

Course code	Course Name	L-T-P -Credits	Year of Introduction
EE236	ELECTRICAL TECHNOLOGY AND SAFETY LAB	0-0-3-1	2016
Prerequisite: EE212 Electrical technology and safety			
Course Objectives <ul style="list-style-type: none"> To provide practical experience for verifying circuit theorems. To expose the students on the operation of Dc motors, Induction motors, transformer and give them experimental skill. 			
List of Experiments: <ol style="list-style-type: none"> Verification of Kirchoff's Laws Verification of Superposition Theorem. Measurement of power in an A.C circuit by 3 ammeter and 3 voltmeter method Load test on d.c series motor Speed characteristics of d.c shunt motor Regulation of Transformer Load characteristics of 3 phase induction motor Study of protective relays and circuit breakers Study of insulation testing and ground testing Study of B.H curve on C.R.O Study about cardio pulmonary resuscitation(CPR) 			
Expected outcome <ul style="list-style-type: none"> At the end of this course, the students will have exposed to the fundamentals of electric circuit theorem and the working of various electrical machines. 			
Text Books <ul style="list-style-type: none"> V.K Mehta,Rohit Mehta. "Principles of Electrical Machines".S Chand Publishers S.L. Uppal : A Textbook of Electrical Engineering, Khanna Publishers, Delhi H. Cotton : Electrical Technology, Wheeler Publishing Company 			