



# NEWSLETTER



S.A.Engineering College



August 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.

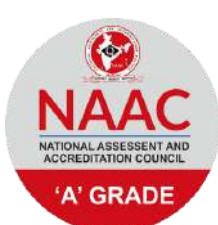
Our Department promotes the professional skills of students through societies like Indian Society for Technical Education (ISTE) and Institute of Electrical and Electronics Engineers (IEEE). Career guidance Programme and entrepreneurship awareness Programme are also carried out through the association 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 conducted on the topic  
**ELECTRICAL INTRODUCTION AND PLACEMENT SECTION** by  
**Mr. SATHISH KUMAR**  
**(ECI SYSTEM PRIVATE LIMITED)** on **21st AUGUST, 2023**  
organized for 3rd Year students by EEE Department has  
enlightened the students about the various placement options  
provided by numerous companies.

The lecture also delivered the introduction to industrial automation

## INDUSTRIAL VISIT:



Industrial visit to the  
**ECI SYSTEM PRIVATE LIMITED, THIRUMUDIVAKKAM**  
for the 3rd YEAR EEE A students on 24th AUGUST, 2023 and  
EEE B students on 26th AUGUST, 2023 has provided a great experience  
for the pupils on **INDUSTRIAL AUTOMATION** and **PLC SOFTWARE**.  
The visit has educated the students about the real life implementation  
of the automation in industries and the intricacies of Programmable  
Logic Controllers.

## WORKSHOP:



Workshop on **INDUSTRIAL AUTOMATION** and **PLC SOFTWARE**  
on **22nd and 23rd AUGUST,2023** provided by  
**ECI SYSTEM PRIVATE LIMITED** for **3rd Year** EEE students which was  
directed by EEE Department prior to the industrial visit has created a great chance  
for the pupils to understand the basics of industrial automation and the details of  
**Programmable Logic Controllers(PLC).**

This workshop has provided the knowledge of industrial automation ranging  
from the basics of the electrical systems and the intricacies of the PLC and I  
adder logic programs.

## VALUE ADDED COURSE:



The value added course on **BATTERY MANAGEMENT SYSTEM AND ELECTRIC VEHICLE TECHNOLOGY** conducted by the **DYNAMIC CAD** exclusively for the **FINAL YEAR** students on **16th to 18th AUGUST, 2023** and **21st AUGUST, 2023** by the EEE Department has created a delightful opportunity for the pupils to understand the battery management system of electric vehicles. This course has added value to the students future career and created a vast knowledge on one of the blooming industry in today's world which is Electric Vehicle manufacturing.

# IEEE EVENT



IEEE Event on **BUSINESS IDEAS** conducted by  
**IEEE** Co-ordinator exclusively for the **3rd year** students  
on **31th August 2023** by the EEE Department has encouraged the innovative  
business ideas within the technology and engineering sectors. These events  
provide a platform for participants to pitch their entrepreneurial concepts.

Participants may receive feedback, mentorship and opportunities for  
collaboration. It's a great opportunity to network, refine business ideas, and  
potentially launch technology – based **startups**.

# SYMPOSIUMS



The **3rd YEAR EEE B** students have participated in **NATIONAL LEVEL TECHNICAL SYMPOSIUM** presented by Department of Electrical and Electronics Engineering conducted by **St. JOSEPH COLLEGE OF ENGINEERING** on **5th AUGUST, 2023** where the students have actively taken part in many events organized by the department.

