

# VRSCET

*News Letter*

Voice of V.R.S. College of Engineering and Technology



## BEST ISTE FACULTY ADVISOR AWARD

Ms.S.Jayalilly, Associate Professor / Department of ECE, was awarded BEST ISTE FACULTY ADVISOR AWARD 2015 for her significant contribution to the Growth of Technical Education through ISTE Chapter level activities, held at 18<sup>th</sup> Annual Convention 2015 at KPR Institute of Engineering and Technology, Coimbatore.

## ISTE CHAPTER BEST STUDENT AWARD

Our student Mr. S. Anbarasan of final year Mechanical Engg. had been awarded ISTE CHAPTER BEST STUDENT AWARD for the year 2015 in 15<sup>th</sup> ISTE Annual Convention - 2015 (TN & P Section) at Anand Institute of Higher Technology, Chennai on 13<sup>th</sup> February 2016.



# V.R.S. College of Engineering and Technology

(Accredited by NAAC and an ISO 9001 : 2008 Recertified Institution)

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## Department of Mechanical Engineering

### Association (TheAME) Activities:



- ❖ National level seminar was conducted jointly with ISTE on 29<sup>th</sup> July 2015. Mr.V.Rajasekaran, Managing Partner, Hi-Tech Engineers, Puducherry delivered a guest lecture on “CNC Machine Shop”.
- ❖ TheAME organised a National level technical symposium “Mechzride-15” in association with ISTE on 8<sup>th</sup> August 2015. The inaugural address was given by Dr.N.Kulasekharan, AGM, Fiat Chrysler Automobiles, Chennai.

### Staff Activities:

#### Faculty pursuing higher studies:

- ❖ Mr.R.Ravisankar, Associate Professor is pursuing his Ph.D. in Pondicherry University.
- ❖ Mr.S.Shanmugasundaram, Associate Professor is pursuing his Ph.D. in Anna University.

#### Workshop Participations:

- ❖ Mr.R.Ravisankar, Head of the Department attended three days National level conference on “Refrigeration and Air Conditioning” at Rajalakshmi Engineering College, Chennai on 28<sup>th</sup> to 30<sup>th</sup> October 2015.
- ❖ Mr.P.Sarangapani, Mr.D.Sathishkumar and Mr.S.Sivaguru, Assistant Professors attended one week Faculty Development Programme on “Bio Energy Conversion System Modeling and

Simulation” at Pondicherry Engineering College, from 14<sup>th</sup> to 18<sup>th</sup> December 2015.

- ❖ Mr.C.Panneerselvam, Mr.M.Gopala Krishnan, Mr.S.GaudhamBabu and Mr.R.Dinakaran, Assistant Professors attended one week Faculty Development Programme on “Thermal Engineering” at University College of Engineering, Villupuram from 14<sup>th</sup> to 21<sup>st</sup> December 2015.
- ❖ Mr.N.Ejournale, Assistant Professor attended one day National level workshop on “The Art of Writing Research Paper” at Kongu Engineering College, Erode on 19<sup>th</sup> December 2015.

### Paper Publications :

- ❖ Mr.R.Ravisankar, Associate Professor, published a research paper on “Thermal performance improvement of Tractor Radiator using CUO / Water Nanofluid (Annexure-II)” in the Wiley online library, DOI: 10.1002/htj.21198 in September 2015.
- ❖ Mr.P.Sarangapani, Assistant Professor published a research paper on “Mechanical and Tribological analysis of Sic and Flyash reinforced Aluminium 6063 Metal Matrix Composites ” in the International Research Journal in Advanced Engineering and Technology , ISSN:2454-4752, pp:652-658 in October 2015.
- ❖ Dr.G.Perumal, Professor published a research paper on “Wear studies on Plasma-Sprayed Al<sub>2</sub>O<sub>3</sub> and 8 mole% of Yttrium-Stabilized ZrO<sub>2</sub> Composite Coating on Biomedical Ti-6Al-4V Alloy for Orthopaedic Joint Application” in the International Journal of Nano medicine, ISSN:1178-2013, pp:213-222 in October 2015.
- ❖ Mr.S.Sivaguru and Mr.D.Sathesh Kumar, Assistant Professors published a research paper on “Study and Synthesis of Titanium Nanotube Arrays at High Temperature by Electrochemical

Method” in the International Journal of Current Engineering and Technology, ISSN: 2277-4114, pp: 3743-3747 in December 2015.

### **Students Activities:**

#### **Technical Events:**

- ❖ Mr.S.Anbarasan and Mr.A.Boopathy of Final year presented a paper on “Salt Water Powered Vehicle” and Mr.S.Shyamsrinarayanan and Mr.R.Muthukrishnan of final year presented a paper on “Eco-friendly Silencer” at Adhiyamaan College of Engineering, Hosur on 8<sup>th</sup> September 2015.
- ❖ Mr.A.Elumalai, Mr.R.Sasikumar and Mr.D.Antony cherispin of third year presented a paper on “Nano Tree” at PPG Institute of Engineering and Technology, Salem on 11<sup>th</sup> September 2015.
- ❖ Mr.S.Guruvayurappan of final year presented a paper on “Advances in Nano tubes” and won first prize and won first prize in “Project Contest” at Loyola Institute of Technology, Chennai on 11<sup>th</sup> September 2015.
- ❖ Mr.M.Muruganandham, Mr.B.Ranjith kumar and Ms.Anushka gunasekaran reddy of second year participated in “Technical Quiz” at Erode Sengunthar Engineering College, Erode on 12<sup>th</sup> September 2015.
- ❖ Mr.A.Elumalai and Mr.D.Antony cherispin of third year presented a paper on “Hydrogen Fuels and its uses” at Tagore Institute of Engineering and Technology, Salem on 12<sup>th</sup> September 2015.
- ❖ Mr.E.Krishna deva rayar, Mr.S.Kapildev , Mr.S.Anbarasan and Mr.E.Jayaprakash of final year won first prize in “Project Contest” at Sri Manakular Vinayagar Engineering College, Puducherry on 15<sup>th</sup> September 2015.
- ❖ Mr.R.Jayakumar, second year M.E –Product Design and Development presented a paper under the guidance of Mr.P.Sarangapani,



Assistant Professor on “Mechanical and Tribological analysis of Sic and Flyash reinforced Aluminium 6063 Metal Matrix Composites”, in the National conference on Emerging Trends in Engineering organised by RK Publications, Vellore on 5<sup>th</sup> November 2015.

