th March 2016.

Mr. R.Sudalaimuthu, M.E., II Year and Ms. Z.Jenifer, A.P presented a paper on the 'Overview of Control Technique for Human Heart Rate and Blood Pressure' in the National Conference on the 'Communication and Computing' (NCCC'16) held at SRM University, Ramapuram Campus, Chennai on 9th March 2016.

Mr. S.P.Kishore Yashwanth, M.E., II Year and Mr.V.Sureshkumar, A.P presented a paper on the 'Implementation of PMV Based Thermal Comfort Sensing for HVAC Systems' in the National Conference on the

'Emerging Innovations in Electronics Instrumentation and Automation' (EIEIA'16) held at SRM University, Kattankulathur on 17th and 18th March 2016.

Ms.P.Ponajitha, M.E., II Year and Ms.K.S.Jaibhavani, A.P presented a paper on the 'Design of Gain Scheduling PID Controller for Network Control System' in the International Conference on the Current Trends on Engineering Research (ICCTER'16) held at National College of Engineering, Tirunelveli on 31st January 2016.

Mr. S.P.Kishore Yashwanth, M.E., II Year and Mr.V.Sureshkumar, A.P published a paper on the 'Real Time Thermal Comfort Sensing Using a Computer Aided Module' in the International Journal of Advanced Research in Electronics and Communication Engineering, (IJARECE), Volume 5, Issue 2, February 2016, page No.412-415.

Mr. S.Rahul, M.E., II Year and Ms.V.Mangaiyarkarasi, A.P published a paper on the 'Design, Modelling and Characterisation of Robotic Fish for Aquatic Monitoring' in the International Journal of Advanced Research in Electronics and Communication Engineering, Volume 5, Issue 2,, February 2016, page No.444-447.

Mr. K.Rathinavel, M.E., II Year and Ms.M.Shanthi, A.P published a paper on the 'Design of Industrial Environment Monitoring System using MIMO System' in the International Journal of Advanced Research in Electronics and Communication Engineering, Volume 5, Issue 2, February 2016,Page No.440-443.

Ms. N.Keerthika, M.E., II Year and Mr. P.Tamilmani, A.P published a paper on the 'Activity Classification and Muscle Disease Detection using EMG Signal' in the International Journal of Advanced Research in Electronics and Communication Engineering, Volume 5, Issue 2, February 2016,Page No.497-502.

Ms. N.Keerthika, M.E., II Year and Mr. P.Tamilmani, A.P published a paper on the 'Implementing GUI Package for Recognizing Muscle Disease using EMG Signals' in the International Journal of Engineering Innovative Technology (IJEIT), Volume 5, Issue 2, February 2016, Page No.497-502.

The Department in association with the ISA VMEC Student Charter organized a Workshop on the 'Distributed Control System' on 12-02-2016. Mr.A.Sathya Sivagurunathan, Project Manager, S.Venkatesh, DCS

Engineer, N.Ashwin Kumar, V.Rajkumar, G.Karthikeyan, I&C Engineers, Excel Automation Solutions, Chromepet, Chennai-44 were the Resource Persons.



A Guest lecture on 'Advancements in Electrical Machines'

The Department in association with the ISA VMEC Student Charter organized a Guest lecture on the 'Advancements in Electrical Machines' on 22.02.2016. Dr.N.C. Lenin, Associate Professor, School of Electrical Engineering, VIT University, Chennai Campus was the Resource Person.

Mr.P.Tamilmani, A.P, Ms.V.Mangaiyarkarasi, A.P and Ms.M.Ramzan Begum, A.P conducted the Value Added Course on the 'Virtual Instrumentation using Lab VIEW' from 05.02.2016 to 23.02.2016.

Ms.S.Vanila, A.P conducted a one day workshop on the 'Programming in Microcontroller' in Karpaga Vinayaka Institute of Technology, on 31.01.2016.

Dr.K.Ayyar, A.P and Mr. N.Sowrirajan, A.P attended a one day International Workshop on the 'Preparation of Technical Articles and Research Proposals' in the University College of Engineering, Anna University, Villupuram on 04.01.2016.

