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### MESSAGE FROM THE PRINCIPAL

*"Service to Human being is Service to God".*

Technical Education is the backbone of every nation and is the stepping stone for a country to move into the niche of a developed nation. Velallar Educational Trust has been contributing in the mission of transforming rural India into developed nation by running Velalar College of Engineering Technology at Erode, Tamilnadu (VCET) with innovation, creativity, human intelligence and patience.

The main focus of the Institution is to empower students with sound knowledge, wisdom, experience and training both at the academic level of Engineering and in the highly competitive global industrial market. The infrastructure facilities and state-of-the-art equipments combined with a galaxy of competent, talented and dedicated faculty contribute to an enjoyable and an easy learning experience. I wish all our students and faculty a successful and rewarding career.



### Faculty Development Training Programme (FDTP)

#### DEPARTMENT OF BIOMEDICAL ENGINEERING

A five day Faculty Development Training Programme (FDTP) on **"Biomedical Instrumentation"** was conducted from 8th June to 12th June, 2015. Dr.D.Kandasamy, MBBS, MD (Gen), Chairman, Sudha Institute of Medical Science (SIMS) hospitals, Erode was the chief guest for the Inaugural function.



VCET faculty members and Ms.K.Yasoda, Associate Professor / BME, Dr.NGPIT, Coimbatore were the resource persons. Totally 27 participants from colleges in and around the Erode attended the programme.

#### DEPARTMENT OF CIVIL ENGINEERING



A self sponsored three days FDP on **CE 6502 Foundation Engineering** during 18th to 20th June, 2015 in our institution. Thirty one external faculty members from various engineering college got benefitted.

The programme started with an inaugural function presided by our secretary & Correspondent. **Dr.P.D.Arumairaj** Professor & Head / Division of Geotechnical Engineering, Department of Civil Engineering, Government College of Technology, Coimbatore delivered the inaugural address. The syllabus of **CE6502 Foundation Engineering** was fully covered by external and internal faculty members and tutorial classes were conducted in the afternoon section. At the end of the Third day, the programme concluded with the valedictory function. This program was convened by Dr.E.Ravi, Prof. & Head and coordinated by Mr.C.Karthik, Asst. Prof., VCET.

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### FDP ON TRANSMISSION LINES AND WAVE GUIDES

An IETE sponsored 3 days FDTP on EC6503 - Transmission Lines and Wave Guides was organised from 17.06.2015 to 19.06.2015. The Chief Guest Dr.P.Dhanajayan, Professor & Dean, Pondicherry Engineering College inaugurated the programme. Principal Dr.M.Jayaraman, Dean (Academics) Prof.L.Peter Stanley Babington, and Dean (Student Affairs) Prof.P.Jayachandar gave special addresses. More than 40 faculties from various institutions participated. Various professors from reputed Institutions have delivered the Lectures.



### FDP ON DIGITAL PRINCIPLES AND DESIGN USING VERILOG HDL



An ISTE Sponsored 5 days FDTP on Digital Principle and System Design was organised from 16.06.2015 to 20.06.2015. The resource persons for the FDTP were Dr. A. Senthil Kumar, Professor and Head, Department of EEE, Dr. Mahalingam College of Engineering and Technology, Pollachi and Dr. Sharmila, Professor and Head, Department of EIE, Bannari Amman Institute of Technology. More than 30 faculties from various institutions participated in the FDTP.

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

A seven day Anna University approved FDTP on EE 6302 Electromagnetic Theory was organised during 10-16 June, 2015. Twenty external faculty members and five internal faculty members participated in the programme. The programme was inaugurated on 10.06.2015 by Dr.I.Thangaraj AP/EEE, Govt. College of Engg; Bargur Principal Dr.M.Jayaraman presided over by the function. Prof.L.Peter Stanley Babington, Dean (Academics) and Prof.P.Jayachander, Dean (Student Affairs) felicitated the gathering. The syllabus of EE6302 Electromagnetic theory was fully covered by external and internal faculty members and tutorial classes were conducted for each unit. A site visit has been arranged to see the magnetic field set up and testing of transformers and motors at M/S Arul Electrical Works, Erode on 13.06.2015. The programme concluded with the valedictory function with the presence of Principal and the chief guest Prof.J.S.Chirsty Manoraj, AP/EEE, Govt. College of Engg, Salem. The FDTP was coordinated by Dr.M.Srinivasan and Dr.P.Sakthivel.



