ISSUE 4, JAN 2019 - MAY 2022

The Newsletter

Department of
Electrical and Electronics Engineering

JAN 2019 - MAY 2022

S.A Engineering College

Thiruverkadu, Chennai - 600 077.

NBA Accredited & ISO 9001:2008 Certified Institution

Accredited by NAAC with 'A' Grade

VISION

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

MISSION

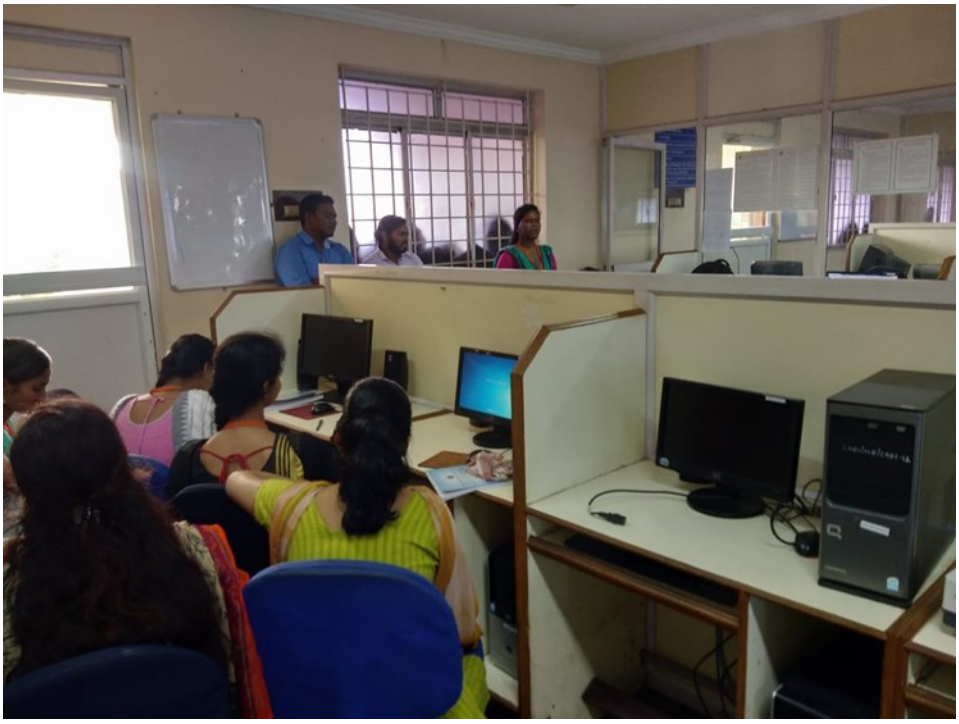
- **To Enhance the Quality Education by Providing State-of-Art Infrastructure with Committed Faculty.**
- **To Provide Prerequisite Skills For the Needs of Higher Education, Industries and Research Establishments.**
- **To Handle Socio Economic Challenges of Society by Instilling Human Values and Ethical Responsibilities.**

EDITORIAL BOARD

- **Mrs.N.Magadevi** **Editor In-Chief**
- **Mr.R.Kamalakannan** **Editor**
- **Ms.M.Lavanya** **Editor**
- **Mr. Suresh S** **Web and Graphics Editor**

1st - 5th Jan 2019

VALUE ADDED COURSE



Our department 3rd year students have attended the value added courses in the topic of C, C++ and Java which will be useful during placements to write the programs.

07/01/2019

STUDENTS INTERACTION OUTSIDE THE WORLD

Careers

- Exposure to multiple disciplines of Engineering
- Get recognized
- Offers of corporate / industrial internship
- Exposure to the global industrial workforce
- Array of opportunities in core industries world over

Robotz India is a platform that provides opportunity to school students to showcase their talents in bringing novel robotic technology & Advance forward in creating a new ultimate robotic machine. Robotz India will comprise of Robo Car Mania, Robotz Land and Robotz Space. Robo Carmania will teach the student's road safety rules through robotics. Robotz Land will include Gladiator pro and Robo-Garbage-Cleanser will make students design robots that overcome obstacles and will segregate and clean garbage. Robotz Space will include Mars rover and Glider mania where students will build a mars rover to explore and detect, Glider mania will make students to design and build rubber powered plane.

23rd–24th Jan 2019

VALUE ADDED COURSE

Our department 3rd year students have attended the value added courses in the topic of C, C++ and Java which will be useful during placements to write the programs.

23rd–25th JAN 2019

PLACEMENT TRAINING

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 PROGRAM

Gate awareness program for 3rd and 2nd year

A GATE Score is helpful to get Ph.D. admissions in IISc, IITs and Central Universities. Graduate Aptitude Test in Engineering or the GATE Exam is a popular exam for admission to post graduate engineering courses, 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. Every year lakhs of Engineering graduates passout from universities and engineering colleges.

26/01/2019

ALUMNI INTERACTION

Alumni interaction with the students to enhance our department and college on alumni day.

Registration during the alumni meet on 26th Jan 2019.

05/02/2019

INDSUTRIAL VISIT

Industrial visit, 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

3rd year, 14.2.2018, Thermal power plant

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

IV for 3nd year b section, Thermal Power plant, Ennore

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 oil, or natural gas are often called fossil fuel power stations.

08/03/2019

SPORTS DAY

Our 3rd year B student Mythili have got 2 place in 400m running, Our 4th year B section Students (Srinath, Tamilzhselvam, Vignesh) have got 2nd prize in cricket.

09/03/2019

PAER PRESENTATION

Our 3rd A year students N.Poonkodi, V.Rupesh, V.C.Hariharan and U.Raghu participated in paper presentation and got 1st place.