In the Faculty Development Programme on the 'Discrete Time System and Signal Processing' held at our College, on 7.01.2016 and 8.01.2016, the Staff noted below participated.

Ms.V.Mangaiyarkarasi,A.P, Mr.K.R.Ganesh, A.P and Ms.M.Ramjan Begum, A.P.

In the Faculty Development Programme on the 'Embedded Systems' held at our College, on 12.01.2016 and 13.01.2016 the Staff noted below participated.

Dr.S.Visalakshi, Professor and Head, Dr.Andy Srinivasan, Professor, Dr.K.Ayyar, A.P, Mr.P.Tamilmani,



Value Added Course on 'Virtual Instrumentation using LabVIEW'

A.P, Ms.K.S.Jaibhavani, A.P, Mr.V.Sureshkumar, A.P, Ms.V.Mangaiyarkarasi, A.P, Ms.M.Shanthi, A.P, Mr.R.Issanraj, A.P, Ms.Z.Jenifer, A.P, Ms.M.Ramjan Begum, A.P, Ms.P.Kalaiyarasi, A.P, Mr.G.Shiva, A.P, Mr.N.Sowrirajan, A.P and Mr.I.Andrew Xavier Raj, A.P.

In the Faculty Development Programme on the 'Communication Engineering' held at our College, on 28.01.2016 and 29.01.2016, the Staff noted below participated.

Dr.S.Visalakshi, Professor and Head, Dr.Andy Srinivasan, Professor, Dr.K.Ayyar, A.P, Mr.P.Tamilmani,A.P, Ms.S.Vanila,A.P, Ms.M.Shanthi, A.P, Mr.R.Issanraj, A.P, Mr.K.R.Ganesh, A.P, Ms.K.Rathna Priya, A.P, Ms.M.Ramjan Begum, A.P, Mr.N.Sowrirajan, A.P and Mr.I.Andrew Xavier Raj, A.P.

Mr.I.Andrew Xavier Raj,A.P attended a Faculty Development Programme on the 'Embedded Systems Design using ARM-Cortex M4 TM4C123G Starter Kit' in St.Joseph's Institute of Technology on 20.01.2016 and 22.01.2016.

Mr. P.Tamilmani, A.P attended a Faculty Development Programme on the 'Foundation Skills in Integrated Product Development (FSIPD)' in the Anna University(CEG Campus), Chennai from 26.03.16 to 30.03.16.

Mr. P.Tamilmani, A.P attended a Workshop on the 'Introduction to Robotics' in Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya (SCSVMV) University, Kanchipuram, on 22.02.16 and 23.02.16.

The third year U.G students (Section-1) and (Section-2) visited the Excel Automation Solutions, Chromepet on 21.03.2015 and 22.03.2015 respectively.

S.Kathick & R.Vasudevan, III year and B.Harishkumar & P. Bharani, IV year participated in the

State Level Founder's Trophy Tournament and won the fourth place held from 24.02.16 & 25.02.16 at B.S.Abdur Rahman University, Vandalur.

S.Kathick, III year participated in the State Games for Chief Minister's Trophy and won the fourth place held on 12.02.16 to 14.02.16 at Chinnasamayammal Boys' Hr. Sec. School, Tiruppur.

R.Nishant, III year participated in the NSS Special Camp held from 22.03.16 to 28.03.16 at Panchayat Union School, Guduvanchery.

The Department of Information Technology



Students with Faculty Members on an Industrial Visit to 'BSNL-DTTC, Chennai'

A one day Industrial Visit to 'BSNL-DTTC, Chennai' was organized on 15.03.2016.

Mr.S.Narayanan, A.P published a research paper on the 'Classification of Secure Encrypted Relational Data in Cloud Computing' in the International Journal of Research in Engineering and Technology e-ISSN 2319-7308 volume 5, Issue 3, March 2016.

Ms.B.R.Shunmugapriya, A.P presented a paper on 'To Eliminate Node Misbehavior using Path Tracing Algorithm with Elliptical Curve Cryptography in Wireless Ad-hoc Network' in the National Conference on the Recent Trends in Information Technology (NCRITIT' 16), was organized on 30th March 2016 at APEC, Melmaruvathur.

