

22EE102	Basic Electrical and Electronics Engineering Laboratory	L	T	P	C
(Common to Civil, Mechanical and Computer science Engineering)		0	0	2	1
Course Objectives:					
1.	To impart hands on experience in use of measuring instruments, testing in transformers, and house wiring practices.				
LIST OF EXPERIMENTS:					
<ol style="list-style-type: none"> 1. Verification of Kirchhoff's laws. 2. Verification of Superposition theorem. 3. Measurement of three-phase power in three-phase circuits. 4. Determination losses in single phase Transformer. 5. Demonstration of cut-out sections of machines: induction machine (squirrel cage rotor), and single-phase induction motor. 6. Speed control of DC shunt motor. 7. Study of basic safety precautions, measuring instruments – voltmeter, ammeter, multi-meter, and Electrical components. 8. VI Characteristics of PN Junction diode. 9. House wiring 10. Wiring for Fluorescent lamp. 					
Total : 30 Periods					
Course Outcomes:					
<i>Upon completion of this course, the students will be able to:</i>					
CO1	:	Get an exposure to DC and AC circuits.			
CO2	:	Understand to determine losses in transformer.			
CO3	:	Know the parts of single-phase and three phase induction motors.			
CO4	:	Get an exposure electron devices.			
CO5	:	Make electrical connections by wires of appropriate ratings.			