



# NEWSLETTER



S.A. Engineering College



**SEPTEMBER 2023**

## **ABOUT THE DEPARTMENT**

The Department of Electrical and Electronics Engineering was established in the year 2001 and got permanent affiliation with Anna University in 2013. The Post Graduate Programme M.E. Embedded System Technologies (EST) was established in the year 2006. The department has dedicated and well expertised Faculty members. The faculty members publish papers periodically in reputed journals indexed by WOS, SCI and Scopus. The curriculum and syllabus is updated periodically as per the recommendation of board of studies to ensure enriched knowledge in recent trends.

The Department has well equipped laboratories viz. Electrical Machines Lab, Engineering Practices Lab, Control and Instrumentation Lab, Power Electronics Lab, Electron Devices and Circuits Lab, Linear and Digital Integrated circuits lab, Renewable Energy Systems Lab, R&D Lab. They are upgraded from time to time to provide adequate opportunities for students to learn and innovate.

Our Department promotes the professional skills of students through societies like Indian Society for Technical Education (ISTE) and Institute of Electrical and Electronics Engineers (IEEE). The Career guidance programme and Entrepreneurship awareness programme are also carried out through the association of EEE.

## **Academic Counsellors**

**Dr.G.ROHINI**  
Professor & HEAD  
Head of the Department

**Dr.S.SENDIL KUMAR**  
PROFESSOR

**Dr.S.KAMALAKKANNAN**  
PROFESSOR





### **VISION:**

Conferring Excellent Technical Education with Greater Emphasis on Quality Systems, Moulding Persons for the National Development.

### **MISSION:**

To Enhance quality education by providing State-of-Art Infrastructure with Committed Faculty.  
To Provide prerequisite skills for the needs of Higher Education, Industries and Research establishments.  
To Handle Socio Economic Challenges of Society by Instilling Human Values and Ethical Responsibilities.

### **PROGRAM EDUCATIONAL OBJECTIVES:**

Bachelor of Electrical and Electronics Engineering curriculum is designed to prepare the graduates having attitude and knowledge  
To demonstrate enhanced competence for successful career in the core and allied fields of Electrical & Electronics Engineering.  
To explore challenges in higher education and research with a multidisciplinary perspective and effective communication for lifelong learning.  
To inculcate entrepreneurial skills, upholding professional ethics, cultural aspects, societal and environmental factors for sustainable development.  
To adapt evolving technologies and stay contemporary to cultivate leadership quality through effective collaboration.

### **PROGRAM SPECIFIC OUTCOMES**

#### **Students will be able to:**

Utilize coherent theoretical and practical methodologies to design and implement Electrical and Electronics systems.  
Assimilate facts of basic Electronics to Power Electronics and recent embedded technologies for governing, consistent and workable Electrical and Electronics Systems.  
Apply computing platform and developing software for power grids and hybridizing the new renewable energy to overcome the power demand.