Ms.S.Jeyalakshmi, A.P, presented a paper on the 'Encrypted Multi-keyword Search with Data Chunking and Replica implementation for Secured Cloud Storage' in the IEEE sponsored International Conference on Science, Technology, Engineering and Management organized on 30th and 31st March 2016 at Jeppiaar Engineering College, Chennai.

A one day seminar on the 'Object Oriented Programming Concepts' was organized on 19.02.2016. C.Jayasingh, System Administrator, HCL Technologies, was the Resource Person.



A Seminar on Object Oriented Programming Concepts

Mr. S.Sekar, A.P presented a paper on the 'User Identity Verification for Secure Internet Banking System' in the National Conference on the 'Recent Advances in Engineering Science and Technology' organized on 27th March 2016 at IFIAD, Chennai.

Mr.R.Umanesan, A.P, presented a paper on the 'Automated RFID Based Health Care System' in the International Conference on the Emerging Trends in Engineering and Technology organized on 27th March 2016 at IFERP, Chennai.

Ms.S.Jeyalakshmi, A.P, presented a paper on the 'Performance Evaluation of Cloud Task Scheduling using Buddy Algorithm' in the International Conference on the Emerging Trends in Engineering and Research organized on 20th March 2016 at Hotel Chennai Gateway, Chennai.

The International Conference on the 'Internet of Things and Applications for Smart City' was organized on 18th and 19th March 2016 at HITS, Tirupathi. The following Faculties presented papers and the details are as follows.

- Ms.A.R.Revathi, AP on 'An Intelligent Robotic Home Security System'.
- Mr.K.Elaiyaraja, AP on the 'Employment Exchange Application for Android'.
- Ms.S.Sandhya, AP on 'Academia - An Android Application'.

Mr.K.Elaiyaraja, A.P and Ms.S.Sandhya, A.P, went on an Industrial Visit to the BSNL Chennai Telephones on 15th March 2016 at BSNL-DTTC, Chennai.

Ms.B.R.Shunmugapriya, A.P, participated in the one day FDP on the 'Assurance Faculty Connect Programme' held on 1st March 2016 at TCS, Siruseri, Chennai.

Ms.B.R.Shunmugapriya, A.P, Ms.S.Jeyalakshmi, A.P and Mr.K.Elaiyaraja A.P, participated in a two day FDP on the 'Compiler Design' conducted from 28th to 29th January 2016 at VEC.

Dr.N.Krishnaraj, A.P, participated in a two day FDP on 'Creative Thinking' conducted from 19th to 20th January 2016 organized by the ICT Academy of Tamil Nadu, B.S.Abdur Rahman University, Chennai.

Mr.R.Umanesan, A.P, participated in a two day FDP on the 'Design and Analysis of Algorithms' conducted from 13th to 14th January 2016 at VEC.

Ms.R.Meenakshi, A.P, participated in a two day workshop on the 'Outcome Based Education' conducted from 9th to 10th January 2016 organized by BMS College of Engineering, IUCEE and Inpods at Dr.D.Y.Patil Institute of Engineering and Technology, Pimpri, Pune.



Guest Lecture on the 'Data Mining and Its Applications'

A one day Guest Lecture on the 'Data Mining and Its Applications' was organized on 12.02.2016. Mr.J.Lakshmi Narayanan, CEO, Kaashiv Info Tech, Chennai, was the Resource Person.

The Department of Master of Computer Applications

The ICTACT organized an FDP on the 'Mobile Application Development' for its member institution Faculties from 18.01.16 to 22.01.16 at K.Ramakrishna College of Engineering, Trichy. Mr.C.Vijayakumaran, A.P participated in the programme.

Mr.S.K.Saravanan, A.P Mr.R.Prince Jeyaseelan James, A.P Mr.M.Asan Nainar, A.P Ms. D. Sridevi, A.P and Ms.G.Rekha, A.P of MCA Department went on an industrial visit to the Regional Meteorological Centre (RMC), Chennai on 20.01.2016.

Ms. G. Rekha, A.P attended a Faculty Development Programme for two days (24.01.16 and 25.01.16) on IBM BlueMix at Vellore Institute of Technology, Vellore.

