

NEWS LETTER JUL-DEC 2022

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VISION OF THE DEPARTMENT

- ✓ To be a place of academic excellence by imparting quality teaching, carrying out research and technological development in frontier areas of Electrical and Electronics Engineering leading to global competence for the societal and industrial developments.

MISSION OF THE DEPARTMENT

- To provide technical proficiency by adapting well defined teaching learning process.
- To create an environment to practice ethical codes.
- To prepare the graduates to be professionally competent with good communication and interpersonal skills to meet up the industrial needs.
- To motivate the students to pursue higher studies and research activities.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- ❖ To prepare the graduates with good attitude and strong knowledge in basics of Science and Engineering.
- ❖ To craft them to engross in life long process of learning to keep themselves abreast of new developments in the field of Electronics and their applications in power engineering for the enhancement of our society.
- ❖ To prepare the graduates to acquire successful technical and professional careers in their chosen fields such as circuit theory, Field theory, control theory and computational platforms, by upholding the professional ethics, by exhibiting professionalism.

PROGRAM OUTCOMES (POs)

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.

VALUE ADDED COURSES

S.NO	YEAR	NAME OF THE COURSE	DURATION
1	II-EEE	MULTISIM	04-07-2022 to 29-07-2022
2	III-EEE	PLC & SCADA	04-07-2022 to 29-07-2022
3	IV-EEE	IoT (Arduino)	04-07-2022 to 29-07-2022



INDUSTRIAL TRAINING

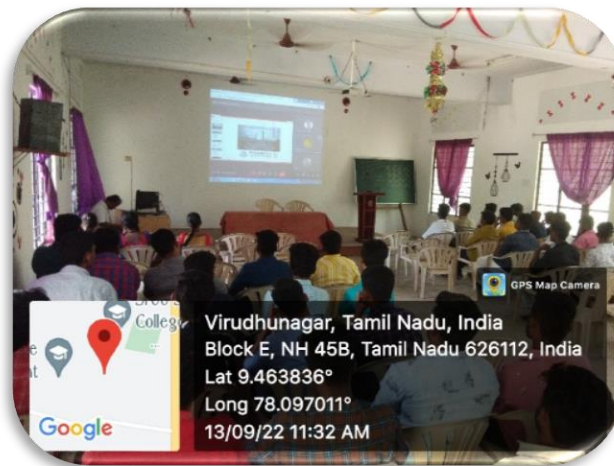
Five students from III-EEE at Sree Sowdambika College of Engineering completed a week-long industrial training at the **230/110 KV Substation in Savasapuram**. The training provided hands-on experience in substation operations, including transformer management and high-voltage equipment handling. This experience enhanced their practical knowledge and bridged the gap between theory and real-world application, preparing them for future careers in electrical engineering.



ASSOCIATION ACTIVITIES

Sl. No	Date	Events	Students	Resource person/Conducting person
1	16/8/2022	Guest Lecture -Resume preparation	All year EEE students	Mr.M.Selva Venkatesh , ME Scholar, Thiyagarajar College of Engineering,Madurai Alumni EEE(2018-2022)
2	19/8/2022	Chart preparation Topic Any Electronic devices	II EEE	Mr.J.Ganesan,Associate Professor/EEE
3	23/8/2022	Chart preparation Any Power electronic switches	III EEE	Ms.Anusuya Devi AP/EEE
4	26/8/2022	Guest lecture on – How to prepare for TNPSC Exam	All year EEE students	A.Selva Prabhu, Senior Typist, Grade II
5	30/8/2022	Guest lecture –on Smart Grid Technology	All year EEE students	Dr. G. Prabhakar Department of ECE Thiyagarajar College of Engineering
6	02/9/2022	Guest lecture -Solar Panel Installation and Operation	All year EEE students	Mr.J.Kalimuthu Electrical Engineer, Enrich Energy limited,Pune.
7	06/9/2022	Guest lecture - Transmission And Distribution	All year EEE students	A.Abirami A.E., TNEB Virudhunagar.
8	09/9/2022	Guest lecture -Renewable Energy	All year EEE students	Dr.K.Uma Maheshwari Professor/EEE V.S.B Engineering college, Karur.
9	13/9/2022	Guest lecture – Application of IOT in Electrical Engineering	All year EEE students	Mr. A.Arun Kumar AP/EEE Ramco Institute of Technology
10	16/9/2022	Technical Quiz Digital logic circuits - II YEAR EEE	II EEE	Ms.B.Nagavi,AP/EEE
11	20/9/2022	Technical Quiz Power systems- III YEAR EEE	III EEE	Ms.B.Nagavi,AP/EEE
12	23/9/2022	Technical Quiz Renewable energy sources IV YEAR EEE	IV EEE	Ms.B.Nagavi,AP/EEE

Sl. No	Date	Events	Students	Resource person/Conducting person
13	27/9/2022	Guest Lecture – Industrial Automation Basics using PLC	II YEAR EEE	Mr.L.K.Balaji Vignesh AP/ECE Ramco Institute of Technology,Rajapalayam
14	30/9/2022	Seminar- Smart Power devices .	III YEAR EEE	Dr.S.Vijayaraj ASP/EEE Sethu Institute of Technology
15	7/10/22	Quantity Aptitude quiz - Topic Speed and time	All year EEE students	TIME Institute, Madurai



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