

### About us:

In 1998 Electrical & Electronics Engineering department was established. And further the course of M.E – Power Electronics and Drives has been instigated in the academic year 2011- 2012. The department has well equipped laboratory with qualified and experienced faculty members including specialization in various fields of knowledge. Our department provides students with a fundamental background in the basic theoretical concepts and technological principles of modern electrical engineering. A flexible curriculum allows students to emphasize a wide variety of subject areas within the field.

A common effort of electrical engineers is to make components smaller, faster, more energy efficient and economic.

### VISION

To be recognized as centre of excellence in Electrical and Electronic Engineering, contribution to the needs of stakeholders.

### MISSION

To impart quality education through comprehensive exposure, value additions and effective teaching learning process.

To facilitate learning environment in view of challenges in the field of Electrical and Electronics Engineering.

To provide platform for students to update the contemporary knowledge with professional quality and commitment to lifelong learning.

### Guest lecture:

- ❖ The department of Electrical and Electronics Engineering organized one day Guest lecture entitled “Recent Trends in Power Electronics And Power Systems” for final year students on 26<sup>th</sup> July 2017. S.Sivasubramaniyan, Executive Engineer, TNEB, Gobichettipalayam, delivered this lecture.



- ❖ The department of Electrical and Electronics Engineering organized one day Guest lecture entitled “Electrical Machines” for third year students on 30<sup>th</sup> August 2017. Dr.V.Vasan Prabhu, M.E., Ph.D., Associate Professor/EEE, St.Joseph College of Engineering, Chennai, delivered this lecture.



### **Conference / Workshop/ FDP (Faculty):**

- ❖ J.Gopi, E.Muthukumar & K.Arunkumar, Assistant Professor are participated in the AICTE sponsored two week Faculty Development Programme on “Power Converters, Control And Grid Integration Of Renewable Energy Sources” organized by Department of Electrical and Electronics Engineering, SSN College of Engineering, Chennai from 15<sup>th</sup> November to 29<sup>th</sup> November 2017.
- ❖ S.Pandiarajan, Assistant Professor is participated in the two weeks Faculty Development Programme on “Analysis Of Power System Protection And Automation – Current Scenario” organized by Department of Electrical and Electronics Engineering, KCG College of Technology, Chennai from 26<sup>th</sup> November to 9<sup>th</sup> December 2017.
- ❖ D.Tamilselvan, G.Gurumoorthy, K.Bharani, S.Rajasekar, D.Jayaraj and B.Muthuselvi, Assistant Professors is participated in the one week Faculty Development Programme on “Power System Operation And Control” organized by Department of Electrical and Electronics Engineering, University College of Engineering, Srirangam Campus from 6<sup>th</sup> to 12<sup>th</sup> December 2017.

### **Conference / Paper Presentation / Workshop / Events attended (Students):**

- ❖ Y.Sayed Aasique, J.Mohamed Aslam, A.Nafees Ahamed and K.M.Mohamed Lukman from third year EEE has participated in the “Grid Connected And Isolated PV Solar Plant Design Using PVSYST” one day National level workshop organized by Department of Electrical and Electronics Engineering, Saranathan College of Engineering, Tiruchirappalli on 28<sup>th</sup> July 2017.
- ❖ S.Reshma Farha and M.Yuvapriya from final year EEE have presented a paper in National Level Technical Symposium (SCIENZA'17) of TRP Engineering College, Samayapuram on 8<sup>th</sup> September 2017.

- ❖ A.Asiq Noor Mohamed, M. Mohamed Hssain, S.Vijay, M.Riyaz Mohamed, T.Soban Raj and A.Anwar Basha from final Year EEE students are participated in the One day National Level Workshop on “Photovoltaic Solar Power Plant Design And Optimization” Organized by the Department of Electrical & Electronics Engineering, Muthayammal Engineering College, Namakkal and sponsored by The Institution of Engineers (India) Student Chapter on 9<sup>th</sup> September 2017.
- ❖ S.Shahana Begam from third year and M.Aaliya Banu and S.Reshma Farha from final year EEE students are participated in the One day Workshop on “Innovation And Communication Skills” Organized by Shri Dewang Mehta Foundation Trust and supported by NASSCOM and Anna university, Chennai held on University College of Engineering, Bharathidasan Institute of Technology, Anna University, Tiruchirappalli on 15<sup>th</sup> September 2017.
- ❖ S.Salman Khan from third Year EEE student is participated in the One day seminar on “Smart Grid – Future Electric Grid” Organized by the Department of Electrical & Electronics Engineering, Kings College of Engineering, Thanjavur and jointly organized IEEE student branch (IEEE STB 16621) on 27<sup>th</sup> September 2017.
- ❖ A.Anifnabi & S.Sivasankar, third year EEE students are undergone the inplant training in 230 KV sub -station, Pudukkottai from 20<sup>th</sup> to 24<sup>th</sup> November 2017.
- ❖ M.Jasima Nasreen, final year EEE student is undergone the internship training in NBC Engineering, Dubai from 28<sup>th</sup> November to 16<sup>th</sup> December 2017.

### **Publication (Faculty):**

- ❖ Dr.L.Jebaraj, Associate Professor & Head with two other authors are published a paper entitled “Performance Comparison Of TCSC And Split TCSC Under ATC Enhancement Through Plant Root Foraging Algorithm”, Vol.17, Issue.4, pp:193 – 204, 2017 in Journal of Electrical Engineering.

- ❖ L.Jebaraj Associate Professor & Head with three other authors are published a paper entitled “Application Of Differential Evolution Algorithm In Static And Dynamic Economic Or Emission Dispatch Problem : A Review” Volume 77, September 2017, pp: 1206-1220 in Renewable and Sustainable Energy Reviews (Elsevier).

**Industrial Visit:**

- ❖ One day industrial visit organized for final year EEE students on 20.07.2017 At Larson And Toubro (L&T) Switch Gear Training Centre, Coonoor to know about the technical background of operation and maintenance of various types of switch gears, contactors and panels.



- ❖ One day industrial visit organized for third year EEE students on 28<sup>th</sup> July 2017 at Padmavahini Transformers Private Limited, Coimbatore to know about the technological backdrop of power transformer manufacturing and diverse testing procedures.



- ❖ One day industrial visit organized for second year EEE students on 24<sup>th</sup> August 2017 at Pentagon Switchgear Pvt. Ltd, Coimbatore to know about the technological backdrop of diverse testing procedures in circuit breaker and design of panel boards.

**Faculty Achievements:**

**NPTEL Certification Program:**

Name of the Faculty	Name of the Course	Grade
S Pandiarajan	Basic Electrical Circuits	Successfully Completed
G.Gurumoorthy	Advances In UHV Transmission And Distribution	Successfully completed
K.Bharani	Power System Analysis	Successfully Completed
D.Tamilselvan	Electrical Machines - I	Successfully Completed
J Gopi	Design Of PV Systems	Successfully Completed
E.Muthukumaran	Power System Analysis	Successfully Completed
S.Samaya Sanjeevi	Electrical Machines - I	Successfully Completed

**Industry Based Value Added Course:**

Value added course on “EE00117 Design Of Power Converters And Applications” have been conducted for department of Electrical and Electronics Engineering final year students during July 2017 to September 2017. All the students learn the basic concept of the courses. Effectiveness of the Value added courses were found good and well utilized. Student’s feedback was found good and appreciated for the efforts made. Mr.J.Gopi, Assistant professor/EEE handled both theory and practical sessions.

The examination on the course was held on 27-09-2017. In which 80% of the students have secured 60-85 marks and 20% secured 50-60 marks.

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