#### **Industrial Visits:**

- ❖ Mr.P.Sarangapani and Mr.A.Rajaraman, Assistant Professors guided final year students to visit Anna Aluminium Co. Pvt. Ltd., Kizhakkambalam Ernakulam Dt., Kadavil Electro Mechanical Industries, Perumbanoor, Ernakulam Dt. Tarco Cable company, Cochin on 20<sup>th</sup> August 2015 and Jefferson Engineering Industries & Kerala Electricals and Allied Engineering Co. Ltd., Cochin on 21<sup>st</sup> August 2015.
- ❖ Mr.B.Selvasarathy, Associate Professor and Mr.N.Ejournale, Assistant Professor guided third year students to visit United Cooling Systems on 20<sup>th</sup> August 2015 and Kalva Engineers Pvt. Ltd., Cochin & Variams Engineering Works, Munnar on 21<sup>st</sup> August 2015.
- ❖ Mr.D.Sathesh Kumar, Mr.S.Sivaguru , Mr.R.Dinakaran and Mr.B.Malar Kannan, Assistant Professors guided second year students to visit Classik Cooling Towers, Roots Industries India Pvt. Ltd., and Scan Machineries in Coimbatore on 20<sup>th</sup> August 2015 and Best

Engineering Works & Micro Engineering Works in Coimbatore and Ooty Tea Factory, Ooty on 21<sup>st</sup> August 2015.

## **Department of Electrical & Electronics Engineering:**

### **Association (ASCOPE) Activities:**

- ❖ Guest lecture was organized on “Maintenance of Transformer”, delivered by Er.R.Sabarajan, Testing Engineer, Padmavahini Transformers Private Ltd., Coimbatore and MoU was signed with the same organization on 21<sup>st</sup> July 2015 to provide industrial visits, in-plant training and job opportunities to students.
- ❖ Internal paper presentation contest was organized on 11<sup>th</sup> August, 2015. Mr.P.Thamizhazhagan, Professor, Department of Electrical and Electronics Engineering, University College of Engineering, Panruti acted as Jury and selected the best papers.

### **Staff Activities:**

#### **Guest Lectures:**

- ❖ Dr.S.Sakthivel, Professor and Head delivered guest lecture on “Reactive Power and Voltage Control - a Review” at Arasu Engineering College, Kumbakonam on 19<sup>th</sup> August 2015 and on “EE6201 – Circuit Theory” in Anna University sponsored Faculty Development Programme, held at University College of Engineering, Panruti on 14<sup>th</sup> December 2015.

### **Workshop Participations:**

- ❖ Dr.S.Sakthivel and Mr.S.Manimaran, Assistant Professor participated in National level workshop on “The Art of Writing Research Paper” organized by Kongu Engineering College, Perundurai on 19<sup>th</sup> December 2015.
- ❖ Mr.S.Arunpandiyan, Assistant Professor attended National conference on “Voice Recognition Robotic Dog Guides for Visually Impaired People” and Mr. B.Rajan, Assistant Professor

attended National conference on “Embedded system for Monitoring and Controlling of Industry using Arduino” organized by International Research Journal in Advanced Engg and Technology (IRJAET) in October 2015.

- ❖ Mr. G.Ezhilarasan, Assistant Professor attended National conference on “Touch Screen based Direction and Speed Control of Motor” and Mrs.D.Mangavaram Assistant Professor attended National conference on “Automatic Mobile Platform and Gate Control at Railway Lines” organized by RK Publications, Vellore on 5<sup>th</sup> November 2015.
- ❖ Ms.S.Santhiya and Ms.A.Elizabeth, Assistant Professors attended one week Faculty Development Programme on “EE6403 – Discrete Time Systems and Signal Processing”, held at Velammal Engineering College, Chennai, from 18<sup>th</sup> to 24<sup>th</sup> November 2015.
- ❖ Mr.J.Abdulazizkhan, Assistant Professor participated in National level workshop on “Wireless Sensor Networks and its use in Internet of Things” organized by College of Engineering, Guindy on 20<sup>th</sup> November 2015.
- ❖ Mr.M.B.Annadurai and Mr.J.Abdulazizkhan, Assistant Professors attended one day National level workshop on “Writing Scientific Research Paper” organized by SSN College of Engineering, Chennai on 27<sup>th</sup> November 2015.





- ❖ Mr.S.Arunpandiyan, Mr.D.Balamurugan, Mr.S.Ezhilarsan and Mr.B.Rajan, Assistant Professors attended Anna University sponsored Faculty Development Programme on “EE6201:Circuit Theory”, held at University College of Engineering, Panruti, from 9<sup>th</sup> to 15<sup>th</sup> December 2015.
- ❖ Mrs.D.Mangavaram, Assistant Professor attended two days National conference on “Indian Education system: Sustainability and Competitiveness” organized by KPR Institute of Engineering and Technology, Coimbatore on 10<sup>th</sup> & 11<sup>th</sup> December 2015.
- ❖ Mr.J.Abdulazizkhan, Assistant Professor attended one week Faculty Development Programme on “EE 6602 – Embedded Systems”, held at Rajalakshmi Institute of Technology, Chennai, from 22<sup>nd</sup> to 24<sup>th</sup> December 2015.

#### **Paper Publications:**

- ❖ Mr.G.Gnanavel and Mr.S.Arunpandiyan, Assistant Professors published a paper on “Portable Low Cost and Secure Smart Card Recharging System for Prepaid Applications” in International Journal of Advances in Engineering (IJAE), Volume 1 ISSN: 675-678, in October 2015.

#### **Students Activities:**

#### **Technical Events:**

- ❖ Ms.G.Karthika and Ms.A.Dhanalakshmi of final year presented a paper on “Application of Bluetooth System” and Mr.G.Ranjith and Mr.S.Sathismuthu of final year presented a paper on “Optimal Power Generation in Solar Panel” in National level technical symposium held at University College of Engineering, Arni on 18<sup>th</sup> August 2015.
- ❖ Mr.R.Dinesh and Mr.R.Karthikeyan of final year presented their miniproject on “Solar battery

charge with automatic charge control” at Arul Murugan College of Engineering, Karur, on 8<sup>th</sup> September 2015.

