



# **DHAANISH AHMED COLLEGE OF ENGINEERING**

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

### **Annual Report 2014-2015**

#### **Department Achievement:**

##### **University Rank:**

- ✚ **Ms.S.Nithya (24<sup>th</sup> rank) and C.Monica (30<sup>th</sup> Rank) of 2014 passed out, secured Anna university rank for the examinations conducted during the period of 2010-2014 by Anna University Chennai.**
- ✚ **Department of EEE conducted Anna university Faculty Development Training Program in the subject high voltage engineering (EE2353) from 21<sup>st</sup> dec 2014 to 27<sup>th</sup> dec 2014.20 faculties from various college participated in the program.**

#### **Department activities:**

- ✚ **Department of Electrical and Electronics Engineering inaugurated the Electrical and Electronics Engineering Student Association (EESA) on 11th July 2014.by Dr.V.Rajini, Professor, SSN College of Engineering.**
- ✚ **One day workshop program was organized in the topic Robotics by iwis technologies for 3<sup>rd</sup> year and 2<sup>nd</sup> year students on 17.09.2014.**
- ✚ **Three days short term training program in AUTOCAD was organized by HSS BIM solutions for final year EEE students from 16.03.2015 to 22.03.2015.**
- ✚ **Department of EEE signed MOU with Steinbasis Solar Research Centre for undergoing various research activities on 24<sup>th</sup> dec 2014**

#### **Department Events Organized**

##### **Seminar**

- ✚ **Mr.P. Esakki Muthu delivered a technical seminar on “Digital Control system Machines” for second year EEE students on 4<sup>th</sup> September 2014.**
- ✚ **Mr.J.Karthi spiro solutions delivered a seminar in recent trends in power systems and power electronics for Third Year Students on 1<sup>st</sup> august 2014.**

- ✚ **Mr.Vigneshwaran.J delivered a seminar in “Modern Trends in power Electronics & Matlab” for second Year Students during FN session on 1<sup>st</sup> August 2014**
- ✚ **Mr.Evan Nicholos delivered a seminar in “Microcontrollers- Embedded Systems” for Third Year Students on 5<sup>th</sup> August 2014.**
- ✚ **Mr.Nivas Associate director of Steinbasis Solar Research Centre delivered a seminar for third and second year students in solar panel design on 02<sup>nd</sup> Jan 2015.**

### Symposium

- ✚ **Dace tech fest intra college technical Symposium “ERECKEN-2K15” was organized on 18<sup>st</sup> March 2015**

### Guest Lecture

- ✚ **A Guest Lecture was organized in the topic “Recent Trends in Power System Protection” by Dr. V. Rajini Professor, SSN College of Engineering for Final Year EEE students during AN session on 11<sup>th</sup> July 2014.**
- ✚ **A Guest Lecture was organized in the topic “transmission and distribution” by Mr.S.Selvaraj Assistant Executive Engineer, TNEB for third Year EEE students during on 24<sup>th</sup> September 2014.**
- ✚ **A Guest Lecture was organized in the topic “Railway Electrification & Electric Traction” by Mr.S.Balasubramaniam” Divisional Engineer Railways for final year EEE students on 17<sup>th</sup> February 2015**
- ✚ **A Guest Lecture was organized in the topic “Smart Grid” by Dr.C.Sharmeela Anna University Chennai for third and second year students on 13<sup>th</sup> March 2015.**

### Professional Society

- ✚ **Dr.P.A.Manoharan IEEE Chair-Robotics and automation society delivered a technical seminar on “Robotics and automation” organized by the department of EEE for final year and third year students, on 30<sup>th</sup> September 2014.**

## **Industrial Visit**

### **Final year**

- ✚ Alamathy Substation 400kv
- ✚ Sunguvachatram Substation
- ✚ Korattur Substation 230kv

### **Third Year**

- ✚ Alamathy Substation 400kv
- ✚ Sunguvachatram Substation
- ✚ Korattur Substation 230kv
- ✚ Mettur Thermal Power Station
- ✚ Pykara Mini Hydro Power House
- ✚ Sriperumbudur Substation 400kv
- ✚ Mettur Hydro Power Station

### **Second Year**

- ✚ Excel Automation,Chrompet
- ✚ Sriperumbudur Substation 400kv
- ✚ North Chennai Thermal Power Station
- ✚ Avadi 110KV Substation

## **Details of workshop, seminars, conference, papers published in the journal by the faculties of Department of Electrical and Electronics Engineering**

### **FDP**

- ✚ **Prof A.SARAVANAN HOD/EEE** coordinated and attended the Faculty Development Training Program on EE2353-High voltage engineering from 15<sup>th</sup> dec 2014 to 21<sup>st</sup> dec 2014..
- ✚ **R.Jayasathya**, Asst Prof. attended FDP on “special electrical machines” at Karpaga Vinayaga College of Engineering And Technology from 23<sup>rd</sup> June to 29<sup>th</sup> June 2014.
- ✚ **M. Shadhik**, Asst Prof. attended FDP on “power system operation and control” at Valliammai Engineering College from 12<sup>th</sup> may to 17<sup>th</sup> may 2014.