Ms. G. Rekha, A.P, organized a Guest Lecture on the 'Recent Trends in Grid Computing' in association with VEC-CSI Student Branch, co-organized by IQAC, VEC on 09.02.2016. Mr. Ranga Bakthavathsalam, Principal Consultant, Hitachi Data Systems, Chennai was the Chief Guest.

Mr. V. Santhana Marichamy, A.P, organized a Guest Lecture on the 'Security in Computing' in association with VECCSI Student Branch, ICTACT and co-organized by IQAC, VEC on 04.03.2016. Dr.A.Jeyasekar M.E., Ph.D, Assistant Professor (S.G), Dept of Computer Science and Engineering, SRM University, was the Chief Guest. The Chief Guest addressed the security measures in computing and the various types of security attacks. He also discussed the comparative analysis of the different attacks in the IT industry over the last two years. He ended the session, focusing the latest research areas in IOT (Internet of Things), body area networks and SDN (Software Defined Networks).

The Department of Mechanical Engineering



Research Presentation on Development of Simplified Total Productive Maintenance System for Micro Industries and Its Implementation

As a part of the Technical Club of Mechanical Department, the following Faculties presented their research findings.

- Mr.G.Ananth, A.P on 'Total Productive Maintenance'.
- Dr.B.Gnanasundara Jayaraja on the 'Analysis of Mechanical Behaviour of AI-WC Nano Composites'.
- Dr.P.Mathivanan on the 'Impact Behaviour of Hybrid Aluminium - Glass Fibre Reinforced Micro Filler Plastic Laminates'.
- Dr.K.Sivakumar on the 'Recent Developments in the Gas Turbine Blade Cooling - Internally'.

A Guest Lecture in the name of 'Finite Element Method Implementation in Automotive Industry' was given by Mr.Mahaveeran Indirakumar, CAE Engineer, Benteler Engineering Chennai Private Limited., On 20.02.16.

The inauguration of SAE Collegiate Club was organized on 5th February, 2016. Mr.C.Pradeep, DGM, Vehicle Integration, Center of Excellence, Mahindra Research Valley, Mahindra and Mahindra inaugurated the Club. He also presented the 'Certificate of Recognition' to the Principal for the formation of SAE Collegiate Club in our College.



SAE Collegiate Club inauguration of Mechanical Department

Mr.R.Balsubramaniam, DGM, Program Management, Mahindra Research Valley, Mahindra and Mahindra elaborated the benefits of SAE Membership in this special address. Dr.B.Chidambara Rajan, the Principal, Dr.M.Murugan, the Vice Principal were present on that occasion.

Foundation Skills in the Integrated Product Development (FSIPD), Train- the Trainer Program, (an FDP) was conducted by Dr.T.V.Gopal Professor, DCSE, Anna University from 26.03.16 to 30.03.2016.

E-copy of 'VEC NEWS' is available online.
You may download.

Website : www.valliammai.co.in

The Department of Management Studies



FDP on Statistical Tools for Research

A Skill Development Programme on 'Developing and Managing Emotional Intelligence' was conducted by the Dept. of Management Studies on 13.01.2016. The session also included various skits performed by the Faculty members of the Dept. to reinforce the concepts in a practical approach.



Guest Lecture on the 'Failure Mode Effect Analysis'

One day Faculty Development Programme on the 'Statistical Tools for Research' was conducted on 12.02.2016. A total of 27 Faculty members from various colleges participated in the program. The forenoon session was handled by Dr.N.Viswanathan, Associate Professor, Presidency College.

A Guest Lecture on the 'Failure Mode Effect Analysis' was conducted on 04.03.2016. Mr. R. Balasubramanian, External Auditor, BSI India Limited delivered the lecture. The session was focused on creating awareness on the need for quality and the application of FMEA tools and techniques in the organizational context.

The Department of Chemistry



Dr. D.Prabhakaran delivering Lecture on the 'Engineering Materials'

Dr. J. Krishnamurthi gave a Poster Presentation at the 103rd Indian Science Congress held between 3rd and 7th January 2016 at University of Mysore, on the 'Catalytic Enantioselective Intermolecular Cycloaddition of α -diazo- β - ketoester-derived carbonyl ylides with aryl and alkoxy allenes using chiral dirhodium (II) carboxylates'.