## DEPARTMENT OF ENGLISH



To keep up with the ever increasing demand for exchange of ideas, and expressing oneself effectively and to enhance the self development of the teaching community, Department of English, Velalar College of Engg. & Technology conducted a two day Faculty Development Programme (FDP) on Communication on 24th and 25th July, 2015. The programme is specially designed to focus on the pedagogical development of academic community and encourage individual teachers to develop various competencies and self-efficacy in teaching

profession. The training sessions helped the participants to learn and develop various competencies required to be an effective teacher and academician. Another objective of the programme is to impart training on effective educational leadership skills and competencies to introduce innovative methods of teaching - learning in classes.

**FACULTY ACTIVITIES****DEPARTMENT OF INFORMATION TECHNOLOGY**

S.No	Name of the Faculty	Event	Title	College	Date
1	Dr.S.Jabeen Begum	FEP	Virtual Learning	VCET	30.04.15
2	Ms.S.Suganya	FEP	Virtual Learning	VCET	30.04.15
3	Ms.S.Suganya	FEP	Virtual Learning	VCET	30.04.15
4	Ms.R.Maheshwari	FEP	Virtual Learning	VCET	30.04.15
5	Dr.S.Jabeen Begum	ISTE sponsored FDP	Design of Algorithms	SSM Engineering College, Salem	29.06.15 – 03.07.15
6	Ms.T.Premamala	ISTE sponsored FDP	Design of Algorithms	SSM Engineering College, Salem	29.06.15 – 03.07.15
7	Ms.S.Viveka	ISTE sponsored FDP	Design of Algorithms	SSM Engineering College, Salem	29.06.15 – 03.07.15
8	Ms.L.Viji	ISTE sponsored FDP	Design of Algorithms	SSM Engineering College, Salem	29.06.15 – 03.07.15
9	Ms.V.Kavitha	Infosys Campus Connect FEP 4.0		Angel College of Engineering and Technology, Tirupur	29.06.15 – 03.07.15
10	Ms.L.Viji	Infosys Campus Connect FEP 4.0		Angel College of Engineering and Technology, Tirupur	29.06.15 – 03.07.15
11	Ms.S.Viveka	ISTE sponsored one week FDTP	Digital Principles and Design using Verilog HDL	VCET	16.6.15 - 20.6.15
12	Ms.T.Premamala	ISTE sponsored one week FDTP	Digital Principles and Design using Verilog HDL	VCET	16.6.15 - 20.6.15
13	Ms.R.Mynavathi	ISTE sponsored one week FDTP	Digital Principles and Design using Verilog HDL	VCET	16.6.15 - 20.6.15
14	Ms.K.Vijaya	ISTE sponsored one week FDTP	Digital Principles and Design using Verilog HDL	VCET	16.6.15 - 20.6.15
15	Ms.R.Maheshwari	ISTE sponsored one week FDTP	Digital Principles and Design using Verilog HDL	VCET	16.6.15 - 20.6.15
16	Ms.L.Viji	ISTE sponsored one week FDTP	Digital Principles and Design using Verilog HDL	VCET	16.6.15 - 20.6.15

**DEPARTMENT OF MECHANICAL ENGINEERING****LABORATORY TRAINING ATTENDED BY FACULTY MEMBERS**

All the faculty members attended a two day hands on training programme on ANSYS 15.0 by Innovent Engineering Solutions Pvt. Ltd. on 08th -9th April 2015.