- ❖ M.E (Embedded System Technologies) students, Mrs.S.Benazir presented a paper on “Recent advances in wearable sensors for health monitoring”, Mr.J.Jothisivasubramaniyan presented a paper on “Embedded system for monitoring and controlling of industry using Arduino”, Ms.N.Pavithra presented a paper on “Alive human body detection system using an autonomous mobile rescue robot”, Mr.V.Praveenkumar presented a paper on “Touch screen based direction and speed control of motor”, Mrs.M.Saranya presented a paper on “Automatic mobile platform and gate control at railway lines”, Mr.S.Sivabalan presented a paper on “Voice recognition robotic dog guides for visually impaired people” and Ms.G.Sruthilaya presented a paper on “Design of surveillance safety system for underground coal mines based on low power WSN” in the National conference held on 5<sup>th</sup> November 2015 organized by RK publications, Vellore, India.

#### **Industrial Visits:**

- ❖ Final year students went on industrial visit to TBS Indian Telematics and Biomedical Service Pvt.Ltd, SM Electronic Technologies Pvt. Ltd., Eyyani Electric Machine Pvt.Ltd, Vivekanand Electrical Industrial Pvt.Ltd, HHV Solar Technology Pvt.Ltd. and Centum Electronics Pvt.Ltd in Bangalore from 19<sup>th</sup> August to 23<sup>rd</sup> August 2015 .Mr.M.B.Annadurai and Mrs.D.Mangavaram, Assistant Professors guided them.
- ❖ Third year students went on industrial visit to Padmavahini Transformers Pvt.Ltd, Aveon Infotech Pvt.Ltd, Axis Global Automation Group

of Companies, Orion Hardware Design Pvt.Ltd, Transformers Electricals Pvt.Ltd and Hykon Power Electronics in Kerala from 19<sup>th</sup> to 23<sup>rd</sup> August 2015. Mr.S.Manimaran and Ms.S.Sandhiya, Assistant Professors guided them.

- ❖ Second year students went on industrial visit to JJ Pumps Pvt.Ltd, Sunshiv Electronics Pvt. Ltd., Padmavahini Transformers Pvt. Ltd., Aveon Infotech Pvt.Ltd, Axis Global Automation Group of Companies in Coimbatore from 19<sup>th</sup> to 23<sup>rd</sup> Aug' 2015. Mr.G.Gnanavel and Ms.A.Elizabeth, Assistant Professors guided them.
- ❖ First and second year M.E (Embedded System Technologies) students went on industrial visit Caliber Embedded Technology Pvt.Ltd, Padmavahini Transformers Pvt.Ltd and Spectrum Embedded Solution Pvt.Ltd, in Coimbatore from 7<sup>th</sup> to 11<sup>th</sup> October 2015. Mr.G.Gnanavel and Ms.S.Sangeethapriya, Assistant Professors guided them.

## **Department of Electronics and Communication Engineering**

### **Association (ELCENA) Activities:**

- ❖ ELCENA in association with ISTE and Career Guidance Bureau organized one day seminar on “Automation Technology” on 31<sup>st</sup> July 2015. Mr.T.Thayanithy, Managing Director, TCIL-IT Computer Education and Training Centre,

Puducherry inaugurated the event and Mr.K.Amirtha Ganesh, Development Executive of the same organisation presented a seminar on “Industrial Automation Technology”

- ❖ ELCENA in association with ISTE and Career Guidance Bureau organized National level technical symposium “ELCOMET 15-16” on 12<sup>th</sup> August 2015. Shri.N.K.Subramani, Deputy General Manager, National Small Industries Corporation, A Govt. of India Enterprises, Chennai inaugurated the event and Mr.V.Sivasankaran, Assistant Professor, Arunai College of Engineering acted as jury. MoU was signed with “National Small Industries Corporation, Chennai” to provide industrial visits, inplant training, value added courses, major and mini projects to the students.

### **Faculty Pursuing Higher Studies:**

- ❖ Mrs.A.Uma Mageswari, Professor/Head, Mrs.S.Jaya and Mr.J.Joseph Ignatious, Professors are pursuing Ph.D., in Annamalai University, Chidambaram.
- ❖ Mr.R.Balasubramaniyan, Associate Professor is pursuing Ph.D., in Anna University, Chennai.

### **Prizes and Awards:**

- ❖ Ms.S.Jayalilly, Associate Professor had been awarded “Best ISTE Student chapter Faculty Advisor Award for Engineering colleges” in Tamilnadu and Pondicherry Section and awarded for the best paper presentation in 18<sup>th</sup> ISTE (TN & P Section) Annual convention for Faculty Members of Engineering Colleges on “Indian Education system: 'Sustainability and Competitiveness' content Enrichment” held at KPR Institute of Engg & Tech., during 10<sup>th</sup> & 11<sup>th</sup> December 2015.





## **Conference Presentation / Workshop**

### **Participation:**

- ❖ Ms.L.Megala, Assistant Professor attended two days workshop on “Image and Signal Processing using MATLAB” conducted by Francis Xavier Engg College, Tirunelveli on 11<sup>th</sup> and 12<sup>th</sup> August 2015.
- ❖ Ms.S.Jayalilly, Mr.V.Thiyagarajan and Mr.R.Balasubramanian, Associate Professors and Ms.S.Sridurgadevi, Ms.M.Pradeepa, Mr.P.Paruthi Ilam Vazhuthi and Ms.S.Sangeethapriya, Assistant Professors attended one day workshop on “Wireless sensor networks and its use in internet of things” conducted by College of Engineering, Anna University, Chennai on 20<sup>th</sup> November 2015.
- ❖ Ms.R.Bharadhi, Assistant Professor attended the Short term course on “Recent Trends in Development of Communication : Cognitive Networks” under the sponsorship of Quality Improvement Programme, AICTE, Govt.of India conducted by Pondicherry Engineering College from 30<sup>th</sup> November to 4<sup>th</sup> December 2015.
- ❖ Mrs.A.Shanthi, Assistant Professor attended two days workshop on “Antenna Design and Analysis using ESI's CEM Solution Tool” conducted by Anna University Regional Campus, Coimbatore held on 3<sup>rd</sup> & 4<sup>th</sup> December 2015.
- ❖ Mrs.P.Sujatha, Associate Professor and Ms.L.Megala, Assistant Professor attended the National level seminar on “Emerging Technologies in Signal Processing” in association with IEEE Madras Section conducted by Karunya University, Coimbatore on 5<sup>th</sup> December 2015.
- ❖ Mrs.V.Gandhimathi, Associate Professor and Ms.S.Sridurgadevi and Ms.M.Pradeepa, Assistant Professors attended the National level workshop on “Simulation of IEEE transaction

papers on Multilevel Inverters” sponsored by IEEE student branch conducted by Karpagam College of Engineering, Coimbatore on 19<sup>th</sup> December 2015.