08/03/2019

WOMEN'S DAY CELEBRATION

Our college celebrated the women's day function. International **Women's Day** (IWD) is celebrated on March 8 every year. It is a focal point in the movement for **women's** rights.

12/03/2019

ENTERPERNSHIP AWARD

Our final year student T.Indumathi got the best Enterpernship award.

16/03/2019

STUDENTS INTERNSHIP

Our 3rd year students Revathy.k, Saipriya and Priyasharshini.L participated in internship event at AMAZON

05/06/2019

INDUSTRIAL VISIT

Our Final year students went to the industrial visit at Kerala electricity board at 05/06/2019

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 **17th 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.

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 manufac- turing wide range of Instrument Transformers from 0.66kV to 33kV over last 15 Years

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 manufac- turing 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

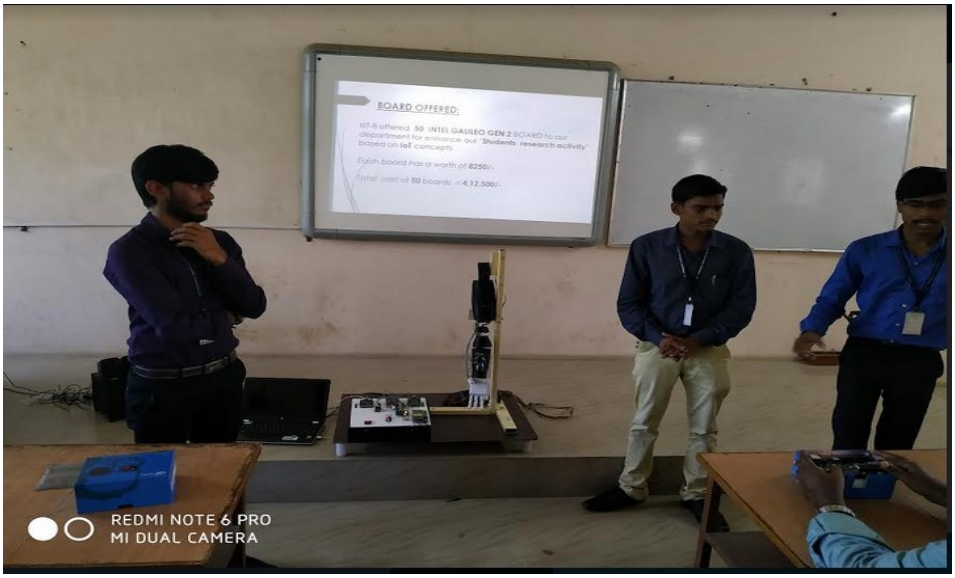
GUEST LECTURE

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.

24/07/2019

PROJECT PRESENTATION



Our Final year students presented the projects titled BIONIC ARM

13/08/2019

PROJECT PRESENTATION

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

Our Third Year students planted 50 trees at ambattur on august 15th 2019.

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.

21/08/2019

GUEST LECTURE

The department of EEE has organized the Guest Lecture on **"POWER QUALITY ENHANCEMENT TECHNIQUES"** on 21.08.2019. The head of the department, Mrs. N. Magadevi felicitated the chief guest **Dr.J.BALAMURUGAN, ASSISTANT ENGINEER, TANGEDCO,TNEB-ANNA SALAI, CHENNAI.** with the memento.

As a forum to exchange innovative developments in Power quality, the event attracted over 87 students. He shared his experience with the students and explained about Power Quality Enhancement Techniques.

23/08/2019

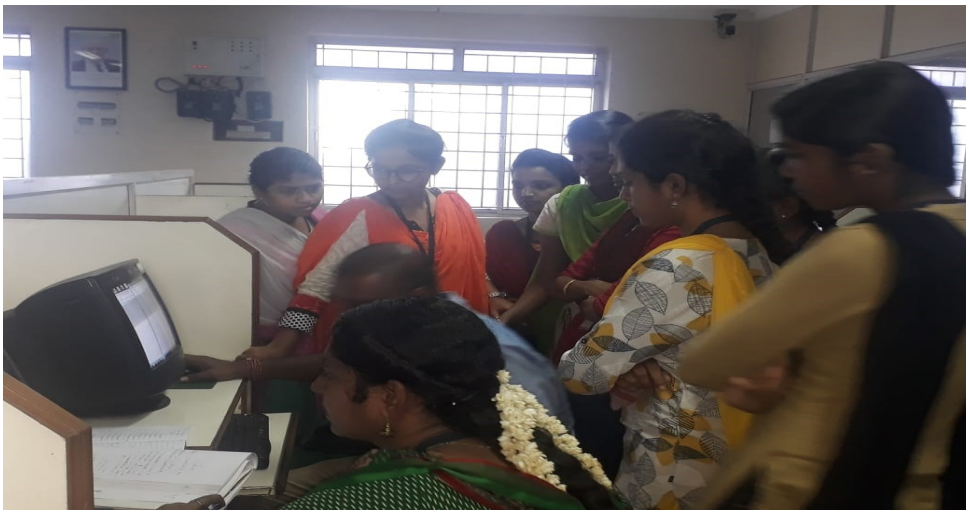
GUEST LECTURE

The department of EEE has organized the Guest Lecture on **"DIGITAL SIGNAL PROCESSING"** on 23.08.2019. The head of the department, Mrs. N. Magadevi felicitated the chief guest **Dr.UDHAYA KUMAR, PROFESSOR, ANNA UNIVERSITY, CHENNAI.** with the memento.

As a forum to exchange innovative developments in Power quality, the event attracted over 80 students. He shared his experience with the students and explained about Digital Signal Processing. He explained about the uses of digital processing, such as by computers or more specialized digital signal processors, to perform a wide variety of signal processingoperations.

