

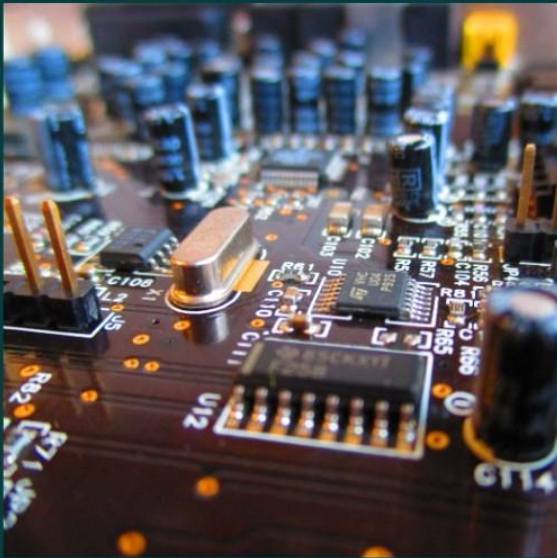
THE NEWSLETTER

S.A.ENGINEERING COLLEGE (AUTONOMOUS)

ACCREDITED BY NAAC WITH 'A' GRADE & ISO 9001:2015 CERTIFIED INSTITUTION

POONAMALLEE AVADI MAIN ROAD, CHENNAI-77

DEPATMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



I was originally supposed to become an (Electrical) engineer but the thought of having to expend my creative energy on things that make practical everyday life even more refined, with a loathsome capital gain as the goal, was unbearable to me.

-Albert Einstein

TOP NEWS OF THE MONTHS

JAN2019-MAR2019

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

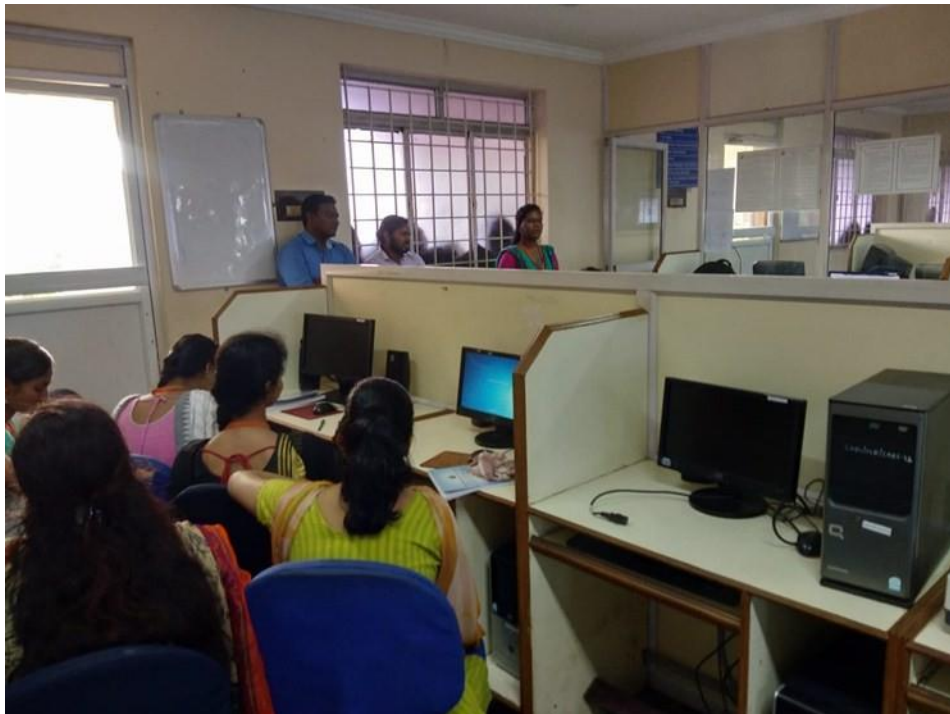
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 - **Mr.R.Kamalakaran** Editor
 - **Mr.S.Vignesh** Editor
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 - **Mr.S.Vishwanath** Web and Graphics Editor
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1st - 5th Jan 2019

VALUE ADDED COURSE



The department of EEE has organized Value added course for 3rd year students in the topic of C, C++ and Java which will be useful during placements to write the programs.

23rd-25th JAN 2019

PLACEMENT TRAINING



The department of EEE has organized Placement training for the final year students. Campus placements play a major role in shaping up the career goals of students. It is the dream of every engineering student to get placed in a top organization visiting their campus for recruitment. The Placement Training course helps students enhance their employability skills on C, C++ and Java.

25/01/2019

GATE AWARENESS



Gate awareness program for 3rd and 2nd year

The department of EEE has organized a “GATE AWARENESS PROGRAMME” which is helpful to score marks and to get placed in Central government job opportunities and to get Ph.D. admissions in IISc, IITs and Central Universities. Government of India provides scholarship to GATE qualified candidates. The purpose of the GATE exam is to test students “knowledge and understanding of their under Graduate level subjects in Engineering and Science”.

26/01/2019

ALUMNI INTERACTION



The department of EEE has organized an “**Alumni meet**” interacted with the students to enhance our department and college on alumni day. The aim is to help college staff recognize the contribution of their ex-students in the professional world. This meeting gives ex-students the chance to gel with the people whom they have not met in years. Also, they can get connected with the principals and other staff.