- ❖ Mrs.P.Sujatha, Associate Professor attended two days National level workshop on “Embedded Systems and its Applications” conducted by Ramco Institute of Technology in collaboration with Vi Microsystems Pvt.Ltd., Chennai at Rajapalayam on 21<sup>st</sup> & 22<sup>nd</sup> December 2015.
- ❖ Mrs.A.Uma Mageswari, Professor & Head and Mrs. S.Jaya, Professor attended one day hands on training program cum workshop on “Time Frequency Analysis and Wavelet Transforms using Matlab” at Enthu Technology Solutions India Pvt. Ltd., Coimbatore on 23<sup>rd</sup> December 2015.
- ❖ Mrs.V.Gandhimathi and Mr.E.Velmurugan, Associate Professors and Mrs.T.Priyadarsini and Mr.K.Ramesh, Assistant Professors attended two days hands on training on “Embedded systems using ARM Controller” conducted by Rajalakshmi Engineering College, Thandalam on 29<sup>th</sup> & 30<sup>th</sup> December 2015.

### **Publications:**

- ❖ Mrs.V.Gandhimathi, Associate Professor and Ms.M.Pradeepa, Assistant Professor published a research paper on “Portable Miniaturised Patient Health Monitoring System through Mobile



Phone” in International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), Volume 3, Issue 11, November 2015.

- ❖ Ms.S.Jayalilly, Associate Professor published a research paper on “Multibiometric Authentication System using Fuzzy Vault Technique” in International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), Volume 3, Issue 11, November 2015.
- ❖ Ms.L.Megala, Assistant Professor published two papers titled “Remote Pperation and Monitoring of Power Plant Equipment using IOT Environment” and “Technological Innovations in Wireless Sensor Networks” in International Journal of Advanced Research Trends in Engineering and Technology (IJARTET), Volume 2, Issue 12, December 2015.

#### **Guest Lecture:**

- ❖ Mrs.A.Uma Mageswari, Professor/Head delivered a guest lecture on “ Antenna Arrays” during Faculty Development Programme conducted on “EC6602: Antenna & Wave Propagation” at Karpaga Vinayagar College of Engineering & Technology on 30<sup>th</sup> November 2015.
- ❖ Ms.L Megala, Assistant Professor delivered a guest lecture on “Digital Image Processing” at Tirumala Polytechnic College, Thiruvannamalai on 12<sup>th</sup> December 2015.
- ❖ Mrs.A.Shanthi, Assistant Professor delivered a guest lecture on “Industrial automation and PLC” at Hayagriva Polytechnic College, Pudhucherry on 31<sup>st</sup> December 2015.

#### **Students Activities:**

##### **Prizes and Awards:**

- ❖ Ms.M.Gomathi and Ms.A.Gokila of final year won second prize for the event 'Sudden Trigger',

third prize for the event 'Bond a Snap 'and second prize for 'Paper Presentation' and a cash prize of Rs.1500 was awarded for the paper presented on “Nuclear Radiation Detection using Wireless Sensor Networks”, Mr.K.Rajasekar of final year presented the project titled “Powerline Communication using Sensor through Wireless Data Transfer System” and won first prize in miniproject contest, Ms.A.Elavarasi and Ms.A.Agisha of final year presented the project titled “Streetlight Glow on Detecting Vehicle Movement” in miniproject contest and Ms.A.Elavarasi and Ms.G.Hemalatha of final year presented the paper titled “GSM based Wireless Notice Board” in National level technical symposium conducted by Krishnasamy College of Engineering & Technology, Cuddalore held on 4<sup>th</sup> September 2015.

#### **Paper Presentation:**

- ❖ Mr.K.Rajasekar of final year participated in the Project Event at National level tech fest conducted by Vellammal Institute of Technology, Ponneri held on 11<sup>th</sup> July 2015 and presented a paper titled “Gi-Fi Technology” in National level students' technical symposium conducted by IFET College of Engineering in association with ISTE, Gangarampalayam, held on 4<sup>th</sup> & 5<sup>th</sup> September 2015.
- ❖ Ms.D.Kalaivani of final year presented a paper titled “Secure Authentication for Finger Print, Finger Vein and Finger Dorsa using Fuzzy Vault Technique” in National level technical symposium conducted by University College of Engineering, Arni on 22<sup>nd</sup> and 23<sup>rd</sup> September 2015.

#### **Publications:**

- ❖ Ms.P.Madhumitha of third year ECE under the guidance of Mr.G.Sadiq Basha, Associate



Professor and Mrs.A.Shanthi, Assistant Professor published a research paper on “Wireless Menu Ordering System for Restaurant” in International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Volume 4, Issue 12, December 2015.