26/08/2019

VALUE ADDED COURSE



Value added course on python programming conducted for final year students.

26/08/2019

NSS

Campus cleaning activities by our EEE department students.

04/01/2020

GUEST LECTURE

The department of EEE has organized the Guest Lecture on **"ELECTRIC RELAYS & CIRCUIT BREAKERS"** on 04.02.2020. The head of the department, Dr.G.Rohini felicitated the chief guest **Mr.M.GOPINATH, SENIOR ENGINEER, VOLTECH MANUFACTURING PVT., LTD., CHENNAI.** with the memento.

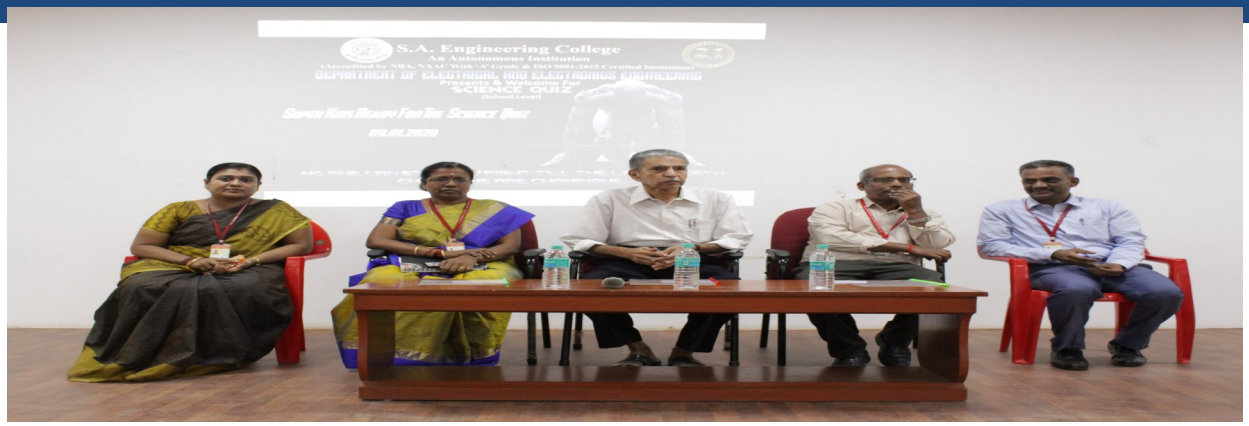
06/01/2020

IEEE AWARENESS

The Department of EEE has organized **"IEEE AWARENESS PROGRAM"** on 06.02.2020. 41 students p ticipated in the programme.The Head of the Department, Dr. G. Rohini felicitated the chief gu **Mr.B.ASHVANTH, SYSTEM ENGINEER, TATA CONSULTANCY SERVICES, CHENNAI.** with the memento

09/01/2020

SCIENCE QUIZ



The department of EEE conducted the Science Quiz on **09.01.2020 at 10.00 am** in the college premises. The event started with the invocation and lightning the traditional lamp. **Dr.G.Rohini, HEAD OF THE DEPARTMENT/EEE** welcomed the gathering**. Dr.G.S.Kumarasamy, Principal** illuminated the occasion with his presence and delivered the special address insisting the significance of taking part in a science quiz as a part of enhancement.

02/03/2020

GUEST LECTURE

The department of EEE has organized the Guest Lecture on **"RENEWABLE ENERGY SOURCE"** on 02.03.2020. The head of the department, Dr.G.Rohini felicitated the chief guest **Mr.K.BOOPATHI, DIRECTOR & DIVISION HEAD – RESEARCH & DEVELOPMENT, RESOURSE DATA ANALYTICS & FORCASTING, ENERGY (NIWE), CHEN-**

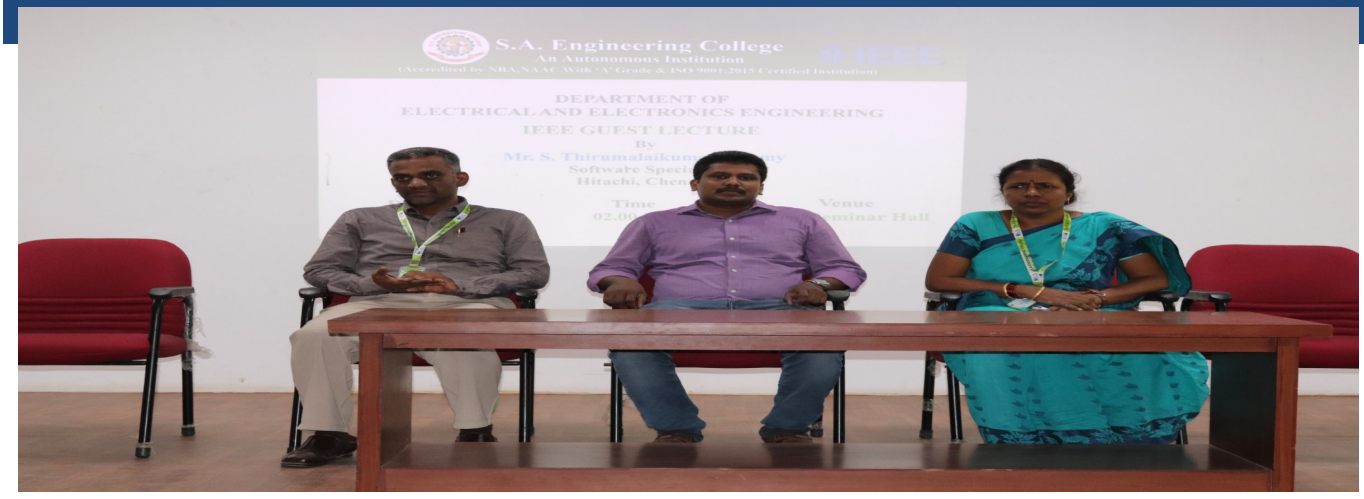
05/02/2020

GUEST LECTURE

The department of EEE has organized the Guest Lecture on **"Transmission and Distribution"** on 05.03.2020. The head of the department, Dr.G.Rohini felicitated the chief guest **Er.C. PRASATH, Assistant Executive Engineer/MRT, North Chennai Power Station,**