S.No	Staff Name	Programme Attended	Venue	Date
1	S. Velumani	Two weeks summer school on “Manufacturing Engineering”	Coimbatore Institute of Technology, Coimbatore	09.05.2015 to 23.05.2015
2	D.Senthil Kumar	AICTE sponsored summer school programme on “Computer Aided Product Design”	SSN College of Engineering, Chennai	15.06.2015 to 27.06.2015

**DEPARTMENT OF COMPUTER APPLICATIONS**

S.No	Name of the Faculty	Event	Title	College	Date
1	Dr.K.R.Ananth	FEP	Virtual Learning	VCET	30.04.15

## STUDENT ACTIVITIES

### DEPARTMENT OF CIVIL ENGINEERING

#### SURVEY CAMP

The survey camp for fifth semester students (2013-2017) has been arranged during 08th to 13th May 2015 at Karaparai Village, Erode Taluk and District. During the survey camp various types of surveys like plane table survey, triangulation survey, block contouring, radial contouring LS and CS of roads and electronic survey using Total station survey and GIS are carried out.



### DEPARTMENT OF MECHANICAL ENGINEERING

#### IN PLANT TRAINING

S.No	Name of the Students	Class	No of Students Attended	Name of the Company	Date
1	R. Karthikaiselvan R. Lingeshwaran	Third year	2	Periyasamy Hydraulic Equipments	04.06.2015 to 10.06.2015
2	R. Lingeshwaran	Third year	1	Sri Balaji Workshop, Kunnathur.	12.06.2015 to 18.06.2015
3	K. Dhinesh C. Pavithran T. Dineshkumarraja A. Dhanabal S. Dhanasekaran	Second year	5	Agni Steels Private Limited, Erode.	22.06.2016 to 25.06.2015
4	S. Srinivasan	Second year	1	T V Sundram Iyengar & Sons Limited, Salem.	08.06.2015 to 13.06.2015
5	S.K. Vinoth	Third year	1	Vinayagar Development Engineering, Chennai.	21.05.2015 to 30.05.2015
6	A. Karthikeyan V. Balaji	Second year	2	Shashti Car Private Limited, Tiruppur	25.05.2015 to 30.05.2015
7	K.A. Selvamani	Second year	1	Ashok Leyland, Hosur	01.06.2015 to 06.06.2015
8	P. Shrinesh R. Udhaya Kumar M. Kathiresh	Second year	3	Tamilnadu State Transport Corporation Ltd, Erode	03.06.2015 to 12.06.2015
9	T. Dinesh Kumar Raja	Second year	1	Ashok Leyland, Hosur	06.07.2015 to 11.07.2015

## ASSOCIATION ACTIVITIES

### DEPARTMENT OF BIOMEDICAL ENGINEERING

The Department of Biomedical Engineering in association with Biomedical Engineering Society of India & Starcom Information Technology Ltd., Bangalore, conducted a Hands - on -training on Labview during 22nd & 23rd June 2015, for the faculty members from the Departments of BME, Mech. Engg. & EEE.

## DEPARTMENT OF INFORMATION TECHNOLOGY

### ASSOCIATION INAUGURAL FUNCTION

The Association of Information Technology- INFOAUXANO was inaugurated by Mr.M.Kathirvel, Senior Product Support Engineer, Msys Technologies, Chennai on 06.07.15 in the presence of Dr. M. Jayaraman, Principal, Prof. L.Peter Stanely Bebington, Dean(Academics), Prof.P.Jayachandar, Dean(Student Affairs), Prof.L.M.Palanivelu, Dean(Placement) & HOD/CSE, Dr.S.Jabeen Begum, HoD/IT and faculty members. He motivated the students to innovate new ideas in the field of cloud computing and web technologies. He also encouraged the students to make use of opportunities available in the corporate sector.