- ❖ Ms.Z.Fathima of second year ECE and Ms.J.Sathiya Priya of second year ECE published a paper titled “Employability in India- Challenges and Solutions” in International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, Volume 3, Issue 12, December 2015.
- ❖ Ms.E.Nivetha and Ms.P.Swarnalakshmi of third year ECE under the guidance of Ms.L.Megala, Assistant Professor published papers titled “Technological Innovations in Wireless Sensor Networks” in International Journal of Advanced Research Trends in Engineering and Technology (IJARTET), Volume 2, Issue 12, December 2015.
- ❖ Ms.P.Shankari, Ms.R.Vanmathi and Ms.K.Sasikala of third year ECE published a paper titled “Finger Print and Finger Vein Authentication system using Fuzzy Vault Technique” and Ms.K.Subasri, Ms.C.Subasri and Ms.B.Sholiya of second year ECE published a paper titled “A Distributed M-Healthcare Cloud Computing System with Patient Self Controlled and Multilevel Privacy Preserving Cooperative Authentication” in Scope International Journal of Science, Humanities Management and Technology (SIJSHMT), Volume 1, Issue No.2, December 2015.
- ❖ Mr.M.Mohanraj and Ms.K.Saipriya of final year ECE under the guidance of Mr.V.Thiyagarajan, Associate Professor and Mrs.T.Priyadarsini, Assistant Professor published a research paper on

“Implementation of binary extension field for quad core cryptoprocessor on FPGA” in International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Volume 4, Issue 12, December 2015.

#### **Industrial Visit:**

- ❖ Mr.E.Velmurugan, Associate Professor and Ms.S.Sridurgadevi, Ms.M.Pradeepa and Mr.P.Paruthi Ilam Vazhuthi, Assistant Professors guided final year students respectively to visit Chips Software Systems in Kochi and Kerala State Electronics Development Corporation Limited in Thiruvananthapuram from 20<sup>th</sup> to 22<sup>nd</sup> August 2015.
- ❖ Mr.S.Sadiqbasha & Mrs.P.Sujatha, Associate Professors and Ms.S.Jayalilly, Associate Professor & Mr.S.Parthiban, Assistant Professor guided third year students respectively to visit Mighty Electronics Equipment Corporation, Empee Associate Electronics Equipment Pvt.Ltd., Ampere Vehicles Pvt. Ltd., in Coimbatore and HYKON Power Electronics(P)Ltd., in Thirissur from 20<sup>th</sup> to 22<sup>nd</sup> August 2015.
- ❖ Mr.V.Thiyagarajan, Associate Professor and Mrs.A.Shanthi, Assistant Professor guided second year ECE students to visit Mighty Electronics Equipment Corporation and Axis Global Automation Ltd., in Coimbatore, Radio Astronomy Centre in Ooty and Doddabetta Tea Factory in Coonoor on 21<sup>st</sup> & 22<sup>nd</sup> August 2015.

#### **Department of Civil Engineering**

##### **Association (The ACE) Activities:**

- ❖ National level seminar was conducted jointly by The ACE and ISTE on 23<sup>rd</sup> July 2015. Er. S.Maran @ Thangamanimaran, Managing Director, JENOMaran Builders (P) Ltd. Puducherry and Er.S.Sivakandan, Chairman of Ground Water

Authority, Puducherry delivered the guest lecture on “Green Buildings”.

- ❖ TheACE organised National level technical symposium “LIVIC’15” in association with ISTE on 14<sup>th</sup> August 2015. The inaugural address was given by Er. S.Sivakandan, Managing Partner of Creations 3D Modelling and Chairman of Ground Water Authority, Puducherry.

#### **Staff Activities:**

#### **Conference Presentation / Workshop Participation**

- ❖ Ms. G. Yamuna, Assistant Professor presented a paper on “Impacts of Climate Change in the Developing World” in the International Conference on Sustainable Technologies in Building & Environment (ICSTBE-2015) organised by Sathyabama University, Chennai from 15<sup>th</sup> July to 17<sup>th</sup> July 2015.
- ❖ Mr. M. Shyamkumar, Assistant Professor attended five days Short-Term course on “Recent Developments in Construction Technology” at Pondicherry Engg College from 23<sup>rd</sup> to 27<sup>th</sup> Nov’ 2015 under the sponsorship of Quality Improvement Programme, AICTE, Govt. of India.
- ❖ Mr. R. Kalaiarasan and Mr. V. Tamilselvan, Assistant Professors attended three days Faculty Development Programme on “Design of Steel Structures” at Vellalar College of Engineering, Erode from 16<sup>th</sup> to 18<sup>th</sup> December 2015.

#### **Paper Publications**

- ❖ Mrs. S. Sinthana Gorky, Assistant Professor published a paper on “Treatment of Grey Water using Constructed Wetlands” and “Effect of Utilisation of Bagasse ash as a Pozzolonic Admixture in Concrete” in the International Research Journal of Latest Trends in Engineering and Technology (IRJLTET), ISSN: 2395 – 1747 Vol.2 No.3, PP: 62 – 68 & PP: 95 – 101 on May/June 2015

#### **Students Activities:**

#### **Technical Events:**

- ❖ Mr. M. Manojkumar, Mr. S. Karthikeyan and Mr.S.Udhayakumar of final year completed certificate course on “Valuation of Properties” conducted by Institution of valuers on 28<sup>th</sup> July 2015 at Anandha Inn, Puducherry.
- ❖ Mr. S. Udhayakumar of final year presented a paper on “Prestressed Concrete” and won first prize in National level technical symposium at KCG College of Technology, Karapakkam, Chennai on 29<sup>th</sup> August 2015 and presented a paper on “Prestressed Concrete Structures” and participated in an event “Code Cracking” in National level technical symposium at Aksheyaa College of Engineering, Maduranthagam on 15<sup>th</sup> September 2015.
- ❖ Mr. R. Bavithran and Mr. R. Gobinath of final year presented a paper on “Tall Structures” and won third prize in the event “Poster Presentation” and second prize in the event “Code Cracking” and first prize in the event “Technical Quiz”, Mr.C.Govindhan and Mr. S. Udhayakumar of final year presented a paper and won third prize on “Earthquake Resistant Structures” and won second prize in the event “Non Technical Quiz”, and Mr. R. Gobinath of final year presented a paper on “Smart Structures” and





Mr.L.Rajadurai and Mr. B. Radhakrishnan of third year won first prize and Mr. C. Govindan of final year won third prize in an event “Code Cracking” in a National level technical symposium at Arunai Engineering College, Tiruvannamalai on 16<sup>th</sup> September 2015.