06/3/2020

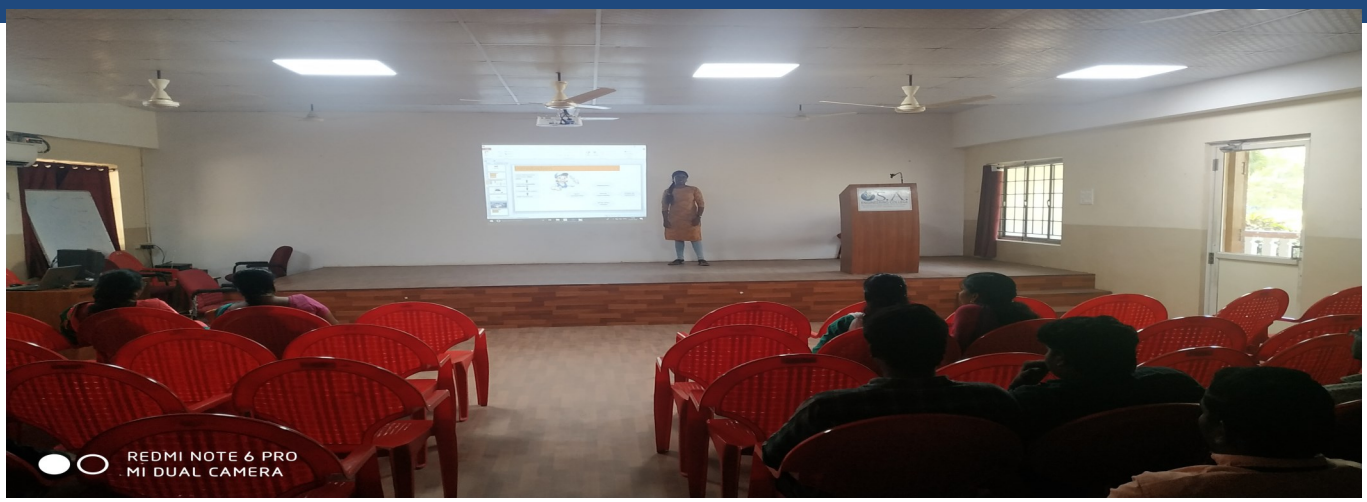
GUEST LECTURE



The department of EEE has organized the Guest Lecture on **"Emerging Trends in Embedded Systems"** on 11.03.2020. The head of the department, Dr.G.Rohini felicitated the chief guest **Mr.S.Thirumalaikumaraswamy, Software Specialist, Hitachi, Chennai** with the memento.

13/3/2020

VALUE ADDED COURSE



The department of EEE has organized the Guest Lecture on **"Barriers in Communication"** on 13.03.2020. The head of the department, Dr.G.Rohini felicitated the chief guest **Ms.I.VIDYA, MAINTENANCE SUPERVISOR, CATERPILLAR INDIA PVT., LTD., THIRUVALLUR** with the memento.

