



# NEWSLETTER



S.A.Engineering College



**JULY 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). 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

### GUEST LECTURE:



The Guest lecture organized by EEE Department on **LOAD FLOW ANALYSIS** by **Mr. A.S SETHURAMAN (EXECUTIVE ENGINEER, POWER PROJECTS)** attended by the **3rd Year** students on **20th JULY, 2023** covered the **Basics of load flow analysis** by using **ETAP Software** and its significance in power system by preventing the system overloads and short circuit risks which benefited the attendees with key insights and practical knowledge.



The Guest lecture on **INNOVATION TECHNIQUES IN SMART GRID AND MICRO GRIDS** by **Mr. K. SAKTHIPRASATH (MANAGING DIRECTOR, DYNAMIC CAD)** arranged by EEE Department exclusively for **FINAL YEAR** students on **21st JULY, 2023** enclosed the techniques for sustainable environment and knowledge about the importance of energy sustainability and efficiency which was a valuable opportunity to the students for their future career.

## WEBINARS\SEMINARS:



The virtual seminar on **MATLAB AWARENESS** was organized by **EEE DEPARTMENT** was conducted on **4th AUGUST, 2023** on the account of **MATLAB DAY** for **3rd Year** students covered the introduction to MATLAB organization and the advantages of using MATLAB software in real world.

## PROJECT CONTEST:



Project presentation was organized by **EEE Department** in association with **IEEE SB and IIC** on **19th JULY, 2023** where **Dr. G. ROHINI (Professor & HOD)**, **Dr. SENDIL KUMAR (Professor)** and other faculty members of EEE reviewed the students project. This event has created a great platform for the students to present their innovative projects

## IEEE EVENT



IEEE SB in association with EEE Department organized **TECHNO QUIZ** on **26th JULY, 2023**.

Technical Quiz on various topics such as network analysis and so on were discussed by IEEE SB students.

This events have enlightened the students knowledge on numerous technical topics.

## INTERNSHIP:



**MARIA FRANCIS.J** of EEE B, 3rd Year student of EEE Department has successfully completed **Online internship** on **PCB SIMULATION BASICS** with **SURYA'S MIB DIGITAL SERVICES** for the period of 15 days during the month of JULY, 2023.

## PLACEMENT TRAINING:



The **Mock interview** was conducted by the EEE Departments for the FINAL YEAR students on **21st JULY, 2023** where the students appeared for the interview in front of the mock HRs from MBA Department, Dr. AJAY (Professor) and Dr. SASIKALA (Professor). This event has improved the students' vision on attending an interview and prepared the students for facing the real world interviews.