BASIC ELECTRICAL I LAB (ES191)
(Room Number: 422)

General information about the Laboratory:

This lab is used for ODD Semester all students of EE 1st year. Its approximate area is 1190 sq. ft. and location is fourth floor (Room no – 422). Generally, we conduct the lab with the strength of 30 students per session.

Electrical Circuit Theory Lab

CO's

ES191.1	Demonstrate the characteristics of carbon, tungsten & florescent lamps.
ES191.2	Verify the different electrical parameters obtained using network theorems.
ES191.3	Experiment on R-L-C series & parallel circuits

CO-PO MAPPING:-

SUBJECT CODE	COs	PROGRAM OUTCOMES(POs)											
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PO11	PO12
ES191	ES191.1	3	2	2	2	2	2	1	-	2	2	2	3
	ES191.2	3	2	2	2	2	2	1	-	2	2	2	3
	ES191.3	3	2	2	2	2	2	1	-	2	2	2	3
	AVERAGE	3	2	2	2	2	2	1	-	2	2	2	3

CO-PSO MAPPING:-

SUBJECT CODE	COs	PSO1	PSO2
ES191	ES191.1	3	-
	ES191.2	2	2
	ES191.3	2	1
	AVERAGE	2.33	1

Name of the Experiment Performed:

1. Characteristics of Fluorescent lamps

2. Characteristics of Tungsten and Carbon filament lamps

3. (a) Verification of Thevenin's theorem. (b) Verification of Norton's theorems.

4. Verification of Maximum power theorem.

5. Verification of Superposition theorem

6. Study of R-L-C Series circuit

7. Study of R-L-C parallel circuit

Laboratory Pictures