26/01/2020

ALUMNI MEET

26/02/2020

BOS MEETING

8/02/2020

SYMPOSIUM

22/02/2020

GRADUATION DAY

26/02/2020

INDUSTRIAL VISIT

18/02/2020

INDUSTRIAL VISIT

10/2/2020

VALUE ADDED COURSE

01/05/2020

WEBINAR

11/5/2020

WEBINAR

11/05/2020

WEBINAR

20/5/2020

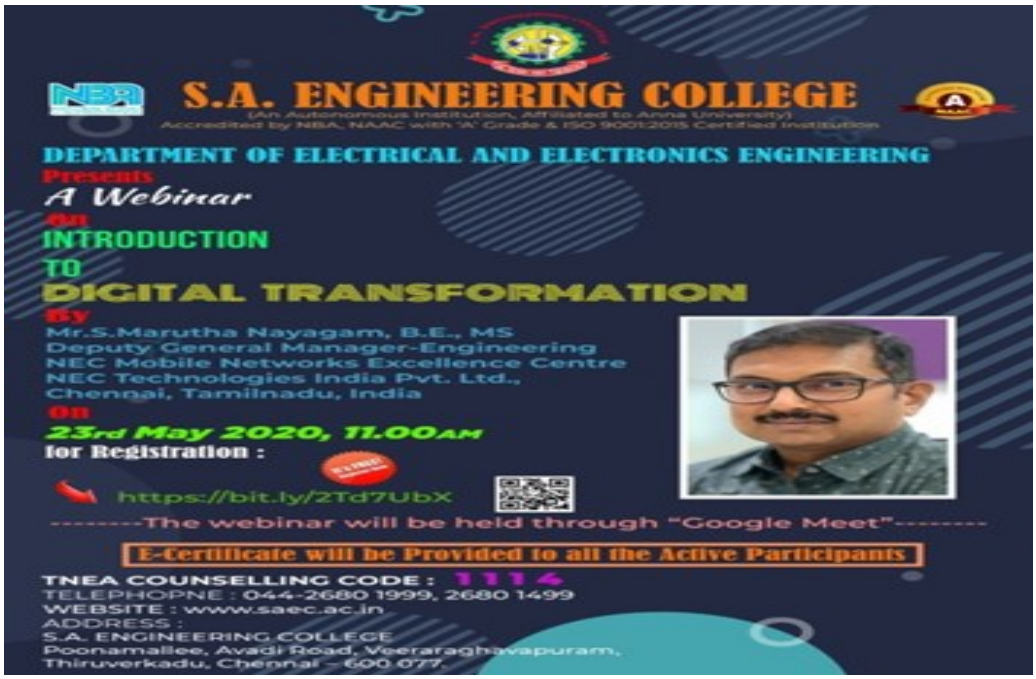
WEBINAR

24/05/2020

WEBINAR

23/5/2020

WEBINAR

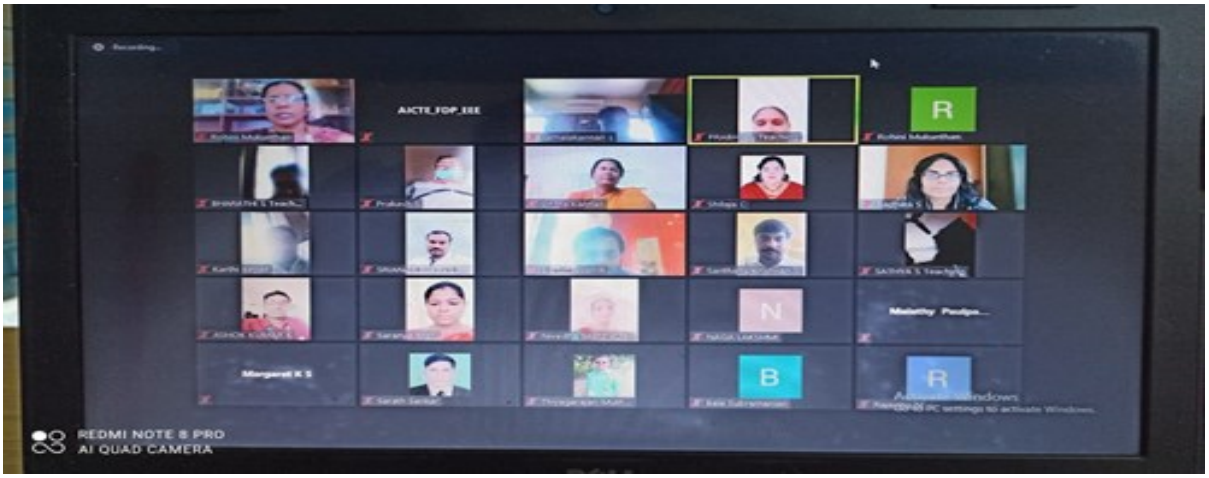


28/05/2020

FACULTY DEVELOPMENT PROGRAM

16/11/2020

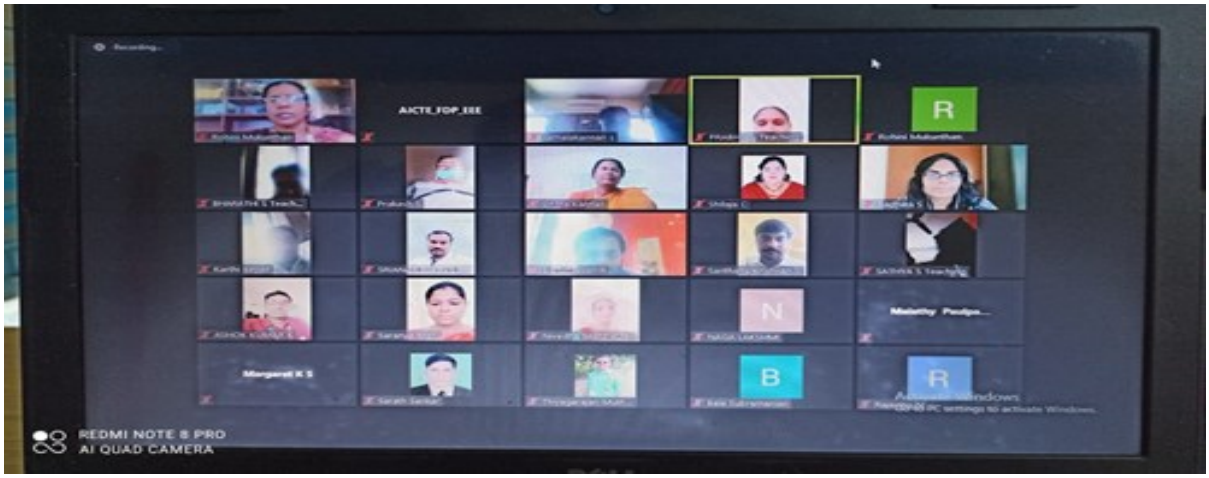
FDP (PHASE 1)



The department of EEE has organized the FDP on **"HIGH POWER CONVERSION ELECTRONICS FOR GREEN ENERGY BASED SMART GRID "** on 16/11/.2020. The head of the department, Dr.G.Rohini felicitated the chief guest **Dr.K.Shanti Swarup, Professor, IIT, MADRAS**

17/12/2020

FDP (PHASE 2)



The department of EEE has organized the FDP on **"HIGH POWER CONVERSION ELECTRONICS FOR GREEN ENERGY BASED SMART GRID "** on 17/12/.2020. The head of the department, Dr.G.Rohini felicitated the chief guest **Dr.S. Arul Daniel, Professor, NIT, Trichy**.