### GUEST LECTURE

A guest lecture on “Web Technologies and cloud Scalability” was arranged on 06.07.15. The Chief Guest of this seminar was Mr.M.Kathirvel, Senior Product Support Engineer, Msys Technologies, Chennai. This seminar helped the students to have an insight in to web technologies and explore opportunities in cloud environment.

### CONSULTANCY / TESTING ACTIVITIES

S.No	Activity	Amount generated (Rs)	Faculty Incharge (VCET)
1	Consultancy & Testing In Soil Mechanics	30,000/-	Dr.E.Ravi, Prof. & Head
2	Analysis and Design of an Panchayat Office Building at Aval Poondurai, Erode	10,000/-	Dr.E.Ravi, Prof. & Head, Mr.C.Karthik, Asst. Prof., Mr.K.S.Shivanantham, Asst. Prof.,
3	Testing of Reinforcing bars in Strength of Materials Lab	7200/-	Mr.K.S.Shivanantham, Asst. Prof.,
4	Testing of concrete cubes and bricks in Concrete lab	4650/-	Mr.C.Karthik, Asst. Prof.,
5	Testing of water in Environmental Engineering Lab	900/-	Mr.D.Sathival, Asst. Prof.,
<b>Total - 5270/-</b>			

### PUBLICATIONS BY FACULTY

#### Department of Biomedical Engineering

**Dr.S.Mangai**, “Energy Efficient Optimized Sleep Scheduling and Target Prediction in Wireless Sensor Network” International Journal of Applied Engineering Research(IJAER), Volume 10,Number 52, 2015.

**Dr.S.Mangai**, “Energy Efficient Multihop Quality Path Based Data Collection in Wireless Sensor Network”, International Journal of Applied Engineering Research(IJAER), Vol.10, No. 52, 2015.

**Dr.S.Mangai**, “Authentication Using Face and Ear Recognition Based on Principal Component Analysis”, International Journal of Applied Engineering Research(IJAER), ISSN :0973-4562 Vol. 10, No. 9 , pp.8689-8693, 2015.

#### Department of Computer Science and Engineering

**S.Sadash**, “Effective Filtering of Query Result on Updated User Behavioral Profiles in Web Mining”, The Scientific World Journal, Vol. 2015, May 2015, ISSN: 1537-744X (Anx – I).

**Dr.L.M.Palanivelu**, “Improvement in Detection of Chicken Egg Fertility Using Image Processing Techniques”, International Journal on Engineering Technology and Sciences, Vol. 2, Issue No. 4, April 2015, ISSN (O) : 2349-3976.

**Dr.R.Sivaraj**, “Traffic Incident Detection using Weighted Durable Queries”, International Journal on Engineering Technology and Sciences, Vol. 2, Issue No. 4, April 2015, ISSN (O) : 2349-3968.

**Dr.R.Sivaraj**, “Semi Global Matching on Mining Weakly Labeled Web Facial Image for Face Annotation”, International Journal on Engineering Technology and Sciences, Vol. 2, Issue No. 4, April 2015, ISSN(O) : 2349-3976.