Dr.J.Krishnamurthi along with Mr.R.Balaji, A.P organized a Guest Lecture on the 'Engineering Materials' on 16th March 2016. Dr.D.Prabhakaran, Associate Professor, Chemistry Division, VIT University, Chennai delivered the lecture.

The Department of English

Eclectic Lingus, English Literary Association conducted a workshop for the III year students on 'The Quest for Effective Communication - Creating the Landscape'. Mr.G.V. Sakthi Prasad, Freelance Trainee and Research Scholar from EFLU, Meghalaya conducted the session. The session was focused on the nuances that could take students closer to perfection in communication. Around 600 students participated in the workshop during the different sessions.



Winners of Linguathon with HOD-English and HOD-EEE

March 2nd witnessed an exuberant display of talents showcased by the I year students at 'Linguathon' II series, a marathon of competitions. Three competitions viz., Just A Minute, Collage Making and Reviewing were organized. Prof.N.Lakshmana Perumal, Head, Dept of English, Dr.K.Elango, Head, Dept. of EEE, Ms.L.Sujatha, A.P, Faculty of Management Studies were the judges for the events.

Burke Club, the platform to help students exhibit their Oratorical Skills had two sessions of competitions in February and March. Prof.N.Lakshmana Perumal,



Burke Club Participant getting Certificate of Appreciation from the HOD-MCA & HOD-English

Head, Dept. of English, Dr.V. Dhanakoti, Asso Prof, Dept of CSE and Ms.T.S. Sheriba, A.P, ECE were the judges for the competitions.

COMPETITIONS

S.Sadhana of II year IT and K.Kanagaraj of II year Civil Engg. won the consolation Prize of Rs.5,000/- each in the 'Mahaveer Award for Essays Competition' conducted in Chennai by Bhagwan Mahaveer Foundation on 05.02.2016.

T.Kanitha of CSE III Year won the first prize (Rs.3,000/-) and Ms.C.Anitha of EIE III Year, won the Consolation Prize in the essay competition organized by the National Productivity Council.

The Department of Physics

Guest lecture was delivered by Dr.M.Mandhakini, Assistant Professor, Centre for Nanoscience and Technology, Anna University on 'Nanocomposites and applications' on 18th March 2016.

Dr.H.Krishnan published a research paper on the 'Growth and low temperature Raman studies on a Non Linear optical potassium thiourea chloride single crystals' in Optik - International Journal for Light and Electron Optics, on 14th January 2016.



On the occasion of Guest Lecture on 'Nanocomposites and Applications'

Dr.M.Anbuechziyan presented a paper on 'Solvothermal synthesis of ZnO, micro/nano structures by using mixed solvents and their photocatalytic activity' in the 4th National Conference on Hierarchically structured materials [NCHSM 2016], held on 4th March 2016 organized by the Dept. of Physics, SRM University, Ramapuram Campus, Chennai.

Dr.M.Anbuechziyan was the judge for the paper presentation session [Physics] in the 8th National Level Technical Symposium, SIT SCIHUM-16 on 11th March 2016, organized by the Dept., of Physics, Sri Sairam Institute of Technology, Chennai.

Dr.K.Sarojini presented a research paper in the International Conference on the 'Recent Advances in Applied Sciences' held on February 2015 at St.Peter's University.

Dr.K.Sarojini published a research paper on the 'Dielectric Polarization and Kirkwood correlation factor of Hydrogen bonded Alcohols with Acetonitrile in benzene' in the International Journal: Imperial Journal of Interdisciplinary Research, Vol-2., Issue-3, pp-348-February 2016.

Dr.K.Sarojini published a research paper on 'Antimicrobial Activity of some Sulfonamide derivatives' in the Imperial Journal of Interdisciplinary research, Vol.2- issue4, pp-348-350, March 2016.

Dr.K.Thiruppathi was the judge for a paper presentation session on 'Understanding Weather and Climate' in the 23rd National Children Science Congress, a program of NCSTC, DST, Government of India, held on 31st January 2016, in SBOA [Junior College], Anna Nagar, Chennai.

Ms.D.Praveena, A.P and Ms.R.Sasireka, A.P attended a workshop on the 'Thin Film Characterization Basic Principles and Practices' on 21st February, 2016, in IIT Madras, Chennai.