- ✚ **Y.B.Kishorekumar**, Asst Prof. attended FDP on “control system” was organized by Agni College of Engineering and Technology from 16<sup>th</sup> June to 22<sup>nd</sup> June 2014.
- ✚ **M. Shadhik**, Asst Prof. attended FDP on “control system” at VELS University from 2<sup>nd</sup> dec to 12<sup>th</sup> dec 2014
- ✚ **K.Sampath** Asst Prof. EEE attended FDP on “control system” at Rase Collge of Engineering from 7<sup>th</sup> dec to 15<sup>th</sup> dec 2015.
- ✚ **M.Deepak** Asst Prof. EEE attended FDP on “control system” at Rase college of engineering from 7<sup>th</sup> dec to 15<sup>th</sup> dec 2015
- ✚ **K.Babu** Asst Prof. EEE attended FDP on “power system operation and control” at IFET College Of Engineering And Technology from 12<sup>th</sup> may to 17<sup>th</sup> may 2014.
- ✚ **M. Shadhik**, Asst Prof. attended a Workshop program in “electrical drives for defence application” at SSN College of engineering on 23<sup>rd</sup> Jan 2015.

#### **Faculty Publication Details:**

- ✚ **A.Saravanan** has Published a technical paper on “Hybrid Power Generation from the Light Energy Emitted from the Tube lights and the Solar Energy” in the International Journal of Applied Engineering Research (**Anna university Annexure-II,Scopus**), ISSN 0973-4562 Volume 9, Number 22 (2014) pp. 12333-12340.
- ✚ **A.Saravanan** has Published a technical paper on “Reinforcement Learning Framework For Medical Image Segmentation Using Medical Images” in International Journal of Scientific Research Engineering & Technology (IJSRET) , ISSN 2278 – 0882 Volume 3, Issue 9.
- ✚ **A.Saravanan** has Published a technical paper on “Wireless Energy Transfer Technology Using Electromagnetic Coupling System” International **Journal of Science and Research (IJSR)**, Volume 3 Issue 12, ISSN (Online): 2319-7064 **Impact Factor (2012): 3.358**.
- ✚ **A.Saravanan** has Published a technical paper on “Wireless Power Transmission using Resonance Induction Technique” International Journal of Innovative Research in Science, Engineering and Technology , ISSN: 2319-8753 Vol. 3, Issue 8.

## **Contributions made by the STUDENTS of Electrical and Electronics Engineering:**


### **National conference**

- ✚ **K.H.Gowrish, R.Vignesh** IV EEE Student Participated and presented paper In the **national Conference** On the Title, “**Industrial Rope Robot Environment Parameters Monitoring Using Smart Phone**” Organized By “Gojan School Of Business and Technology.

### **International conference**

- ✚ **R.Vignesh, Praveenraj, Shamirudeen** IV EEE Students Participated and presented paper In the **International Conference** On the Title, “industrial rope robot environment parameters monitoring using smart phone” Organized By “All India Association for Innovative Engineers.
- ✚ **S. Sivalingam, K.Meersulaiman** IV EEE Students Participated and presented paper In the **International Conference** On the Title, “petrol electric hybrid vehicle with smart grid applications” Organized By “All India Association for Innovative Engineers.
- ✚ **Anisha Banu.G, Ancy Vinobha.A, Dayanadhi.G** IV EEE Student Participated and presented paper In the **International Conference** On the Title, “**Autonomous E-Agricultural Robot** ” Organized By “All India Association for Innovative Engineers.
- ✚ **S.Kalpana, D.Nivedha, K.Vinodha** IV EEE Students Participated and presented paper In the **International Conference** On the Title, “**Design Of Hybrid System (Wind & Light) Using Reflector For Isolated Areas**” Organized By “All India Association for Innovative Engineers.
- ✚ **K.H.Gowrish, Sivakumar.P, S.Elangovan** IV EEE Student Participated and presented paper In the **International Conference** On the Title, “**Solar Panel Performance Monitoring Using Android Application In A PV Array** ” Organized By “All India Association For Innovative Engineers.

## **Technical and Non Technical Events**

 **44 students of II, III and IV<sup>th</sup> year have participated in various technical and non technical events conducted in and around Chennai.**

**The events are**

**Thank you**