### **Industrial Visits:**

- ❖ Mr. K. Elayaraja and Ms. K. Sowmiya, Assistant Professors guided final year students to visit Shiva Sree Builders, Coimbatore on 20<sup>th</sup> August 2015 and Goodearth Homes, Cochin on 21<sup>st</sup> August 2015.
- ❖ Mr. V. Tamilselvan and Mrs. V. Gandhimathi, Assistant Professors guided third year students to visit Mary Paints Pvt. Ltd., Coimbatore on 20<sup>th</sup> August 2015 and Green Plywood Industry, Cochin on 21<sup>st</sup> August 2015.
- ❖ Mr. R. Karthikeyan, Mr. K. Yuvarajan and Ms. K. Sathya, Assistant Professors guided second year students to visit V.M Construction, S.P.D Architect & Construction, Coimbatore on 20<sup>th</sup> August 2015 and Shiva Sree Builders, Coimbatore on 21<sup>st</sup> August 2015.

## **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

### **Association (ASCOME) Activities:**

- ❖ The Association of Computer Science & Engineering-ASCOME, Information Technology Association (INTECA) and Indian

Society for Technical Education (ISTE) jointly organized a National level technical symposium, which was presided by Dr. R. Vijayalakshmi Stephen, Managing Director, Vijayalakshmi Hi-Tech Solutions, Madurai. Mr. V. Pradeep Kumar, Assistant Professor, Department of Computer Science and Engineering, Karpaga Vinayaga College of Engineering and Technology, Maduranthagam and Mr.P.Shanmugam, Assistant Professor, Department of Information Technology, Adhiparasakthi Engineering College, Melmaruvathur acted as judges on 9<sup>th</sup> September 2015.

### **Staff Activities:**

#### **Faculty pursuing higher studies:**

- ❖ Mrs. J. K. Jothikalpana, Professor is pursuing Ph.D. in Anna University, Chennai.
- ❖ Mr. A. Partha Sarathy, Associate Professor is pursuing his Ph.D. at Rayala Seema University, Kurnool, Andhra Pradesh.
- ❖ Mr.M.BalaAnand, Assistant Professor is pursuing Ph.D. in Anna University, Chennai.

#### **Paper Publications:**

- ❖ Ms. C. Leena, Mr. V. Vinothraj, and Mrs.S.Sindhuja Assistant Professors published a paper on “Facts Hiding throughout Audio Video Interleave (AVI) files utilizing Multivariate Regression along with Versatile Macro Obstruct Getting” in International Journal of Advanced Research Computer Science and Engineering (IJARCSSE), Volume 5, Issue 11, November 2015.
- ❖ Ms. N. Kavitha, Associate Professor Published a paper titled “Developing a Worldwide Social Assistance Community with Regard to Superior Quality of Internet Assistance” on CiiT International Journal of Network and Communication Engineering, Volume 7, No. 9,



November 2015 and “Tube Rack Security Checking Using Wireless Sensor Systems” in CiiT International Journal of Networking and Communication Engineering Vol 7, No 10, December 2015.

#### **Seminar/Workshop/FDP/STTP Participation:**

- ❖ Mr. M. BalaAnand, Assistant Professor attended two days National level seminar on “First Indian Engineering Deans Council Global summit on Engineering Education” organized by Indian Society for Technical Education (ISTE) at GRT Grand Hotel, Chennai on 31<sup>st</sup> July & 1<sup>st</sup> August 2015, one day National level workshop on “Research Methodology” at College of Engineering, Guindy (CEG), Chennai on 11<sup>th</sup> September 2015 and one day National level workshop on “Big Data Processing using Machine Learning Techniques” at SNS College of Technology, Coimbatore on 23<sup>rd</sup> September 2015.
- ❖ Mr. A. Daison Raj, Assistant Professor attended one day National level workshop on “Hands on Training on NS2” at SNS College of Technology, Coimbatore on 19<sup>th</sup> September 2015, Two days Faculty Development Programme on “Mobile Application Development Laboratory” at P.A.College of Engineering & Technology, Pollachi on 20<sup>th</sup> and 21<sup>st</sup> November 2015 and Faculty Development Training Programme on “CS6601-Distributed Systems” at Sri Ramakrishna Engineering College, Coimbatore from 2<sup>nd</sup> to 8<sup>th</sup> December 2015.
- ❖ Mr. V. Vinothraj and Mr. N. Gobinathan, Assistant Professors attended one day National level workshop on “Big Data Tools: Hive and Pig” at A.V.C. Engineering College, Mayiladudhurai on 9<sup>th</sup> October 2015.
- ❖ Mr. R. Dhashnamoorthy and Mr. F. Destonius Dhiraviam, Assistant Professors attended one day

National level Workshop on “Wireless Sensor Networks and its use in Internet of Things” at College of Engineering, Guindy (CEG), Anna University, Chennai on 20<sup>th</sup> November 2015.

- ❖ Prof. J. K. Jothi kalpana and Mr. A. Daison Raj, Assistant Professor attended two days National level seminar on “Knowledge Discovery in Biomedical Informatics using Cloud Computing” Kongu Engineering College, Erode on 26<sup>th</sup> and 27<sup>th</sup> November 2015.
- ❖ Mr. A. Parthasarathy and Ms. N. Kavitha Associate Professors attended one day National level workshop on “Video Analytic” at NIIT, Tiruchy on 27<sup>th</sup> and 28<sup>th</sup> November 2015.
- ❖ Mr. N. Gobinathan, Assistant Professor attended Faculty Development Training Programme on “Mobile Application Development Laboratory”, at Erode Sengunthar College of Engineering & Technology, Erode from 15<sup>th</sup> to 19<sup>th</sup> December 2015.
- ❖ Ms. N. Kavitha and Mrs. H. Ambika, Associate Professors, Ms. C. Leena, Mr. V. Vinothraj, Mrs. S. Sindhuja, Ms. M. AswinRani and Ms.R.Gayathri, Assistant Professors attended one day National level workshop on “Mobile Application Development Laboratory” at A.V.C. Engineering College, Mayiladudhurai on 19<sup>th</sup> December 2015.





