

DEPARTMENT VISION	INSTITUTION VISION
<p>The Department of Civil Engineering strives to graduate highly qualified engineers, maintain nationally recognized research and provide quality professional and community service to the society.</p>	<p>To emerge as a premier institution in the field of technical education and research in the state and as a home for holistic development of the students and contribute to the advancement of society and the region.</p>

DEPARTMENT MISSION	INSTITUTION MISSION
<ul style="list-style-type: none"> • To enhance quality of the program by creating an environment conducive for innovative teaching and learning. • To generate research opportunities that creates synergy among faculty, students, and practicing professionals. • To work in conjunction with other departments in the institution to provide multidisciplinary opportunities for both students and faculty. • To contribute for the improvement in the quality of life in society through innovation, sharing, and use of knowledge. 	<p>To provide high quality technical education through a creative balance of academic and industry oriented learning; to create an inspiring environment of scholarship and research; to instill high levels of academic and professional discipline; and to establish standards that inculcate ethical and moral values that contribute to growth in career and development of society in general.</p>

Learning Objectives:

- To learn the basic principles of electrical law's and analysis of networks.
- To understand the principle of operation and construction details of DC machines.
- To understand the principle of operation and construction details of transformer.
- To understand the principle of operation and construction details of alternator and 3- Phase induction motor.
- To study the operation of PN junction diode, half wave, full wave rectifiers and OP- AMPs.
- To learn the operation of PNP and NPN transistors and various amplifiers.

Outcomes:

- Able to analyse the various electrical networks.
- Able to understand the operation of DC generators,3-point starter and conduct the Swinburne's Test.
- Able to analyse the performance of transformer.
- Able to explain the operation of 3-phase alternator and 3-phase induction motors.
- Able to analyse the operation of half wave, full wave rectifiers and OP-AMPs.
- Able to explain the single stage CE amplifier and concept of feedback amplifier.