Ms.M.P.RamyaRajan, A.P presented a paper on the 'Molecular interaction studies of some potentially important drugs in ethanol at 303K using Ultrasonic techniques' in the 4th National Conference on Hierarchically Structured Materials [NCHSM 2016], held on March 4th 2016, organized by the Dept., of Physics, SRM University, Ramapuram Campus, Chennai.

The Department of Placement and Career Guidance



Job Fair Inauguration

CHIRON Leadership Skills Pvt. Ltd., conducted Placement Training for the first and second year students from 27.01.2016 to 30.01.2016 and for the third year students from 19.01.2016 to 22.01.2016.

On 12th and 13th January 2016, Mrs.S.R.Preethi, A.P and Mr. Abhishek David John, A.P arranged a Faculty Development Programme for the newly joined teaching Faculties. The topics and Resource Persons are as given below.

- ❖ 'Achieving quality through noble profession' - Dr.A.Abdul Rasheed
- ❖ 'Soft skills for Teachers' - Dr. J.Padmini
- ❖ 'Language Focus' - Prof.N.Lakshmana Perumal
- ❖ 'Exam Cell Regulations' - Mr.G. Madhusudan, A.P & Mr.V.Santhana Marichamy, A.P
- ❖ 'Time Management' - Dr. Komala James
- ❖ 'Going beyond Classroom' - Ms. J.J.Monica Paul, Head - Placement.

On 13th February 2016, in the Job Fair organized by the Times of India and powered by CHIRON Leadership Skills Pvt Ltd, 69 students were selected for various companies that participated in the Job Fair.

On 13th January 2016, 1 student was selected for the CSS Corp.

On 4th February 2016, 1 student was selected for the HP.



Interview session in the Job Fair

On 3rd February 2016, 4 students were selected for the Wipro.

On 8th February 2016, 3 students were selected for the NTT Data.

On 11th February 2016, 5 students were selected for the CTS, on 14th February 2016, 3 students were selected for the Infosys and on 25th February 2016, 1 student was selected for the CADeploy Engineering Pvt Ltd in the off campus interview conducted by the Anna university.

The Department of Mathematics



MATHFEST2K16 - Olympiad

The Mathematics Association 'EULER.COM' organized by MATHFEST2K16 for the first year students to motivate them in applying the concepts of Mathematics in various fields of Engineering and Science. Around 270 students participated in various events organized by the Department.

A Guest Lecture on Random Process and its Applications' was organized by 'EULER.COM' on 9th March 2016. The fourth semester Electronics and Communications students attended the Guest Lecture. The lecture was given by Dr.S.Joshua David, M.Sc., M.Phil., Ph.D, Assistant Professor, Madras Christian College, Chennai 600059. The lecture discussed in detail



Guest Lecture on Random Process and its Applications'

about the concepts of Random Variables, Random Experiment and Random Processes.

NSS

153rd Birth Anniversary of Shri. Swami Vivekananda on 12.01.2016

The Vice-Principal garlanded the portrait of Shri. Swami Vivekananda and delivered a talk on his

philosophy. Then, T. Harish Kumar of II Year-EEE-1 spoke about his history and principles. He also pointed out, 'What is the purpose of life' and 'How to lead perfect life of harmony with nature' Devi K of II Year-EEE-1 spoke on his right path, teachings and explained 'how he groomed to become a better person in this world'. Mr.S.Parthasarathy, NSS Programme Officer proposed a vote of thanks.



153rd Birth Anniversary celebration of Shri Swami Vivekananda

Entrepreneurship Development Cell



Entrepreneurship Development Cell in association with the Computer Science and Engineering Dept. of Valliammai Engineering College organized a three day Entrepreneurship Awareness Camp sponsored by the 'Entrepreneurship Development Institute of India' (EDI) Ahmadabad, NST Entrepreneurship Development Board, DST, Govt. of India. It is a DST NIMAT Project (2015 -16) for the students fraternity on 3rd, 4th & 5th March 2016 with the objective to cultivate entrepreneurship spirit.