- Dr.V.K.Manavalasundaram**, "Resistance of DOS Attack in Network Coding Using Node Authenticity", International Journal on Engineering Technology and Sciences, Vol. 2 , Issue No. 4, April 2015, ISSN (O) : 2349-3976.
- V.Lathajothi**, "Efficient Retrieval and Identification of Individuals Using Level 3 Features with Clustering Approach", International Journal of Applied Engineering Research, Vol 10, Issue No. 20, March 2015, ISSN (O) : 0973-4562.
- V.Lathajothi**, "A Software Based Approach for Fake Biometric Detection", International Journal on Engineering Technology and Sciences, Vol 2 , Issue No. 4, April 2015, ISSN (O) : 2349-3976.
- T.Sathishkumar**, "Privacy Preservation In Horizontally Distributed Database Using Logarithmic and Exponential Techniques ", International Journal on Engineering Technology and Sciences, Vol. 2 , Issue No. 4, April 2015, ISSN(O) : 2349-3976.
- M.Shanthamani**, "Secured Deduplication Mechanism Under Cloud Backup Services", International Journal of Intellectual Advancements and Research in Engineering Computations, Vol. 3 , Issue No. 5, May 2015, ISSN (O) : 2348-2079.
- S.Kayalvili**, "A Capable Resource Sharing for Cloud Computing Based on Dynamic Scheduling Priority Algorithm", International Journal on Engineering Technology and Sciences, Vol. 2 , Issue No. 4, April 2015, ISSN(O) : 2349-3976.
- C.Selvi**, "Ensure Data Privacy in Back Propagation Neural Network Learning over Encrypted Cloud Data", International Journal of Innovative Research in Computer and Communication Engineering, Vol. 3 , Issue No.5, 2015, ISSN (O) : 2320-9801.
- C.Selvi**, "Data Privacy Management in Neural Network Based Private Data Classification Using Cloud Resources", International Journal of Intellectual Advancements and Research in Engineering Computations, Vol.3, Issue No.5, May 2015, ISSN (O) : 2348-2079.
- M.MohanaSundari**, "Dynamic Data and Policy Based Access Control Scheme for Relational Data", International Journal of Innovative Trends and Emerging Technologies, Vol. 1, Special Issue No.2, May 2015, ISSN (O) : 2349-9842.
- P.Suganthi Malarvizhi**, "Resistance of DOS Attack in Network Coding Using Node Authenticity Minimizing Data collection Latency in Wireless Sensor Networks having Mobile Elements", International Journal on Engineering Technology and Sciences, Vol. 2 , Issue No. 4, April 2015, ISSN (O) : 2349-3976.
- R.Kavitha**, "Mobile Phone Based Roadway Transport System Using Participatory Sensors", International Journal on Engineering Technology and Sciences, Vol. 2 , Issue No. 4, April 2015, ISSN (O) : 2349-3976.
- S.Sadesh**, "Embedding Data Protected Distance Based Mining in Steganography", International Journal of Intellectual Advancements and Research in Engineering Computations, Vol. 3, Issue No. 5, May 2015, 2348-2079.
- S.Sadesh**, "Survey on Automatic Clustering Based Updation of User Behavioral Profiles for Personalized Search Result on Web", International Journal on Engineering Technology and Sciences, Vol. 2 , Issue No. 5, June 2015, ISSN (O) : 2349-3976.
- M.Sakthi Meena**, "An Efficient Iterative Framework for Semi-Supervised clustering Based Batch Sequential Active Learning Approach", International Journal of Innovative Research in Computer and Communication Engineering, Vol.3, Issue No. 4, April 2015, ISSN (O) : 2320-9801.
- S.Savitha Karpagam**, "Watermarking Technique Based on Transform Domain for Copyright Protection", International Journal of Current Research, Vol. 7 , Issue No. 4, pp ,April 2015, ISSN : 0975-833X.
- S.Savitha Karpagam**, "Searching on Encrypted Cloud Documents Using Keywords", International Journal of Innovative Research in Computer and Communication Engineering, Vol. 3, Issue No. 5, May 2015, ISSN (O) : 2320-9801.
- Department of Electronics and Communication Engineering**
- Dr.K.R.Valluvan**, "VLSI Implementation of Area Efficient Fast Parallel FIR Filters Based on Fast FIR Algorithm", IOSR Journal of VLSI and Signal Processing, Vol. 5, May 2015,pp: 2319-4197.
- Dr.K.R.Valluvan**, "Improvement of Time Response for Sensor less Control of BLDC Motor Drive Using Ant Colony Optimization Technique", International Journal of Applied Engineering Research, Vol.10, June 2015, pp. 3519-3524.
- Dr.K.Venkatachalam**, "A High Speed and Low Voltage Dynamic Latched Comparator for Analog to Digital Converter", International Journal of Innovative Research in Science, Engineering and Technology, Vol. 3, June 2015, pp. 2347-3207.
- Dr.K.Venkatachalam**, "Design and Analysis of Level Converting Flip Flop for Low Power Applications", International Journal of Innovative Research in Science, Engineering and Technology, Vol.3, July 2015, pp. 2347-3208.
- M.Nisha Angeline**, "Analysis and Design of PHOTON Protocol Architecture In High Speed Applications", IJSRD - International Journal for Scientific Research & Development, Vol. 3, May 2015, pp. 1420-1422.
- M.Nisha Angeline**, "Improvement of Speed In Light Weight Cryptographic Algorithm - Spongnet Family", IJSRD - International Journal for Scientific Research & Development, Vol. 3, May 2015, pp. 1409-1412.
- M.Nisha Angeline**, "Design of High Speed VLSI Architecture for Quark Family", IJSRD - International Journal for Scientific Research & Development, Vol. 3, May 2015, pp. 3439-3442.
- K.SenthilPrakash**, "Genetic Algorithm for Power Aware Multicast Routing", IJSRD - International Journal for Scientific Research & Development, Vol.3, May 2015, pp. 3442-3445.
- S.Rajan**, "Power Optimization Using Square Root Carry Select Adder", Transactions on Engineering and Sciences (TES), Vol. 3, March 2015, pp. 2347-1964.

