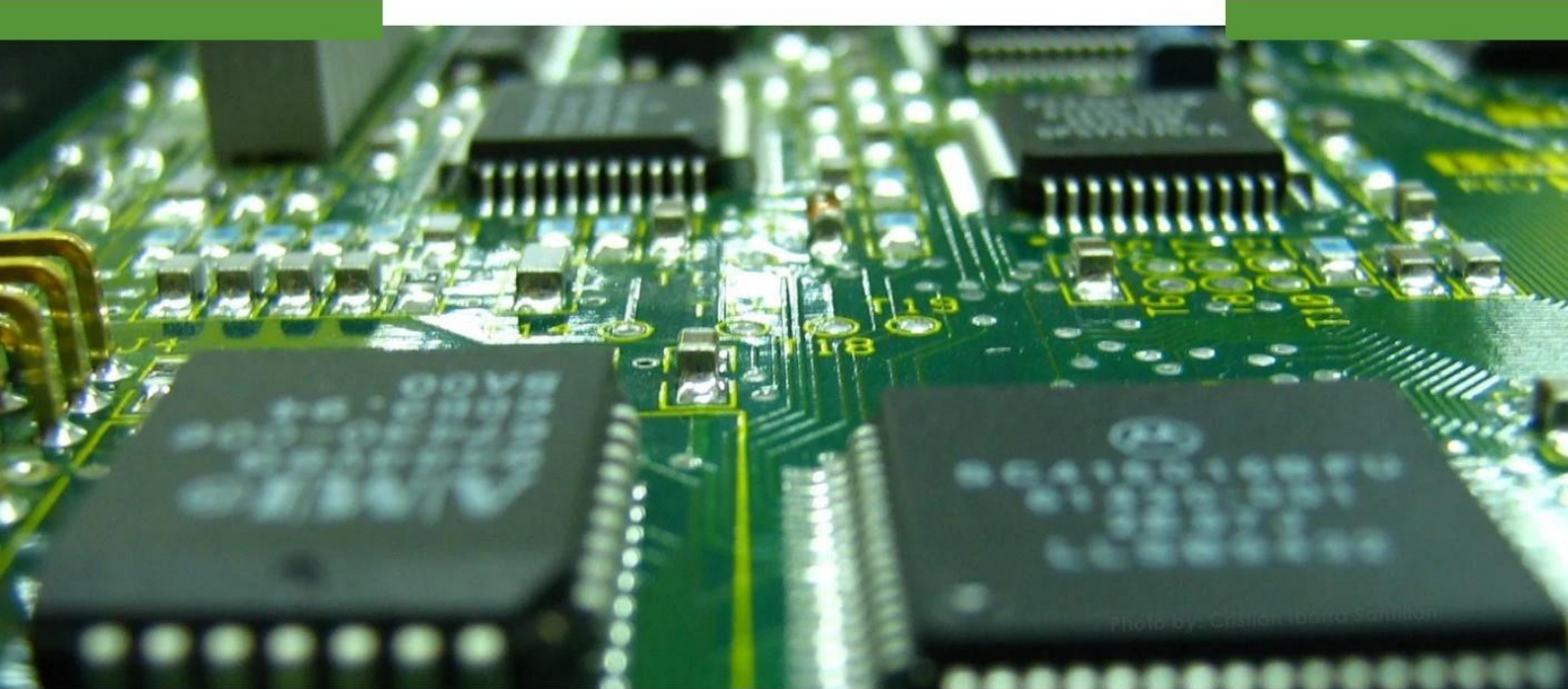


»»» NEWSLETTER «««

# S.A.ENGINEERING COLLEGE (AUTONOMOUS)

ACCREDITED BY NAAC WITH 'A' GRADE & ISO 9001:2015 CERTIFIED INSTITUTION  
POONAMALLEE AVADI MAIN ROAD, CHENNAI-77



## TOP NEWS OF THE MONTHS

### DEPARTMENT OF ELECTRICAL AND ELECTRONICS



People always fear change. People feared electricity when it was invented, didn't they?

– Bill Gates



Electric power is everywhere present in unlimited quantities and can drive the world's machinery without the need of coal, oil, gas or any other of the common fuels.

-Nikola Tesla

**JUN2019-AUG2019**

## **VISION**

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

## **MISSION**

- **To Enhance the 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

### **Graduates will be able**

PEO 1: To demonstrate enhanced competence for successful career in the core and allied fields of Electrical & Electronics Engineering.

PEO 2: To explore challenges in higher education and research with a multidisciplinary perspective and effective communication for lifelong learning.

PEO 3: To inculcate entrepreneurial skills, upholding professional ethics, cultural aspects, societal and environmental factors for sustainable development.

PEO 4: To adapt evolving technologies and stay contemporary to cultivate leadership quality through effective collaboration.