The Camp was inaugurated by Er.S.Sathish Kumar, Deputy Director, MSME, Chennai in the presence of Pro VC (P&D) Director SRM University, the Principal and the Vice Principal of Valliammai Engineering College.

Dr.Rosy Fernando, CEO of Startup Solutions explained that each person has to learn to see the whole picture instead of limiting one's perception and views.

On the 2nd day, 4th March 2016 an Entrepreneur Mr.N.Kumara Perumal, Joint Managing Director of Ganesh Cartons Private Limited explained the technical and commercial aspects pertaining to starting an SSI and running the Unit.

On the 3rd day Mr. E. Baskaran, General Manager, DIC Government of Tamil Nadu on deputation to EDII addressed the students. He helped to create an awareness on how to develop industries and the kind of assistance that is provided by the Government Organizations.

Mrs. Indira Ramanidharan, the President of Knowledge Tree Training Academy, Chennai explained to the student participants about the importance of communication process in business.

Mr.T.Balaji, Lead Auditor, BSI India Pvt. Ltd, addressed the students on the Importance of Creativity and Business Intelligence.

The participants were taken to the company for a visit and for a live interaction with the practising entrepreneurs.

Republic Day on 26.01.2016



67th Republic Day celebration at VEC

The 67th Republic Day was celebrated on 26.01.2016 by our NSS Unit. A.Bhuvaneshwari of II Year- EEE-1 delivered the welcome address. Mrs.R.Meenakshi HOD/IT, hoisted the National Flag and delivered a talk on the importance of the day. M.Yokhasri of I Year-ECE spoke on Dr. B.R.Ambedkar, the architect of our Indian Constitution. To create awareness on the occasion of the 6th National Voters' Day, S.Gowsalya of I Year-ECE highlighted the responsibility of voters. Then, a pledge with the theme 'Inclusive and Qualitative Electoral Participation' was made by Mr.S.Parthasarathy, NSS Programme Officer. Finally K.Vaishali of I Year ECE proposed a vote of thanks.



NSS Volunteers with Appreciation Certificates received from Anna University with the Principal, Vice Principal & NSS Programme Officer

National Youth Day

Our NSS students participated in the National Youth Day celebrated in Anna University on 27.01.2016.

Voters ID Special Camp

Voters ID Special Camp was conducted from 15.02.2016 to 22.02.2016. As per the directions from the Collectorate of Kancheepuram, Mr. S. Parthasarathy was appointed as the Nodal Officer and R. Madhan Kumar of II Year ECE and K. Aloysius of II Year EEE were appointed as College Ambassadors for the Special Camp. Many students and Staff were benefitted by this.

NSS Orientation Program

Mr.S.Parthasarathy, NSS Programme Officer participated in the NSS Orientation Program organized on 23.02.16 by the Anna University.

Digital India

The 'Digital India' was organized at Anna University on 25.02.2016. Our NSS Programme Officer and Volunteers participated in the programme.

- Two Volunteers attended the Personality Development Camp.
- Two Volunteers, R. Madhan Kumar of II Year ECE-2 and K. Devi of II Year EEE-1 of NSS unit of Valliammai Engineering College attended the Orientation Programme on 'Leadership and Soft Skills' held from 4th to 6th March 2016 at Erode Sengunthar Engineering College.

Special Camp from 22.03.2016 to 28.03.2016



A Special Camp at the Upgraded Primary Health Centre, and Public Union Middle School, Guduvanchery

National Service Scheme of Valliammai Engineering College conducted a Special Camp at the Upgraded Primary Health Centre, Guduvanchery and Public Union Middle School, Guduvanchery from 23.03.2016 to 28.03.2016. During the camp of 7 days, the volunteers rectified the defects in the 29 cots, 16 stretchers, 13 safety lockers, and 23 other medical equipment. Then, the damaged doors and windows were repaired.

They cleaned all the garbage, medical waste and scrap materials scattered in the Hospital campus, which is around 3 acres. They also redesigned the park with new tree saplings. The Gynecology ward was white washed and renovated. A new washing area measuring about 15' x 8' was newly constructed. In the middle school, a room was converted into the science laboratory with cuddappa stone. Tree saplings were planted in and around the school. The height of the compound wall was increased by 3 feet.



