Course Code	Course Name	Course Type	Cd	L	T	P	Marks		
							Sessional	Final Exam	Total
ESC-211	Basic Electrical and Electronics Engineering Lab	ESC	1	0	0	2	50	0	50

Course Outcomes

At the end of the course the student will be able to	
CO1	Apply fundamental concepts to solve simple DC and AC electric circuits.
CO2	Verify the basic characteristics of transformers and electrical machines.
CO3	Design diode and rectifier circuits and analyze their characteristics.
CO4	Design and evaluate various transistor biasing configurations and circuits.
CO5	Design different voltage regulators

List of Activities for Electrical and Electronics Lab

S. No.	Activities
1	Verify Characteristics of passive circuit elements (R, L, C).
2	Examine Time and frequency responses of RC, RL and RLC circuits.
3	Verify and analyze of network theorems.
4	Analyze single-phase transformers.
5	Perform the polarity test of the single phase transformer.
6	To perform open and short circuit tests on single phase transformers.
7	Measure three phase power using two Wattmeter methods.
8	Verify and Plot V-I characteristics of p-n junction and Zener diodes.
9	Verify and Plot Input and Output characteristics of BJT (CE).
10	Implement half wave and full wave rectifiers.
11	Design voltage regulator using series pass transistor.