



# AKSHEYAA COLLEGE OF ENGINEERING

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(An ISO 9001:2008 Certified Institution)



## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### Department Activities

Academic year (2015-16)

#### Paper Publications

- **Mr.K.Rajendran, AP/EEE** has published the paper entitled “Design of low Power Mixed Radix FFT Processor for MIMO OFDM System” in International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS), Vol.4, Issue 11, pp (17-21) November 2015.
- **Mrs.K.Periyanayaki, AP/EEE & Mrs.M.Gayathri, AP/EEE** has published the paper entitled “Resonant Inverter with inbuilt Boost Converter for Highway Applications” in International Journal of Modern trends in Engineering & Science” (**IJM TES**), Vol.2, Issue 12, December 2015.
- **Mrs.K.Periyanayaki, AP/EEE & Mrs.M.Gayathri, AP/EEE** has published the paper entitled “Hardware Implementation of Fuzzy Logic based active power filter in high frequency Air Craft Power System” in International Journal of research in electronics & Computer Engineering” (**IJRECE**), Vol.3, Issue 4, October - December 2015. ISSN No: 2348-2281.
- **Mr.C.Nepolean, AP/EEE & Mr.K.Satheeswaran, AP/EEE** has published the paper entitled “Harmonic elimination Using boost Converter” in International Journal of Scientific Engineering& Applied Science” (**IJSEAS**), Vol.1, Issue 9, December 2015. ISSN No: 2395-3470.

### **Workshop, FDP, conference Attended**

- **Mrs.G.Hemalatha, AP/EEE** has attended Two Days workshop on “Modern Power Tools” from **12<sup>th</sup> February to 13<sup>th</sup> February 2015**, at Anna University, Chennai.
- **Mr.C.Nepolean, AP/EEE & Mr.K.Satheeswaran, AP/EEE** has attended one week Faculty Development Training Programme (FDTP) on “Power Electronics” from 4<sup>th</sup> June to **10<sup>th</sup> June 2015**, at Anna University, Chennai.
- **Mr.K.Rajendran, AP/EEE** has participated in the one day workshop on “Developing Effective Research Publications, Proposals & Patents” organized by the department of Electrical & Electronics Engineering, Agni College of Technology on **30<sup>th</sup> December 2015**.
- **Mrs.K.Periyanayaki, AP/EEE & Mrs.M.Gayathri, AP/EEE** has participated in Two days FDP on “Micro Grid” organized by the department of Electrical & Electronics Engineering, St. Joseph’s Institute of Technology on **29<sup>th</sup> & 30<sup>th</sup> October 2015**.

### **Workshop, FDP, Conference & Guest Lecture Organized**

- Department of EEE Organized Seminar on “**Unmanned Arial Vehicle**” by Mr.Suresh Barola for final year Students on **31<sup>st</sup> July2015** at Department Seminar Hall-A Block.
- Department of EEE Organized “**Fresher’s Meet**” for first year Students on **14<sup>st</sup> August 2015** at Department Seminar Hall-A Block.
- Department of EEE Organized Seminar on “**How to Face an interview**” by Mr.P.Sarath Kumar for final year Students on **19<sup>st</sup> August 2015** at Department Seminar Hall-A Block.

- Department of EEE Organized Workshop on “**Entrepreneurship Development Program**” for final year Students on **21<sup>st</sup> September 2015** at Department Auditorium-B Block.
- Department of EEE Organized Guest Lecture on “**Emerging Trends in Embedded Systems**” for 3rd year EEE students by **Dr.K.Umapathy, Associate Professor, SCSVMV University, Kancheepuram** on **24<sup>th</sup> Feb 2016** in our college premises.