NSS Volunteers cleaning the Upgraded Primary Health Centre, and Public Union Middle School, Guduvanchery

At the end of the day, the NSS Volunteers took a pledge and participated in a signature campaign for cent percentage voting in the presence of RDO and Election Officer, Mr. R.Pannerselvam, the BDO, Mr. M.Murali, Chief Medical Officer, the Medical Officers, Panchayat Union Middle School Head Mistress & Students. The social activist and actor Mr. Irfan and the other activists in and around Guduvanchery and all the elite gathering appreciated the extraordinary efforts of the NSS Programme Officer Mr. Parthasarathy and the Volunteers. The programme ended successfully.



IQAC



The Director, Valliammai Society and the Principal in the NAAC quarterly meeting held at Valliammai Engineering College

The Cell has been reconstituted as per the guidelines provided by the NAAC. The Quarterly meeting was conducted on 30.03.2016. Suggestions were offered at all levels for improvement such as quality classroom teaching, Bloom's Taxonomy levels to the question banks, Faculty members' enrolment in different courses, enhancing research publications, motivating every one towards updating to the new trends and so on.

Tamil Mandram



Mr. M. Kurinchikotravan of II year Civil Engineering won the First prize (Rs.10,000/-) in the District Level Tamil Speech competition organized by the Dept of Tamil Development, Government of Tamilnadu on 27.01.2016. He won the special Prize in Tamil Oratorical competition organized by the Global Tamil Organization.

M.Kurinchikotravan of II year Civil Engineering, R.Madhivadhana of II year EEE, R.Shriveni of III year IT, M.Shamini of I Year IT and J.Lokesh of II year Civil Engineering were shortlisted for the finals in the Debate Competition

conducted by the Tamil Academy exclusively for the SRM Group of Institutions.



Ms.R.Thenmozhi, AP, Dept. of IT and Mr.K.Shanmugam, AP, Dept. of CSE attended the Kani Tamil Peravai Coordinators' Training programme on 25th and 26th February 2016 and received the participation certificates.



T.Kanitha, and J.Jayanthi of III Year CSE won the first prize (Rs.500/-) in the crossword competition organized by the Saral Tamil Mandram of SSN College of Engineering.

Value Added Courses

Value Added Courses were conducted outside regular hours on optional basis to provide an opportunity for the students to choose the courses according to their interest. The courses were offered to bridge the perceived technical competency gaps and to improve the employability prospects of the students. Students and Staff from various depts. were enrolled in the courses. 9 courses were conducted during the Odd Semester and 246 students participated in it. 13 Courses were conducted during the Even Semester and 375 students participated in the courses. In this semester, Software Analysis Using STAAD.PRO, Ethical Hacking and Cyber Security, PSPICE for Electronics Engineers, Embedded Systems, Virtual Instrumentation Using Lab VIEW, PERL, Industrial Automation, Integrated Marketing Strategies (IMS) for small business enterprises, Object Oriented Programming with C++, Financial Markets & Investment Strategies, Python Programming and The Finite Elements Method and Applications in Engineering Using Ansys were conducted.



Dr.B.Vanathi, Head, Dept. of CSE has attended the Academic Interface Programme 'Head Start HOD Meet 2016' in Sangam Meeting of Minds at TCS on 09.03.2016

Dr.B.Vanathi, Head, Dept. of CSE attended the Academic Interface Programme 'Head Start HOD Meet 2016' in Sangam Meeting Minds at TCS on 09.03.2016.

Ms.JJ Monica Paul, Head-Placement and Career Guidance participated in the Industry-Academia Partnership ACE 2016 conducted by WIPRO on 26th February 2016.



The Principal Dr.B.Chidambara Rajan attended the 45th ISTE Annual Convention & International Conference on Challenges & Opportunities in Technical Education in the Era of Sustainable Development organized by Shree Hanuman Vyayam Prasarak Mandal's College of Engineering and Technology, Amravati (M.S) from 09.01.16 to 11.01.16.



VALLIAMMAI ENGINEERING COLLEGE

(SRM Group of Institutions)

SRM Nagar, Kattankulathur - 603203.



Hearty Congratulations Anna University Rank Holders - 2015 BATCH