S.A. Engineering college has organized the Alumni meet on 26th Jan 2019. Alumni meet is a gathering of passed out students of an institution and it is a place where the institution feels proud on seeing its successful alumni. During their meet, the alumni community shares their experience in the outside world, which they faced after stepping out of the institution.

05/02/2019

INDSUTRIAL VISIT



The department of EEE has organized an Industrial Visit for 3rd year “**BSNL Maraimalainagar**”, Bharat Sanchar Nigam Limited (abbreviated BSNL) is an Indian state- owned telecommunications company headquartered in New Delhi. It was incorporated on 15 September 2000 and assumed the business of providing telecom services and network management from the erstwhile Central Government Departments of Telecom Services (DTS) and Telecom Operations (DTO) as of 1 October 2000 on a going-concern basis. It is the largest provider of fixed telephony and broadband services with more than 60% market share, and is the fourth largest mobile telephony provider in India. BSNL is India's oldest communication service provider and its history can be traced back to the British era. During the British era, the first telegraph line, was established between Calcutta and Diamond Harbour.

14/02/2019

INDUSTRIAL VISIT



The department of EEE has organized an Industrial Visit for 3rd year A sec “**Thermal power plant**” on **14.2.2018**. A thermal power station is a power station in which heat energy is converted to electric power. In most of the places in the world the turbine is steam-driven. Water is heated, turns into steam and spins a steam turbine which drives an electrical generator. After it passes through the turbine, the steam is condensed in a condenser and recycled to where it was heated; this is known as a Rankine cycle. The greatest variation in the design of thermal power stations is due to the different heat sources; fossil fuel dominates here, although nuclear heat energy and solar heat energy are also used. Some prefer to use the term energy center because such facilities convert forms of heat energy into electrical energy. Certain thermal power stations are also designed to produce heat energy for industrial purposes, or district heating, or desalination of water, in addition to generating electrical power.

15/02/2019

INDUSTRIAL VISIT



The department of EEE has organized an Industrial Visit for 3rd year B sec “**Thermal power plant, Ennore**” on **14.2.2018**. Almost all coal, petroleum, nuclear, geothermal, solar thermal electric and waste incineration plants, as well as many natural gas power stations are thermal. Natural gas is frequently combusted in gas turbines as well as boilers. The waste heat from a gas turbine, in the form of hot exhaust gas, can be used to raise steam, by passing this gas through a heat recovery steam generator (HRSG) the steam is then used to drive a steam turbine in a combined cycle plant that improves overall efficiency. Power stations burning coal, fuel coal or natural gas are often called fossil fuel power stations.

08/03/2019

SPORTS DAY



The department of sports in S.A. Engineering College has inaugurated the “**Sports Day**”, Our EEE 2nd year B sec Mythili have secured 2nd place in 400m running and 4th year B sec Students (Srinath, Tamilzhselvam and Vignesh) have secured 2nd prize in cricket.

08/03/2019

WOMEN'S DAY CELEBRATION



The Women Empowerment committee has organized an International Women's Day (IWD) in S.A. Engineering College on March 8th every year. It is a focal point in the movement for **women's** rights. It is a day where women's are recognized for their achievements without regard to divisions, whether national, ethnic, linguistic, cultural, economic or political. **International Women's Day (IWD)** is a global holiday celebrated annually on March 8 as a focal point in the women's rights movement. IWD gives focus to issues such as gender equality, reproductive rights, and violence and abuse against women. Spurred on by the universal female suffrage movement, IWD originated from labor movements in North America and Europe during the early 20th century.

The earliest version reported was a "Women's Day" organized by the Socialist Party of America in New York City on February 28, 1909. This inspired German delegates at the 1910 International Socialist Women's Conference to propose "a special Women's Day" be organized annually, albeit with no set date; the following year saw the first demonstrations and commemorations of International Women's Day across Europe. After women gained suffrage during the Russian Provisional Government in 1917, IWD was made a national holiday on March 8; it was subsequently celebrated on that date by the socialist movement and communist countries. The holiday was associated with far-left movements and governments until its adoption by the global feminist movement in the late 1960s. IWD became a mainstream global holiday following its adoption by the United Nations in 1977. International Women's Day is a public holiday in several countries promoting the achievements of women.

09/03/2019

PAPER PRESENTATION



The department of CSE has organized a **“Paper Presentation”** on 09/03/2019 in S.A. Engineering College, Our 3rd year A sec students (N. Poonkodi, V. Rupesh, V.C. Hariharan and U. Raghu) are participated and secured 1st place.

ENTERPERSHIP AWARD



Our EEE department final year student T. Indumathi got the best EnterpernsHIP award. The Entrepreneurship Awards seek to recognize the efforts and achievements of exceptional entrepreneurs and those individuals and organizations who are working in the field of entrepreneurship development. The Awards also seek to highlight models of excellence for others to emulate and improve upon.

16/03/2019

STUDENTS INTERNSHIP



Our EEE department 3rd year students Revathy.k, Saipriya and Priyasharshini.L participated internship event at AMAZON. Amazon is an American multinational technology company focusing on e-commerce, cloud computing, online advertising, digital streaming, and artificial intelligence.¹ It is considered one of the Big Five American technology companies, alongside Alphabet (parent company of Google), Apple, Meta (parent company of Facebook) and Microsoft.