## PROGRAM OUTCOMES

### Engineering Graduates will be able to:

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

## **PROGRAM SPECIFIC OUTCOMES (PSO)**

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

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

### **EDITORIAL BOARD**

- **Mrs.N.Magadevi**                      **Editor In Chief**
- **Mr.R.Kamalakannan**              **Editor**
- **Mr.S.Vignesh**                        **Editor**
- **Ms.H.Monika**                        **Editor**
- **Mr.P.Vishwanath**                  **Web and Graphics Editor**

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<b>2</b>	<b>31.06.2019</b>	<b>INDUSTRIAL VISIT</b>	<b>III-YEAR B</b>
<b>3</b>	<b>13.07.2019</b>	<b>GRADUATION DAY</b>	<b>Pass out year</b>
<b>4</b>	<b>24.07.2019</b>	<b>PROJECT PRESENTATION</b>	<b>FINAL YEAR</b>
<b>5</b>	<b>30.07.2019</b>	<b>INDUSTRIAL VISIT</b>	<b>III-YEAR A</b>
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<b>8</b>	<b>13.08.2019</b>	<b>PROJECT PRESENTATION</b>	<b>FINAL YEAR</b>
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<b>12</b>	<b>26.08.2019</b>	<b>VALUE ADDED COURES</b>	<b>FINAL YEAR</b>
<b>13</b>	<b>26.08.2019</b>	<b>NSS</b>	<b>EEE STUDENT</b>



05/06/2019

## INDUSTRIAL VISIT



The department of EEE has organized Industrial visit for Final year students at Kerala electricity board at 05/06/2019

31/06/2019

## INDUSTRIAL VISIT



Our Third year 'B' Section students went to Industrial Visit at kalaivani electricals, Thirumudivakkam. Kalaivani Electricals an ISO 9001-2008 certified company has been manufacturing wide range of Instrument Transformers from 0.66kV to 33kV over last 15 Years.

13/07/2019

## GRADUTION DAY



S.A.Engineering College welcomed **Hon'ble. Justice. Thiru T.Raja, Judge, Madras High Court** today as the **chief guest** of the **17<sup>th</sup> graduation day 2019** held at our campus. **Hon'ble.Thiru.Justice T.Raja**, distributed the certificates to the 898 graduated students and addressed the gathering.

24/07/2019

## PROJECT PRESENTATION



**The department of EEE has organized the project presentation on 24/07/2019.** Our Final year students presented the projects titled BIONIC ARM



30/07/2019

## INDUSTRIAL VISIT



Our Third year 'A' Section students went to Industrial Visit at Kalaivani Electricals, Thirumudivakkam. Kalaivani Electricals an ISO 9001-2008 certified company has been manufacturing wide range of Instrument Transformers from 0.66kV to 33kV over last 15 Years.

01/08/2019

## GUEST LECTURE



The department of EEE has organized the Guest Lecture on “**RECENT TRENDS IN POWER SYSTEMS AND POWER SYSTEM ANALYSIS**” on 01.08.2019. The head of the department, Mrs. N. Magadevi felicitated the chief guest **Dr.P.SOMASUNDARAM, ASSOCIATE PROFESSOR, DEPARTMENT OF EEE, ANNA UNIVERSITY, CHENNAI.** with the memento. As a forum to exchange innovative developments in power system analysis, the event attracted over 80 students. He shared his experience with the students and explained about the Recent Trends In Power Systems And Power System Analysis.

02/08/2019

## GUEST LECTURE



The department of EEE has organized the Guest Lecture on “CORPORATE EXPECTATIONS FROM BUDDING ENGINEERS” on 02.08.2019. The head of the department, Mrs. N. Magadevi felicitated the chief guest **Dr.R.GAYATHRI, ASSISTANT MANAGER, TALENT MANAGEMENT, KONE ELEVATORS INDIA PVT. LTD., CHENNAI** with the memento. As a forum to exchange innovative developments in Budding Engineering, the event attracted over 87 students. He shared his experience with the students and explained about the Corporate Expectations From Budding Engineering.

13/08/2019

## PROJECT PRESENTATION



The department of EEE has organized the project presentation on 13/08/2019. Our final year and third year students presented the projects for ARM Contest.

14/08/2019

## INDUCTION DAY



Induction programme is an initiative to groom the overall personality of students and make them acquainted with the culture of the institution. The Induction Programme for the students of **FIRST YEAR** Engineering, MBA & MCA was held on **14th August 2019**. The aim of the programme was to ensure that every student feels welcomed, engaged and excited to begin this new important stage in their education. The idea was to make the students aware of their prospective opportunities and to show them the path they have to adopt in order to become successful engineers.

The chief guest of the event was Discourse Professor. Aranga Ramalingam. He suggested the students to develop three success principles to win their lives. To mention them – they should have Knowledge, Character & Perseverance.



15/08/2019

## TREE PLANTATION



NSS Committee of S.A. Engineering college organized the Tree Plantation at ambattur on 15<sup>th</sup> august 2019 on account of Independence day. Our Third Year students planted 50 Plants in various areas in ambattur.

19/08/2019

## GUEST LECTURE



The department of EEE has organized the Guest Lecture on **“ELECTRIC RELAYS & CIRCUIT BREAKERS”** on 19.08.2019. The head of the department, Mrs. N. Magadevi felicitated the chief guest **Mr.GOVINDHAN SELVAM, MANAGING DIRECTOR, G.K. POWER EXPERTISE PVT LTD., CHENNAI.** with the memento.

As a forum to exchange innovative developments in Protection and switch gear, the event attracted over 83 students. He shared his experience with the students and explained about Electric Relays & Circuit Breakers.

26/08/2019

## VALUE ADDED COURSE



**The department of EEE has organized the Value added course on “Python programming”** conducted for final year students on 26/08/2019. Python is commonly used for developing websites and software, task automation, data analysis, and data visualization. Since it's relatively easy to learn, Python has been adopted by many non-programmers such as accountants and scientists, for a variety of everyday tasks, like organizing finances.

26/08/2019

## NSS



NSS Committee of S.A. Engineering college organized the Campus cleaning activities on 26/08/2019 by our EEE department students.