05/03/2021

IEEE ACTIVITIES

The department of EEE has organized the IEEE activities for the students on every Friday. The Technical Connexion as been conducted for the students on 5/3/2021

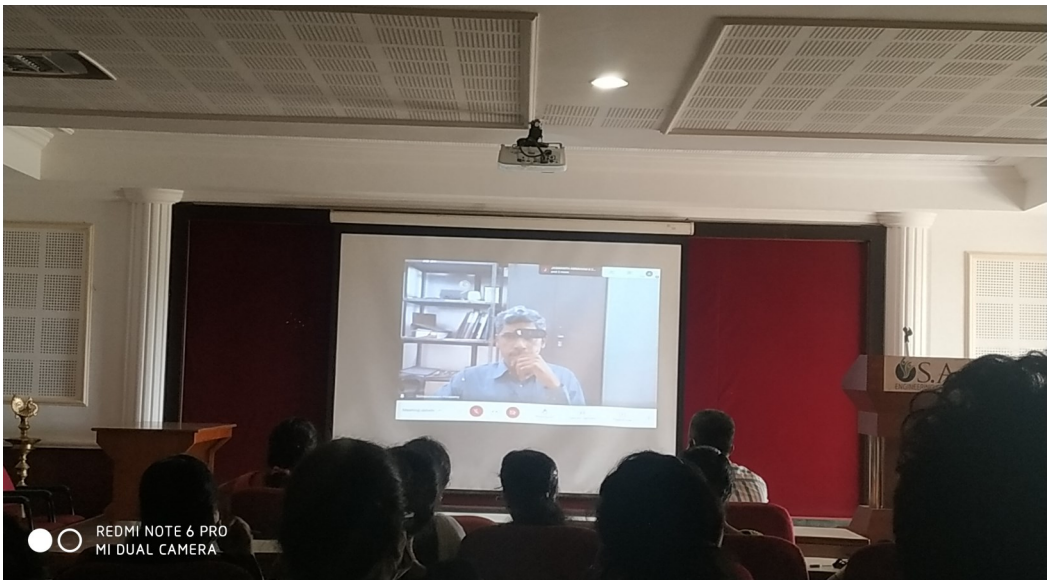
12/03/2021

IEEE ACTIVITIES

The department of EEE has organized the IEEE activities for the students on every Friday. The Technical Talks as been conducted for the students on 12/3/2021

16/03/2021

ONLINE GUEST LECTURE



The department of EEE has organized the Guest Lecture on **"SMART GRID TECHNOLOGIES"** on 16.03.2021. The head of the department, Dr.G.Rohini felicitated the chief guest **Dr.P.SOMASUNDARAM, PROFESSOR, ANNA UNIVERSITY, CHENNAI.**

19/03/2021

IEEE ACTIVITIES

The department of EEE has organized the IEEE activities for the students on every Friday. The dumb charahab as been conducted for the students on 19/3/2021

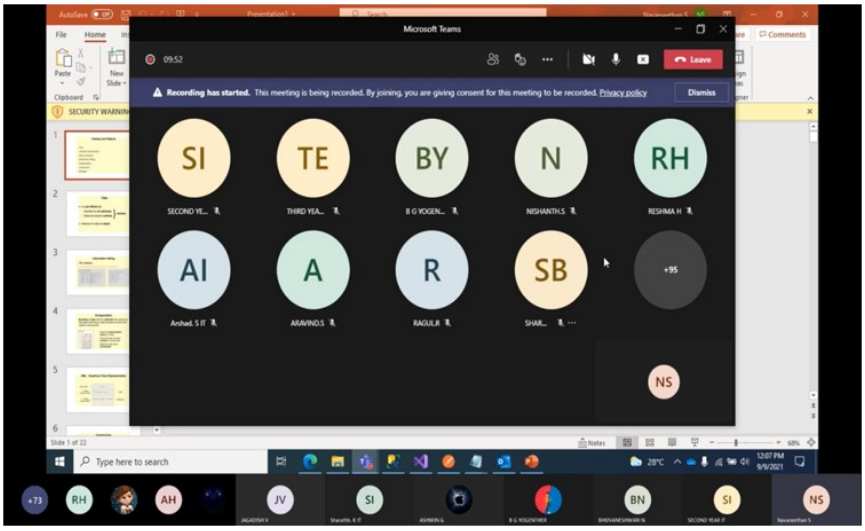
19/03/2021

GUEST LECTURE

The department of EEE has organized the Guest Lecture on **"PROTECTION AND SWITCH-GEAR"** on 19.03.2021. The head of the department, Dr.G.Rohini felicitated the chief guest **Er.C.PRASATH, EXECUTIVE ENGINEER/MRT, NORTH CHENNAI POWER STATION CHENNAI.**

03/09/2021

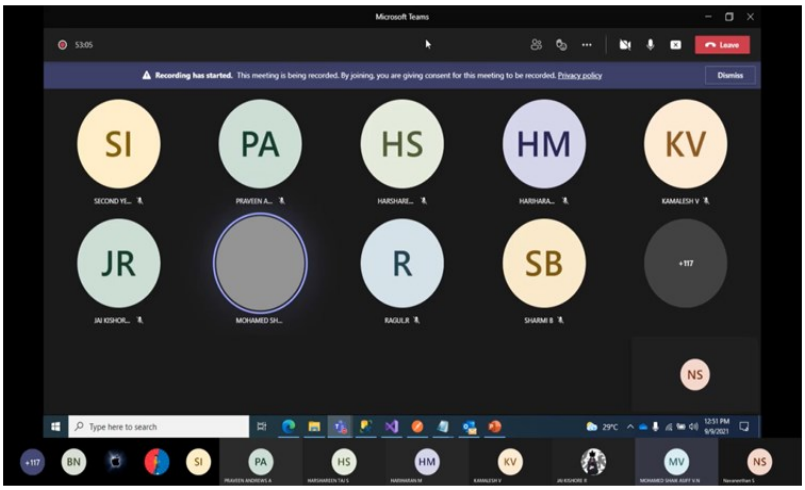
GUEST LECTURE



The department of EEE has organized the Guest Lecture on **"IEEE, The World of Opportunities – IEEE Awareness Program"** on 03.09.2021. The head of the department, Dr.G.Rohini felicitating address to the chief guest **Janani R, hair of Content Development Team in IEEE YESIST12 2021**