**P.Senthil Kumar**, "PMSM Speed Regulation System Using Non-Linear Control Theory", International Journal of Science and Research, Vol. 3, May 2015, pp. 1342-1346.

**K.S.Murugesan**, "Advanced Vehicle Tracking System with Display unit", International Journal of Science and Research, Vol. 3, May 2015, pp.2990-2993.

**V.Gowri Shankar**, "A High Speed and Low Voltage Dynamic Latched Comparator for Analog to Digital Converter", International Journal of Innovative Research in Science, Engineering and Technology, Vol. 3, June 2015, pp.2347-3207.

**V.Gowri Shankar**, "Design and Analysis of Level Converting Flip Flop for Low Power Applications", International Journal of Innovative Research in Science, Engineering and Technology, Vol. 3, July 2015, pp. 2347-3208.

**S.Sindhu Meenakshi**, "Implementation of HC2D Barcode Reader in Real Time Application", CiiT International Journal of Digital Image Processing, Vol. 7, April 2015, pp.65-68.

**S.Sindhu Meenakshi**, "Embed the HC2D Barcode Reader in Android Mobile Phone", International Journal for Scientific Research & Development, Vol.3, May 2015, pp.1018-1021.

**M.Parimala Devi**, "Survey on Sub-threshold and Gate Leakage CurrSents of 6T, 7T, 8T, 9T, 10T and 11T SRAM cell structures", International Journal of Applied Engineering Research, Vol.3 May 2015, pp.69-73.

#### **Department of Electrical and Electronics Engineering**

**K.Vanchinathan**, "Improvement of Time Response For Sensor Less Control of BLDC Motor Drive Using Ant colony optimization technique", International Journal of Applied engineering research, Vol.10, ISSN-0973-4562, pp. 55, June 2015.

**S.K.Manikandan**, "Smart Sensors For Industrial Monitoring In lot Environment", International Journal of Electrical and Electronics Research, Vol. 3, Issue No.2,ISSN 2348-6988, pp. 545-550, April 2015.

#### **Department of Information Technology**

**R.Mynavathi**, "An Insight Into Recent Developments Towards Privacy Preserving Techniques For Secure Data Mining", International Journal of Applied Engineering and Research(IJAER), Vol.10, Issue No.38, pp. 28406-28410, 2015

**R.Menaka**, "XML Web Services Certification For Improving Security Level On E-business Transaction", International Journal of Applied Engineering and Research(IJAER), Vol.10, Issue No.38, pp.28705-28711, 2015.