# STUDENTS ACTIVITIES

## EVENTS ORGANIZED FOR STUDENTS

### INDUSTRIAL VISIT:



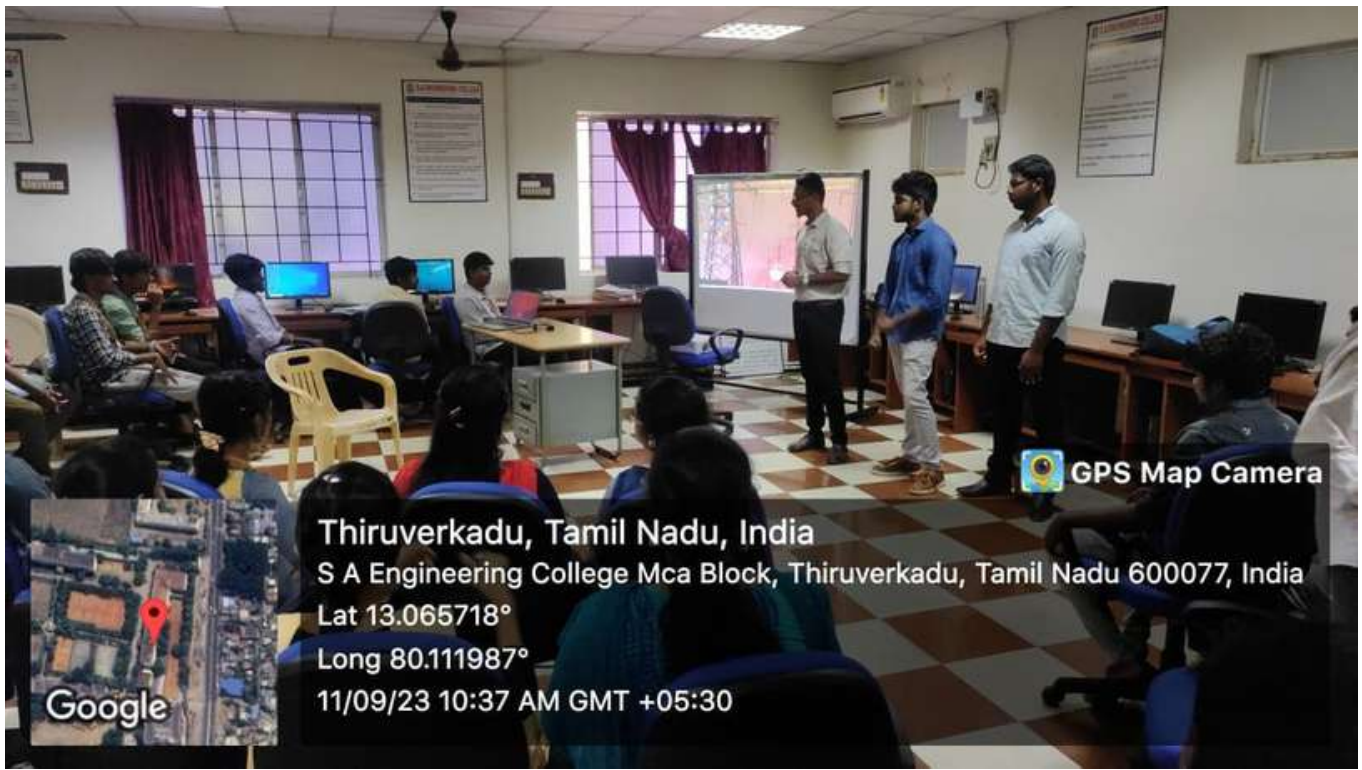
Industrial visit to **NORTH CHENNAI THERMAL POWER STATION, THIRUVALLUR** was organized for 2nd Year EEE A students on **26th September 2023** and EEE B students on 27th September 2023 which educated the students about the Power generation and its transmission.

This visit has enhanced pupils' knowledge on Power System as they observed the real world application of classroom knowledge.

## VALUE ADDED COURSES:



The Value added course conducted on **ARDUINO AND IOT** by **IOLOGIX** organized by EEE Department on **11th to 15th SEPTEMBER, 2023** for EEE A and **19th to 22nd & 25th SEPTEMBER, 2023** for EEE B, 2nd YEAR. This course has made students to gain insight and experience on **Microcontroller Arduino and Internet of Things (IOT)** which is a tremendous opportunity as it is the basis for the Embedded Systems.



The Value added course directed by EEE Department on **ETAP AND PSCAD SOFTWARE** by **POWER PROJECTS** on **11th to 15th SEPTEMBER, 2023** for EEE A and **20th to 22nd SEPTEMBER ,2023 & 25th to 27th SEPTEMBER, 2023** for EEE B, 3rd YEAR. This course has enhanced students' knowledge on power system analysis as it is one of the vast industrial sector. This course has improved students vision on various software for power systems.

## SYMPOSIUM:



The 3rd Year EEE B students have actively participated in **HACKERZ- NATIONAL LEVEL TECHNICAL SYMPOSIUM** conducted by The Department of Computer Science and Engineering at **CHENNAI INSTITUTE of TECHNOLOGY** on **19th SEPTEMBER, 2023**.