

Department of Electrical and Electronics Engineering

Diploma (Electrical Engineering)

Program Educational Objectives (PEO'S)

PEO 1: Apply knowledge and skills to provide solutions to Electrical Engineering problems in industry and governmental organizations or to enhance student learning in educational institutions.

PEO 2: Work as a team with a sense of ethics and professionalism, and communicate effectively to manage cross-cultural and multidisciplinary teams.

PEO 3: Update their knowledge continuously through lifelong learning that contributes to personal, global and organizational growth.

PEO 4: To develop overall personality and character with team spirit, professionalism, integrity, and moral values with the support of humanities, social sciences and physical educational courses.

Program Outcomes

1. Diploma engineers will be able to demonstrate knowledge of electrical engineering.
2. Diploma engineers will demonstrate an ability to identify, formulate and solve Industrial, community & research problems.
3. Diploma engineers ability to design a System, Component, or Process to meet desired needs with in realistic constraints such as Economic, Environmental, Social, Ethical, Manufacturability, and Sustainability.

4. Diploma engineers will demonstrate skills to use modern devices, software and equipment to analyse & solve problems.
5. Diploma engineers will be able to communicate effectively both verbally and in writing.
6. Diploma engineers will be able to understand impact of Electrical engineering on the societal and contemporary issues.
7. Diploma engineers will demonstrate confidence to learn by self and exhibit ability for life-long learning.
8. Diploma engineers will be able to take interest in research & development in all disciplines of electrical engineering.
9. Diploma engineers will be able to participate and succeed in competitive examinations.

Program Specific Outcomes (PSO'S)

- 1.Problem Solving Skills:** Maintenance and control of various types of static and rotating electrical machineries and electrical power system components.
- 2.Professional Skills:** Apply appropriate techniques and modern engineering hardware in various electrical applications to engage in life-long learning and to get an employment in the field of Electrical Engineering.
- 3.Successful Career:** To produce diploma engineers with a solid foundation in Electrical Engineering who will pursue lifelong learning and professional development including Graduation.
- 4.The Engineer and Society:** Understand the impact of engineering solutions in societal and environmental context, commit to professional ethics and communicate effectively.