04/09/2021

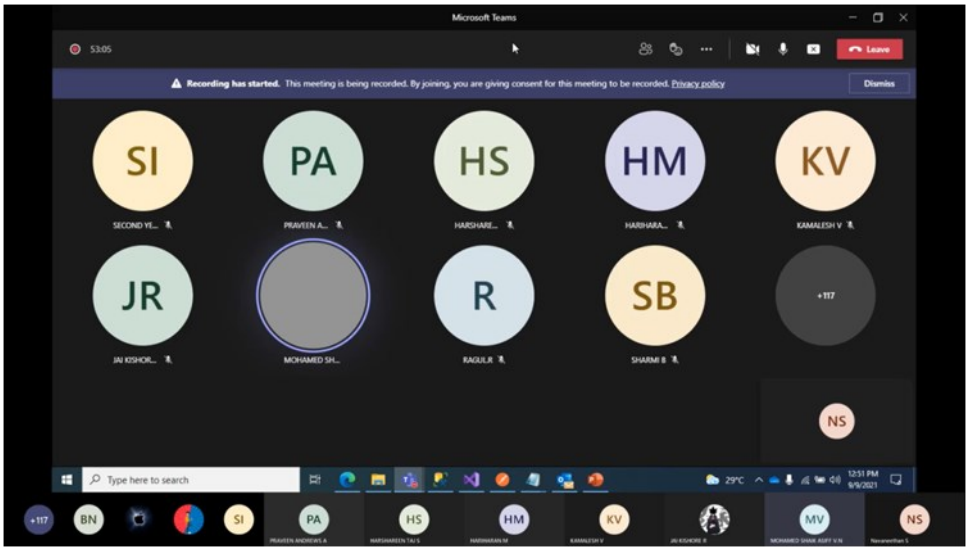
GUEST LECTURE



The department of EEE has organized the Guest Lecture on **"Real Time Applications of Semiconductors "** on 04.09.2021. The head of the department, Dr.G.Rohini felicitating address to the chief guest Dr.A. Saraswathi, Assistant Professor/EEE, & HOD/ECE, University college of Engineering, Vilupuram, \ Tamil Nadu, India.

04/09/2021

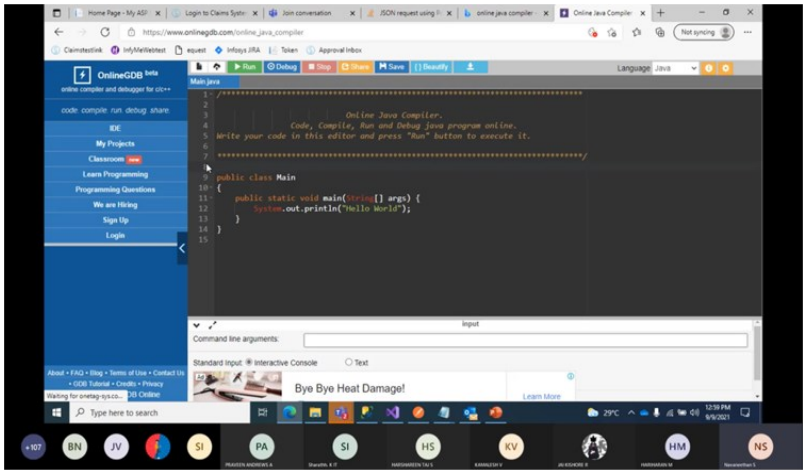
GUEST LECTURE



The department of EEE has organized the Guest Lecture on **"Control of Active Power and Reactive Power using ETAP "** on 04.09.2021. The head of the department, Dr.G.Rohini felicitating address to the chief guest Er. E. Mohan Kumar, Power System Engineer, M/S Power Projects, 4, Vinobha Nagar, Koduvai - 638660.

09/09/2021

GUEST LECTURE



The department of EEE has organized the Guest Lecture on **"Object Oriented Programming"** on 09.09.2021. The head of the department, Dr.G.Rohini felicitating address to the chief guest Mr.S.Navaneethan, System Engineer, Infosys, Pvt, Ltd.

01/10/2021

GUEST LECTURE

` The department of EEE has organized the Guest Lecture on **"**Control **Industrial Implementation of Controlled Converters"** on 01.10.2021. The head of the department, Dr.G.Rohini felicitated the chief guest Dr.D. Zamrooth, Assistant Professor, University College of Engineering, Kancheepuram

01/10/2021

GUEST LECTURE

The department of EEE has organized the Guest Lecture on **"**Sensor **System for Measurement & Instrumentation "** on 01.10.2021. The head of the department, Dr.G.Rohini felicitated the chief guest Ms.T.H. Padmamalini, IOT Hardware Engineer, Real AI, Tambaram, Chennai, Tamil Nadu.