### **Students Activities:**

#### **Industrial Visits:**

- ❖ Third year and second year students visited IGA TECH Industrial Electronics, Anand Water Meter Manufacture Pvt. Ltd. and Chipsoft Technologies, Cochin from 20<sup>th</sup> to 22<sup>nd</sup> August 2015. Mr. R. Dhashnamoorthy, Ms. C. Leena, Mr. M. BalaAnand and Ms. R. Ezhilarasi, Assistant Professors guided them.
- ❖ Final year students visited Chipsoft Technologies, IGA TECH Industrial Electronics, UST Global, Anand Water Meter Manufacture Pvt. Ltd., Cochin and TATA Tea Factory at Munnar from 20<sup>th</sup> to 22<sup>nd</sup> August 2015. Ms. N. Kavitha & Mrs.H.Ambika, Associate Professors and Mr.F.Destonius Dhiraviam & Mr. N. Gobinathan, Assistant Professors guided them.

#### **Paper publications:**

- ❖ Ms. B. Lekka, Ms. U. Saranya Devi and Ms.R.Sujatha final year students published a paper on “Providing Enhanced Security on Monitoring using Multifeature Background Subtraction with Support Vector” in Coimbatore Institute of Information Technology (CIIT), CIIT-IJ-6176, November 2015.

### **Department of Information Technology**

#### **Association activities:**

- ❖ Association of Information Technology – INTECA in association with ISTE organized a guest lecture on “Cloud & Virtualization” delivered by Mr.V.Ramachandiran, Research & Development, Ericsson India Global Services Pvt. Ltd, Chennai on 20<sup>th</sup> July 2015.

#### **Staff Activities:**

#### **Paper Publications:**

- ❖ Mr.S.Bharathiraja, Assistant Professor and Head I/c and Mrs.G.Sumalatha, Assistant Professor published a paper on “A Review on Android

Applications using in Embedded Systems” in International Research Journal of Engineering & Technology, ISSN 2395 – 0072, Volume 02, Issue 04, August 2015.

- ❖ Mr.K.Ramesh and Mr.P.Manivannan, Assistant Professors published paper on “E-voting System using Android Smart Phone” and “A Meliorated Approach to Text Steganography using Markup Languages and AES” in International Research Journal of Engineering and Technology, ISSN 2395 – 0072, Volume: 02 Issue: 06, September 2015.
- ❖ Mr.S.Balaji, Assistant Professor published a paper on “Predicting sentiment analysis from online reviews” in International Research Journal of Engineering and Technology, ISSN 2395– 0072, Volume 02, Issue 09, December 2015.

#### **Conference Presentations / Workshop Participations:**

- ❖ Mr.S.Bharathiraja, Assistant Professor and Head I/c and Mrs.G.Sumalatha, Assistant Professor attended DST sponsored seminar on “Computational Intelligence for Health Farming” at Sona College of Technology, Salem on 18<sup>th</sup> and 19<sup>th</sup> December 2015 and National conference on “Big Data Techniques” at Kongu Engineering College, Erode on 28<sup>th</sup> & 29<sup>th</sup> December 2015.
- ❖ Mrs.A.Niranjana Devi, Professor attended workshop on “XML and Web Services” at University College of Engineering, Villupuram on 19<sup>th</sup> August 2015.
- ❖ Mr.K.Ramesh and Mr.S.Balaji, Assistant Professors attended National level workshop on “Writing Scientific Research Paper” at SSN College of Engineering, Chennai on 27<sup>th</sup> November 2015.
- ❖ Mr.P.Manivannan Assistant Professor attended one day workshop on “Embedded System Design

using ARM Microcontroller” at St.Anne's College of Engineering and Technology, Panruti on 13<sup>th</sup> December 2015.

#### **Students Activities:**

- ❖ Mr.V.Thiruvikraman and Mr.R.Karthick of final year presented a paper on “Ps Styler” at Adhiyamaan College of Engineering, Hosur on 13<sup>th</sup> and 14<sup>th</sup> August 2015.
- ❖ Mr.B.Somasundaram and Mr. R.Vagula Branan of final year presented a paper on “Li-Fi Technology” in ISTE sponsored National level technical symposium at Adhiyamaan College of Engineering, Hosur on 7<sup>th</sup> & 8<sup>th</sup> September 2015.
- ❖ Mr.S.Karthick and Mr.R.Vagulabranan of final year presented a paper on “Cellular Digital Packet Data” and won first prize, Ms.R.Abinaya and Ms.M.Mugilmathi of final year presented a paper on “Children Mobile Monitoring and Tracking System” and won second prize, Ms.U.Prema and Ms.S.Srikurinji of final year presented a paper on “Assuring Secured and Dependable Cloud Storage Services with Erasure Code Technique” and won third prize in the internal paper presentation at our college on 31<sup>st</sup> July 2015.

#### **Industrial Visits:**

- ❖ Mr.K.Ramesh and Mrs.A.Vinotha, Assistant Professors, guided final year students to visit KG Information system, Axis Global Automation, Chips Software System and St.Albans Technologies Pvt. Ltd., Cochin from 20<sup>th</sup> to 22<sup>nd</sup> August 2015.

### **DEPARTMENT OF SCIENCE AND HUMANITIES**

#### **Chief Guest:**

- ❖ Ms.R. Jesus Diana, Assistant Professor in English had been invited as a Chief guest in “Health and Temperance Program” at Seventh Day Adventist Matriculation Higher Secondary School, Panruti on 8<sup>th</sup> August 2015.



#### **Workshop/Seminar/FDP Participation:**

- ❖ Mr.A.Senthamizhan, Assistant Professor in Physics participated in National workshop on “Materials Science and Theoretical Physics” at St.Joseph's College of Arts and Science (Autonomous), Cuddalore on 2<sup>nd</sup> and 3<sup>rd</sup> September 2015.
- ❖ Ms.R.Jesus Diana and Mrs.A.Vidya, Assistant Professors in English participated in one day workshop on “Preparing Technical Teachers for Optimal Class Room Delivery through English Language” at B.S.AbdulRahaman University, Chennai on 28<sup>th</sup> October 2015.
- ❖ Mr.K.Virudhagiri and Mr.K.Sivakumar, Assistant Professors in Management participated in workshop on “Strategic Management on SWOT and TWOS Matrix Analysis” at Madras Institute of Business Management, Chennai on 10<sup>th</sup> and 11<sup>th</sup> November 2015.
- ❖ Mr.R.Vijayakumar and Mr.P.Pazhanichamy, Assistant Professors in Mathematics participated in Faculty Development Programme on “MA6453-Probability & Queuing Theory” at IFET College of Engineering, Villupuram from 27<sup>th</sup> November to 3<sup>rd</sup> December 2015.