### **Workshop, Seminar Attended (By Students)**

- Our Second year and Final year students **Jayanthi.R.L, Sithiya.P, Sowmiya.K.S, Gomathi.E, Prasannalakshmi.M, Hemavathi.P, Mageswari.M, Sasikala.K, Sangeetha.V** have participated in “**Women’s Entrepreneurship**” workshop conducted by Anna University, Chennai on 10<sup>th</sup> March 2015.
- Our Third year students **Vadivel.L, Pavithran.M** have participated in “**Network Security**” workshop conducted by Madras Institute of technology, Chennai on 14<sup>th</sup> March 2015.
- Our Final year students **Anand.L, Ranjitha.C, Manikandan.R,** have participated in “**A cascaded Nine level inverter based on switched capacitor for high frequency AC power distribution system**” workshop conducted by Mailam Engineering College on April 2015.
- Our Final year student **Rajesh.J** have participated in “Hybrid battery charging system using solar PV wind mill and utility grid” workshop conducted by Mailam Engineering College on April 2015.
- Our Final year students **Anand.L, Babu.S, Murali.A, Kodiyarasu D, Gowtham.J.B, Ranjitha.C, Manikandan.P, Manigandan.R, Rajesh.J, Selvam.M** have participated in “**Smart Grid**” workshop conducted by Karpaga Vinayaga College of Engineering and Technology, Madhurantagam on 25<sup>th</sup> February 2015.

- Our Final year students **Vadivel.L, Pavithran.M, Kavinraj.I** have participated in **“Lab View” workshop** conducted by SNS College of Engineering, Coimbatore on 12<sup>th</sup> August 2015.
  
- Our Third year students **Gomathi.E, Prasannalakshmi.M, Hemavathi.P, Mageswari.M, Sasikala.K, Sangeetha.V** have participated in **“Women’s Entrepreneurship”** workshop conducted by Anna University, Chennai on 10<sup>th</sup> March 2016.
  
- Our Final year students **Sithiya.P, Sowmiya.K.S, Dhivya.M, Tamilvanan.L & Rajarajeswari.B** have participated in **“Wind Energy” workshop** conducted by Karpaga Vinayaga College of Engineering and Technology, Madhurantagam on 27<sup>th</sup> August 2015.
  
- Our Final year students **Krishna kumar. V, Vetriselvan.J, Youvaraj.S, Aravindan.B, Vignesh.S, Vinothkumar.R, Prem kumar.R, Karmegam.G, Iyyappan.A** have participated in **“Robotics” workshop** conducted by MNM Jain Engineering College, Chennai on 14<sup>th</sup> August 2015.
  
- Our Second & Third year students Visited the **“Sunguvar Chathiram Substation”** on **23.03.16**
  
- Our Third year students **Dinesh.D, A.Ajithkumar, Dhanasekar.V & Saravanan.R** have participated in **“National Level Technical Symposium”** conducted by **Dhanalakshmi Srimivasan College of Engineering, Mamallapuram** on **31<sup>st</sup> March 16.**

## Academic year (2014-15)

### Workshop & FDP Attended by Staffs:

- **Mr.K.Rajendran** has attended the Two Days National Workshop on “**Control System –Real Time Applications**” from 21<sup>st</sup> to 22<sup>nd</sup> Nov 14 at Arulmigu Meenakshi Amman college of Engineering, Kancheepuram.
- **Mr. M.Bharathiraja** has attended the Centre for Faculty Development, Anna University sponsored Faculty Development Training Programme (FDP) on “**Design of Electrical Machines**” from 4<sup>th</sup> to 10<sup>th</sup> December 2014, at CK college of Engineering and Technology, Chennai.

### Guest lecture Organized:

- A Guest Lecture was arranged on “**PLC & Industrial automation**” by **Zigma Industrial Solutions** on 18<sup>th</sup> March 2015 at Aksheyaa College of Engineering, Madhurantangam, Kancheepuram
- A Guest Lecture was arranged on “**Android Application**” by **Mr.M.Prasad director of Acute Technologies Solutions** from 12<sup>th</sup> to 13<sup>th</sup> March 2015 at Aksheyaa College of Engineering, Madhurantangam, Kancheepuram.

