



K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY



ISO 9001:2015 Certified Institution, Accredited with 'A+' grade by NAAC

Samayapuram, Tiruchirappalli – 621 112, Tamilnadu, India.

DEPARTMENT OF EEE

Engineering Practices Lab:

Engineering Practices Lab is a basic laboratory offered to the Undergraduate Engineering students of electrical and non-electrical streams. It gives a fair knowledge about the various electrical gadgets used in day-to-day life and troubleshoots them. Also, it provides the basic knowledge of the various electrical symbols, safety precautions, types of wiring, earthing etc. The experiments are designed to expose students to the practical executions of the fundamental theories of Electrical and Electronics Engineering. Beginning with the electrical symbols, residential wiring using energy meter, fuses, switches, indicator, lamps, resistors, capacitors, CRO, basic converters etc. students practice soldering & de-soldering in this laboratory.

Lab In-charge : Mr. S.Murugesan
Lab Instructor : Mr. U.Aliyar
Area in Sq.mts : 107.06
Batch size : 30

Equipment Details:

S.NO	NAME OF EQUIPMENT	QTY
1	MAXWELL METAL SUB METER	4
2		4
3	BOSMA MAIN SWITCH 16/240	2
4		2
5	SINGLE PHASE AUTO TRANSFORMER BOX	2
6	150/300/600 VAC VOLTMETER	5
7	10/20A PORTABLE AC AMMETER	5

8	500V 1000 MOHMS BAKELITE BODY MERGER	2
9	SINGLE PHASE AUTO TRANSFORMER BOX	4
10	SINGLE PHASE LOADING REHOSTAT	2
11	THREE PHASE LOADING CAPACITOR	2
12	THREE PHASE LOADING INDUCTOR	2
13	UPF WATTMETER	2
14	DC VOLTMETER	5
15	DC AMMETER	5
16	RANGE FINDER MAKE	2
17	DIGITAL LIVE WIRE DETECTOR	2