04/10/2021

GUEST LECTURE

The department of EEE has organized the Guest Lecture on **"Wind Turbine Components and Various Technologies "** on 04.10.2021. The head of the department, Dr.G.Rohini felicitated the chief guest K.Boopathi, Director & Division Head, National Institute of Wind Energy (NIWE), Pallikaranai, **Chennai - 600 100**

02/12/2021

ISO AUDIT

ISO audit conducted at S.A. Engineering college on 02/12/2021

14/12/2021

IIC CELEBRATION

Our EEE department second year student Mr.Yagneshwaran got first prize in IIC event—national energy conservation day on 14/12/2021

22/12/2021

HACKTON

Our EEE department second year, third year and final year students has been participated in "HACKTON 2021" conducted by CSE department, S.A. Engineering college on 22/12/2021

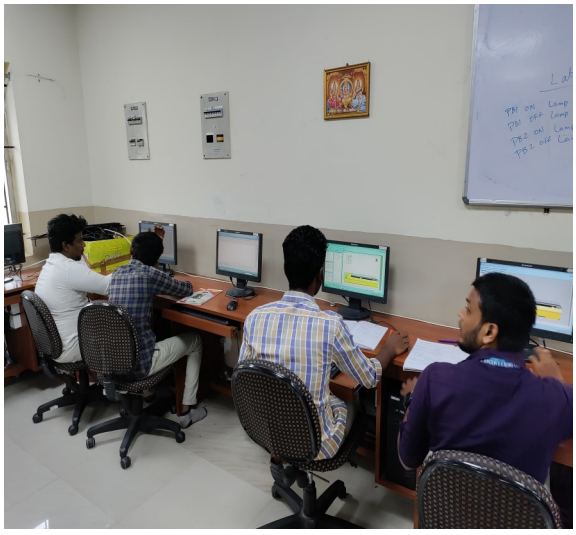
22/12/2021

HACKTON

Mr.Nagaraj and team (third year) got second prize in “HACKTON 2021” conducted by CSE department, S.A. Engineering college on 22/12/2021

2712/2021

VALUE ADDED COURSE



Our third year students attended value added course in S.A. Engineering college conducted by Technocraft on 27/12/2021 to 31/12/2021.

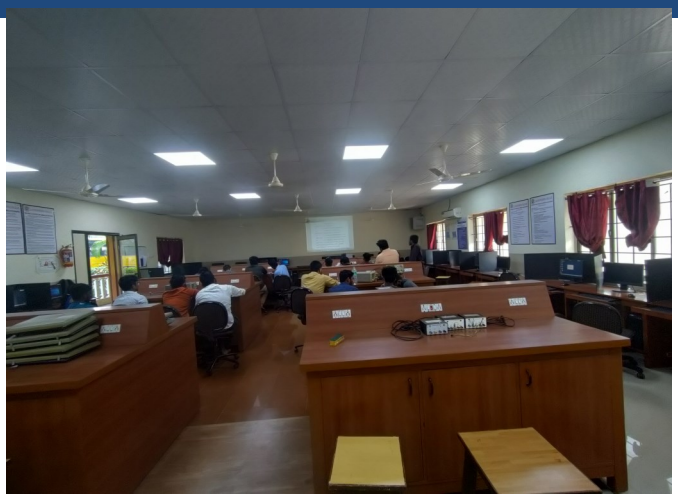
26/01/2022

GUEST LECTURE

The department of EEE has organized the Online Guest Lecture on **"Sensor system for Measurement and Instrumentation "** on 26.01.2022. The head of the department, Dr.G.Rohini felicitated the chief guest Mr.V.C.Hariharan, Design Engineer—Electrical, NPO Team, MEL System And Services, Chennai.

19/04/2022–23/04/2022

VALUE ADDED COURSE



Our Second year students attended value added course in S.A. Engineering college conducted by Technocraft on 19/04/2022 to 23/04/2022.

19/04/2022

INTERNATIONAL WORKSHOP

The department of EEE has organized International seminar on **"Energy, Climate Change and** I **"** on 19.02.2022. The head of the department, Dr.G.Rohini felicitated the chief guest **Prof. Chetan Singh Solanki**, Professor,IIT Bombay, Brand Ambassador of Solar Energy for Madhya Pradesh, and Founder of the Energy Swaraj Foundation

19/04/2022

NSS ACTIVITY

23/04/2022

PROJECT AWARD

Congratulations to III year EEE students for winning best project award for their prototype' Borewell rescue Bot ' in the event organized by Kumari Mangrove Foundation ,Kanyakumari.

22/04/2022 & 23/04/2022

TECHKNOWN 2022

Techknow 2022 inaugural function held at anna university on 22/04/2022 and 23/04/2022. Our EEE department 3rd year student and one staff member attended this event.

05/05/2022

GUEST LECTURE

The department of EEE has organized the Guest Lecture on **"**Recent Trends in AC Machines**"** on 05.05.2022. The head of the department, Dr.G.Rohini felicitated the chief guest Mr.J.Srivasan, Partner Director, ACE Enablers LLP.

07/05/2022

GUEST LECTURE

The department of EEE has organized the Guest Lecture on **"**Modern Tools for Electrical Machine Design**"** on 07.05.2022. The head of the department, Dr.G.Rohini felicitated the chief guest Dr.A.Depak, Design Engineer, Epropelled Engineer Centre, Chennai.

30/4/2022

INDUSTRIAL VISIT

Our EEE 2nd year students went to the industrial visit on 30/04/2022 to Core Industrial Placement Training on Factory and Process Automation - Phase 1

06/5/2022

INDUSTRIAL VISIT

Our EEE 3rd year students went to the industrial visit on 06/05/2022 to Core Industrial Placement Training on Factory and Process Automation - Phase 1

10/5/2022

GUEST LECTURE

The department of EEE has organized the Guest Lecture on **"**Implementation of AMR in Indian Utility for Re Generators**"** on 10.05.2022. The head of the department, Dr.G.Rohini felicitated the chief guest Mr.C.Nallasivan, Assistant Executive Engineer, Office of the Chief Engineer/IT, 144 Anna Salai, Chennai 02.