#### **Department of Mechanical Engineering**

**Dr.R.Kumaravelan**, et. al, "Study on Mechanical Properties of Hybrid WovenFibre Reinforced Polymer Composite", International Journal of Applied Engineering Research, Vol.No: 10, Issue No. 50, pp.139-147, 2015.

**S.Shankar** and **D.Kesavan**, "Wear Prediction of The Lumbar Total Disc Replacement using Finite Element Method", Journal of Mechanics in Medicine and Biology, Vol. 16, Issue No: 1, pp 1650004 (12 pages), 2015.

#### **Department of Mathematics**

**K.Rathi, S.Balamohan, P.Shanmugasundaram, M.Revathi**, "Fuzzy Row Penalty Method to Solve Assignment Problems with uncertain parameters "Global Journal of Pure and Applied Mathematics, Vol.11, Issue No.1, pp. 39 to 44, June 2015.

**C.S.Gowri**, "Completely Generalized Alpha Continuous Mappings in Intuitionistic Fuzzy Topological Spaces", Annals of Fuzzy Mathematics And Informatics, Vol.9, Issue No.9, pp.733 to 743, May 2015.

#### **Department of Physics**

**Dr.D.Sasikumar**, "A Comparative Study of Sodium Hypophosphite and Phosphorous Acid on the Ferrous Tungsten Phosphorous Thin Films" Journal Of Optoelectronics And Advanced Materials, Vol. 17,pp.597-601, May-June 2015.

**Dr.N.Thangaraj**, "A Comparative Study Of Sodium Hypophosphite And Phosphorous Acid On The Ferrous Tungsten Phosphorous Thin Films" Journal Of Optoelectronics And Advanced Materials, Vol. 17, pp. 597-601, May-June 2015.

#### **Department of Chemistry**

**Dr.N.Krishnaveni**, "Adsorptive Removal of Lead(ii) from an Aqueous Solution by Chemically Modified Cottonseed Cake", Research on Chemical Intermediates, Vol. 41, 2015.

**Dr.N.Krishnaveni**, "Studies on the Removal of Ni (ii) from Aqueous Solution by Activated Carbon Developed from Cottonseed Cake Activated with Sulphuric Acid", International journal of chemical sciences, Vol.13, pp. 817-829, 2015.

#### **Department of Management Studies**

**Dr.T.Vetrivel**, "A Study on Open Erp for Start-Up SMEs", PARIPEX - Indian Journal of Research, Vol.4, Issue No.6, pp 355-356, ISSN: 2250-1991, June'2015.

#### **Department of Computer Applications**

**Dr.P.Navaneetham & Dr.K.R.Ananth**, "A Modified Contour Data Approximation Loom for Binary Images", International Journal of Applied Engineering Research, ISSN 0973-4562, Vol. 10, pp. 28325-28328, May 2015.

**P.Vijayakumar**, "Mining of Secured Data in Cloud Data Centers", International Journal of Applied Engineering Research, Vol. 10, pp. 28578- 28583, May 2015.

**P.Rajendran**, "An Insight Into Recent Developments towards Privacy Preserving Techniques for Secure Data Mining", International Journal of Applied Engineering Research, ISSN 0973-4562, Vol. 10, pp. 28406- 28410, May 2015.

**M.Aruna, Dr.V.Srinivasan**, "A Fuzzy Approach to Replace the Missing Data in Large Dataset", International Journal of Applied Engineering Research, ISSN : 0973-4562, Vol. 10, pp. 28312-28317, May 2015.

**S.Devisuganya, Dr.M.Gomathi**, "An Investigation on Breast Cancer Detection Using Mammogram Images", International Journal of Applied Engineering Research, Vol. 10, pp. 28411-28416, May 2015.

