NEWS LETTER
JUL-DEC 2021

CONTENTS

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:

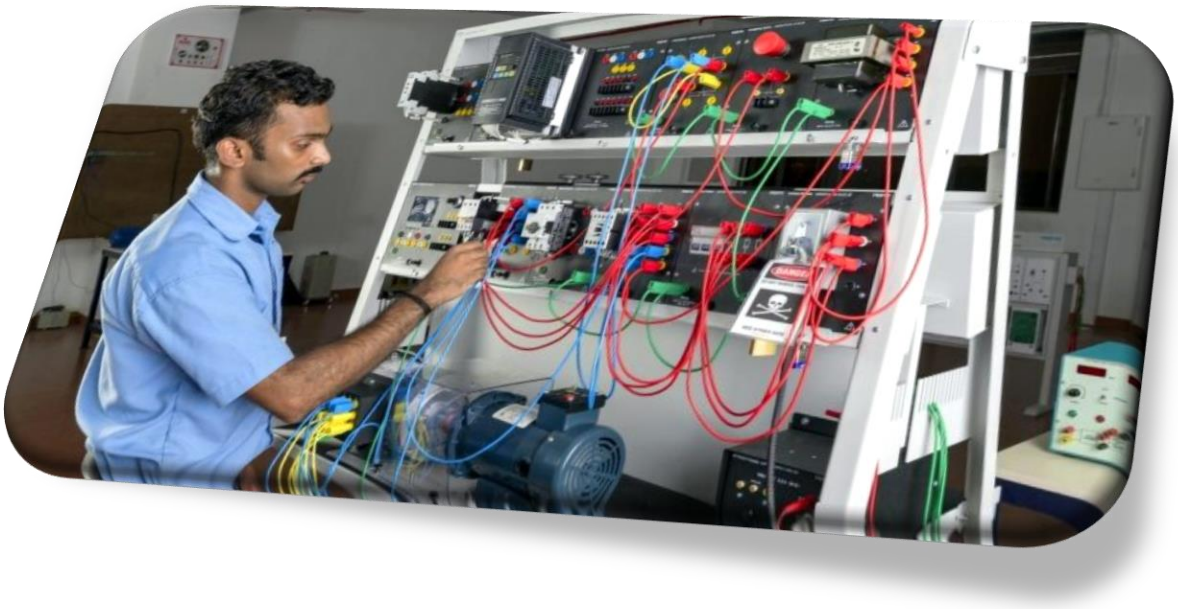
1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching 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	40 hrs
2	III-EEE	PLC & SCADA	40 hrs
3	IV-EEE	IoT (Arduino)	45 hrs

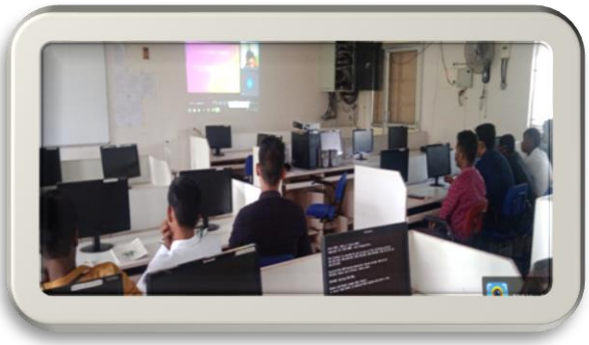
INDUSTRIAL TRAINING

Six students from II-EEE at Sree Sowdambika College of Engineering completed a week-long industrial training at the GST Scientific Solutions in Virudhunagar. The training provided hands-on experience in Electronics and 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	26-08-2021	Guest Lecture on Smart grid technology	All Students	Dr.G.Prabakar Department of ECE Thiyagarajar college of Engineering
2	21-09-2021	Guest Lecture on Smart grid technology Solar panel installation and operation	All Students	J.Kalimuthu Electrical Engineer Enrich energy limited,pune
3	11-07-2021	CAD- Real time applications	Final Year Students	Er.K.Nidish B.E, Molex based company, Bangalore
4	11-08-2021	Guest Lecture on Electrical Drives	Final Year Students	Er.Nagapandi B.E, Airtel company , Bangalore
5	12-09-2021	Guest Lecture on Renewable Energy	Final EEE	Er.K. Ramya Jeyanthi B.E, Molex based company, Bangalore



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