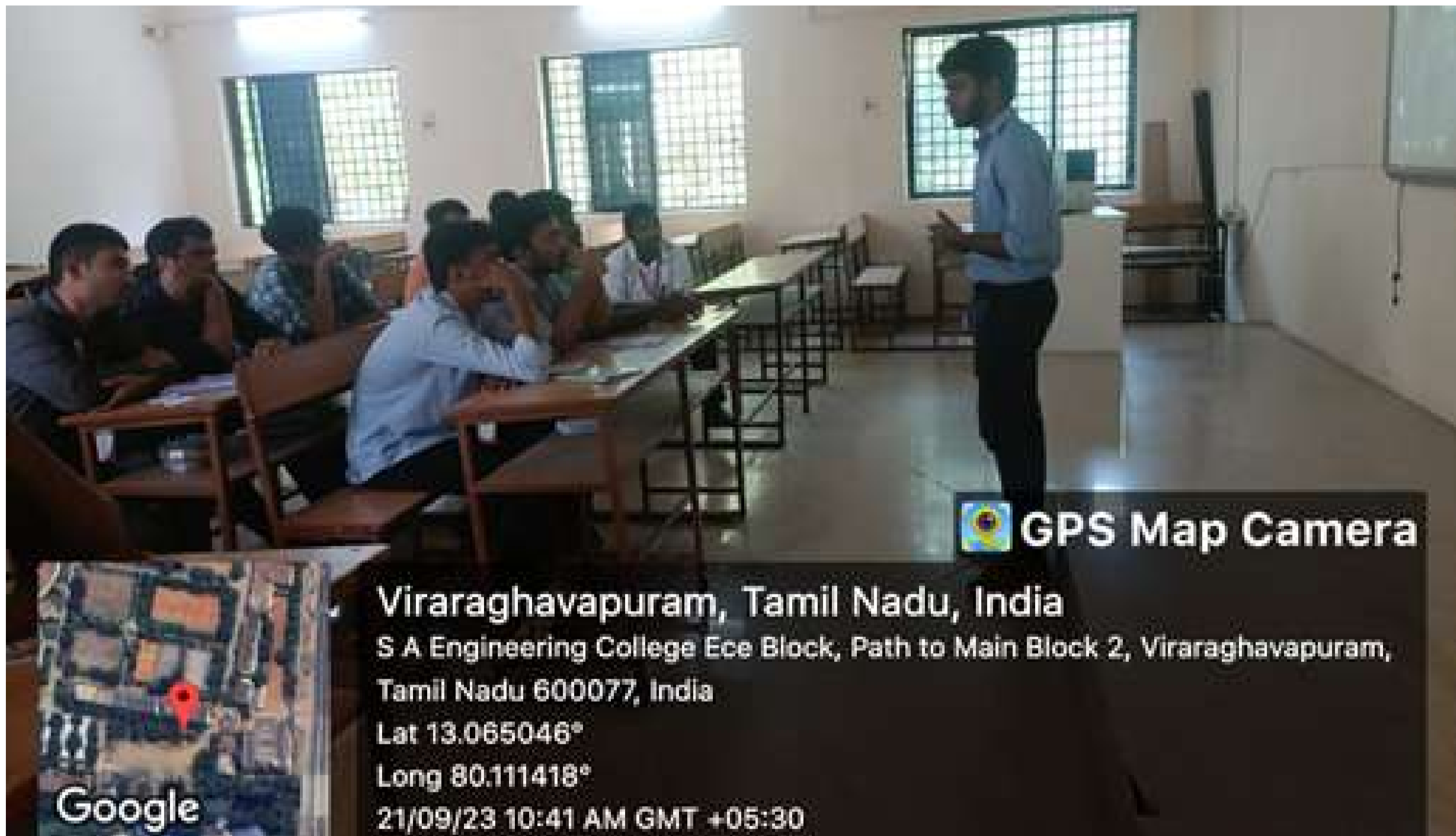


# INTERNAL HACKATHON



The internal hackathon for **SMART INDIA HACKATHON** was conducted by EEE Department for the entire college level on **13th & 14th AUGUST, 2023** was a dynamic event that fostered creativity and collaboration among the students. Participants showcased their problem-solving skills and developed innovative solutions. It was an amazing event which committed to nurture young talent and driving innovation in-house.

# ALUMNI INTERACTION



The Notable alumnus **Mr. MANOJ KUMAR (2019 – 2021 batch)** from EEE Department who has placed in **COGNIZANT TECHNOLOGY SOLUTIONS** has interacted with current **FINAL YEAR** students and enlightened them about the current job opportunities and imported knowledge on career guidance on **21st AUGUST, 2023**.