## CONFERENCE/LECTURES/SEMINARS/KEYNOTE ADDRESS DELIVERED BY FACULTY MEMBERS IN OTHER & HOST INSTITUTIONS

### Department of Biomedical Engineering

**Dr.S.Mangai**, Prof. & Head was the keynote speaker for the following programmes:

1.AICTE sponsored Faculty Development Program on “Recent Trends in Wireless Communications and Evolution of Simulation Tools” from 11th to 23rd May 2015, organized by the Dept. of ECE, VNRVJIT, Hyderabad. She delivered a talk in the topic “**Security issues in Wireless Networks**” on 22.5.2015

2.Faculty Development Program on Biomedical Instrumentation from 8th June to 12th June 2015, organized by the Dept. of BME, VCET, Erode-638012.She delivered a talk on the topic “**Amplifiers**” on 8.6.2015.

3. Faculty Orientation Programme conducted during 16.6.2015 and 17.6.2015, organized by the HRD Cell, VCET. She explained the “**Academic Practices in our Campus**” on 17.6.2015

The following faculty members are invited as resource persons for FDTP from 8.6.2015 to 12.06.2015 on Biomedical Instrumentation by the Department of BME and they delivered lectures on the following topics:

a)**Dr.N.Jeyashanthi**, Professor, on Cell and its Structure and Nervous System - An Insight on 08.06.2015 and Blood Gas Analysis on 10.06.2015

b)**Mr.P.Ravikumar**, Assistant Professor (Sr.Gr.), on Radio graphic and Fluoroscopic Techniques and Computer Tomography on 10.06.2015 & MRI on 11.06.2015

c)**Mr.R.Prabu**, Assistant Professor (Sr. Gr.) ,on ESR, GSR, Nerve and Muscle Stimulator on 10.06.2015 & Ventilators and Heart Lung Machine on 12.06.2015.

d)**Mr.N.N.Baalakumar**, Assistant Professor, on Cardiovascular system and Respiratory system on 08.06.2015 & Pacemakers and Defibrillators on 11.06.2015.

e)**Ms.K.S.Kausalyadevi**, Assistant Professor, on Ultrasonography on 11.06.2015 & Audiometers on 12.06.2015.

f)**Mr.M.Preethi**, Assistant Professor, on ECG, EEG on 09.06.2015 & Cardiovascular and Pulmonary Measurements on 10.06.2015.

g)**Ms.G.Kanimozhi**, Assistant Professor, on Electrodes on 09.06.2015

h)**Ms.T.Kalpna Devi**, Assistant Professor, on Transducers on 08.06.2015

i) **Mr.S.Vigneshwaran**, Assistant Professor, on Electrical Safety on 09.06.2015 & Different types of Biotelemetry Systems and Patient Monitoring on 11.06.2015

j) **Ms.T.Yamuna Rani**, Assistant Professor on EMG, ERG on 09.06.2015

## NATIONAL CONFERENCE

### Department of Civil Engineering

**Dr.E.Ravi**, Prof. & Head and **Mr.S.Suresh**, Asst. Prof., presented a paper titled “Corrosion Studies and Effects on Nanosilica” in National Conference on “Recent Trends in Cement and Concrete Composites for Structural Systems” organized by N.S.N college of Engineering and Technology, Karur on 12th April 2015.

## INTERNATIONAL CONFERENCE

### Department Of Information Technology

**Ms.R.Menaka**, presented a paper entitled “XML Web Services Certification for Improving Security Level on E-Business Transaction” in the International Conference ACCCAS-2015 conducted by Al-AMeen Engineering College on 10.04.15 & 11.04.15.

## AWARD OF Ph.D



**Prof.P.Shanmugasundaram** completed PhD in Applications of Intuitionistic Fuzzy Sets in Decision Making from Anna University, Chennai in June, 2015. He is working in Velalar College of Engineering and Technology from Sep 2005 onwards and currently he is working as Associate Professor in the Department of Mathematics. He has over 18 years of teaching experience. He has published 4 research papers in International journals and has presented 3 papers in National and International conferences. His research interest includes Fuzzy logic, Fuzzy Soft Sets, Intuitionistic Fuzzy Sets, Intuitionistic Fuzzy Soft Matrix and their applications.

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