#### **Conference Presentation:**

- ❖ Dr.N.Manivannan, Assistant Professor in Chemistry presented a paper on “Synthesis,

Characterization, Antibacterial and Anti-oxidant Activity of (E)-4-(2-(2, 4-dinitrophenyl) hydrazono) - 3 - isopropyl - 2 , 6 - diphenylpiperidine” in National seminar at Annamalai University, Chidambaram on 9<sup>th</sup> and 10<sup>th</sup> October 2015.

- ❖ Mr.A.Senthamizhan, Assistant Professor in Physics presented a paper on “Growth & Characterization of pure and doped L-Threonine Acetate crystal” in TEQIP –II sponsored International conference at Bharathidasan Institute of Technology, Anna University, Thiruchirapalli on 16<sup>th</sup> and 17<sup>th</sup> October 2015.

## **DEPARTMENT OF PHYSICAL EDUCATION**

### **Participation & Achievements**

- ❖ Mr.R.Ranjith Kumar of III year Mechanical, Mr.S.Vignesh of III year Civil and Mr.K.Moothy of IV year Civil selected for Villupuram District Cricket Team Under - 23 crickets Team to play TNCA Inter District Cricket Tournament conducted at Salem on 17<sup>th</sup> July 2015.
- ❖ Mr.T.Parthipan of IV year Mechanical won silver medal in 20 km Mini Marathon, conducted by Rasipuram Athletic Association, Namakkal District on 16<sup>th</sup> August 2015.
- ❖ Mr.B.Arun Raj of III year CSE and Mr V.Arvind of II year Civil was selected for Villupuram District Cricket Team Under-19 cricket Team to play TNCA Inter District Cricket Tournament conducted at Trichy on 2<sup>nd</sup> September 2015.
- ❖ Football (men) Team secured third place in Anna University Zone V tournament had been conducted by our college on 3<sup>rd</sup> September 2015.
- ❖ Kho-Kho team won first place in Anna University Zone V Kho-Kho Men tournament conducted by Mailam Engineering College, Mailam, from 18<sup>th</sup> to 19<sup>th</sup> September 2015.

- ❖ Cricket B Team won Runner-up in TNCA - Villupuram District Cricket Association – III Division League 2015 - 2016, 10 Matches Season.
- ❖ Athletic Team – Men won many medals and certificates in Anna University zone V Athletic meet conducted by Adhiparasakthi Engineering College, Melmaruvathur on 28<sup>th</sup> September 2015.

### **Boys:**

- ❖ Mr. T.Parthipan of IV year Mechanical secured first place in 5000 meters and second place in 10,000 meter.
- ❖ Mr.P.Ramachandran of III year Mechanical secured first place in 20 km walk.
- ❖ Mr.B. ArunRaj of III year CSE secured second place in 5000 meter and second place in 10,000 meter.
- ❖ Mr.R.Ranjith Kumar of II year Mechanical secured third place in 110 meter Hurdles.
- ❖ Mr.A.Surya Prakash of II year Civil secured third place in 1500 meter.
- ❖ Mr.R.Raguraman of IV year Mechanical, Mr.C.Antony Joshva Raj of IV Civil, Mr.V.Karthikeyan of III year CSE and Mr R.Ranjith Kumar of II year Mechanical secured second place in 4 x 400 meter Relay.







### Girls:

- ❖ Ms.S.Suganya of IV year ECE secured second place in Long Jump.
- ❖ Ms.P.Sathyalakshmi of III year CSE secured second place in 10000 meter.
- ❖ Ms.P.Pacikiyalakshmi of IV year IT secured third place in 400 meter & 800 meter.
- ❖ Maraththan 20 km was organized by All India Students Welfare Association to pay tributes to Dr.A.P.J.Abdul Kalam and prize & cash winners are
  - ❖ Mr.T.Parthipan, IV year Mech. - 1<sup>st</sup> place
  - ❖ Mr.P.Ramachandran, III year Mech. - 4<sup>th</sup> Place
  - ❖ Mr.D.Gunaseelan, IV year ECE - A - 5<sup>th</sup> place
  - ❖ Mr.V.Kalaivanan, III year Mech. - 6<sup>th</sup> place
  - ❖ Mr.S.Sathyamoorthy, III year Civil- 10<sup>th</sup> place
- ❖ Ms.S.Vaishnavi of IV ECE – B secured Runner - up in CM Trophy 2015 Hockey Inter District Tournament held at Mailam Engineering College, Mailam on 26<sup>th</sup> & 27<sup>th</sup> December 2015.
- ❖ Mr.A.MURALI, Director of Physical Education had been appointed as Selection Committee Member for Judo (Men and Women) Anna University Inter Zone Competition held at Park Engineering College, Coimbatore on 13<sup>th</sup> and 14<sup>th</sup> Dec 2015.

### HOSTED

- ❖ Our college conducted Inter School Tournaments for super seniors for Kho - Kho, Football (boys), Volley Ball (Boys), Badminton (Girls) on 23<sup>rd</sup> & 24<sup>th</sup> July 2015.
- ❖ Our college conducted Anna University Zone V Badminton Women on 17<sup>th</sup> & 18<sup>th</sup> August 2015.
- ❖ Our college conducted Anna University Zone V Chess (Men & Women) on 22<sup>nd</sup> August 2015.
- ❖ Our college conducted Anna University Zone V Football (Men) on 3<sup>rd</sup> & 4<sup>th</sup> September 2015.



Mr. R. Raja, Asst. Professor/Maths  
 Mr. M. Shyamkumar, Asst. Professor/ Civil  
 Mr. P. Sarangapani, Asst. Professor / Mech  
 Mr. S. Balaji, Asst. Professor / IT  
 Mr. S. Arunpandian, Asst. Professor / EEE  
 Mr. V. Vinothraj, Asst. Professor / CSE  
 Mrs. P. Sujatha, Asst. Professor / ECE  
 Dr. N. Manivannan, Asst. Professor / Chemistry  
 Mr. T. Sankar, Asst. Professor / English