### **Conference Attended by Staffs:**

- **Mr. V.Suresh** has presented a paper entitled “**Design of an adaptive Neurofuzzy interference control system for UPFC**” in the National Conference on “**Power Electronics Based Applications**” on 1<sup>st</sup> and 2<sup>nd</sup> March, 2014, at Thiruvalluvar College Engineering & Technology, Vandavasi.
- **Mr. V.Suresh** has presented a paper entitled “**Design of an adaptive Neurofuzzy interference control system for UPFC**” in the National Conference on “**Power Electronics Based Applications**” on 5<sup>th</sup> April 2014, at Mailam Engineering College, Villupuram.

## Academic year (2013-14)

### Workshop & FDP Attended by Staffs:

- **Mr. M.Bharathiraja** has attended the Centre for Faculty Development, Anna University sponsored Faculty Development Training Programme (FDP) on “**Circuit Theory**” from 9<sup>th</sup> to 15<sup>th</sup> December 2013, at University college of Engineering, Tindivanam.
- **Mr.M.Bharathiraja** has attended the Centre for Faculty Development Anna University sponsored Faculty Development Training Programme (FDP) on “**Power Quality**” from 12<sup>th</sup> June to 18<sup>th</sup> June 2013, at Anand Institute of Technology Chennai.
- **Ms.G.Hemalatha** has attended the TEQIP sponsored one week Short Term Training Programme (STTP) on “**Power system operation and control**” from 20<sup>th</sup> May to 24<sup>th</sup> May 2013, at Valliammai Engineering College, Chennai.
- **Mr. M.Bharathiraja** has attended the Centre for Faculty Development, Anna University sponsored Faculty Development Training Programme (FDP) on “**Digital signal processing**” from 4<sup>th</sup> to 10<sup>th</sup> June 2013, at University college of Engineering, Tindivanam.

### Guest lecture Organized:

- A Guest Lecture was arranged on “**Embedded Systems**” by **Dr. M. Sangeetha**, KVCET on 01. 03. 2013at Aksheyaa College of Engineering.

**Conference Attended by Staffs:**

- **Mr. V.Suresh** has presented a paper entitled “**High power factor single stage LCC Resonant Converter for CCFL**” in the National Conference on “**Emerging Scenario in Electrical and Electronics Engineering**” on 23<sup>rd</sup> March 2013, at Mailam Engineering College, Villupuram.



## Academic year (2012-13)

### Workshop & FDP Attended by Staffs:

- **Mr.V.Suresh** has attended the Two Days National Workshop on “**Simulation of 2D and 3D Electromagnetic Fields and Design of Electrical machines**” on 13<sup>th</sup> &14<sup>th</sup> December 2012 at KVCET, Madhurantangam, Kancheepuram.
- **Mr.M.Bharathiraja** has attended the One Day National Workshop on “**Research Methodologies in Deregulated Power system**” on 1<sup>st</sup> November 11 at Easwari Engineering College, Chennai.
- **Mr.M.Bharathiraja** has attended the One Day National Workshop on “**Recent Trends in Evolutionary Computation in Electrical Engineering**” on 2<sup>nd</sup> November 10 at B S Abdur Rahman University, Chennai.

### Conference Attended by Staffs:

- **Mr.R.Nepolian (Head of the department)** has Attended the National Conference and presented a paper titled “ **Implementation of Novel Soft switched Dc Power Supply System**” on 23<sup>rd</sup> September 2012, at Tamil Nadu Engineering college Coimbatore.**(Got first prize)**
- **Mr. M.Bharathiraja** has presented a paper entitled “**Hardware implementation of closed loop performance evaluation of Bridgeless PFC Boost rectifier with optimized Magnetic Utilization**” in the National Conference PCT'13 on 22<sup>nd</sup> February2013, at Aksheyaa College of Engineering, Madhurantangam Kancheepuram.

- **Mr. M.Bharathiraja** has presented a paper entitled “**Comparison between Bridge and Bridgeless PFC Boost rectifier with optimized magnetic utilization**” in the National Conference **N3C-2k11** on 20<sup>th</sup> August 2011, at Aksheyaa College of Engineering, Madhurantangam Kancheepuram.