



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

Electric Circuits Lab:

The Electric Circuits laboratory will enable the undergraduate students to learn the basic concepts and techniques in the design and operation of common circuits relevant to the field of Electrical and Electronics. The learning objective in this laboratory is to supplement the theory course of Circuit theory, Electronic Devices and Circuits, Digital and Linear integrated circuits.

Lab In-charge : Mr. V.Suresh Kumar
Lab Instructor : Mrs. K.Bhagyalakshmi
Area in Sq.mts : 97.40
Batch size : 30

Equipment Details:

S.NO	NAME OF EQUIPMENT	RANGE	QTY
1	DC Ammeter	(0-5)mA	7
2	DC Ammeter	(0-10)mA	10
3	DC Ammeter	(0-50)mA	5
4	DC Ammeter	(0-25)mA	5
5	DC Ammeter portable	(0-30)mA	4
6	DC Ammeter portable	(0-10)A	2
7	AC Ammeter	(0-100)mA	5
8	AC Ammeter portable	(2.5-5)A	4
9	DC Voltmeter	(0-10)MV	7
10	DC voltmeter	(0-30)MV	7
11	DC Voltmeter	(0-50)MV	4
	Fixed Dc Power Supply	15V,200MA	5
12	Dual regulated power supply	(0-30V)/2A	15
13	Digital multimeter	MECO DMM603	4
14	Digital function generator	APLAB, 1MHZ	3
15		3MHZ, 3SG-1013	3
16	single phase step down transformer	230V/110V, AC	2
17	Decade Inductance Box	BHARATHI, 5 DIAL	3

18	Decade Resistance Box	BHARATHI, 5 DIAL	3
19	Bread Board	-	25
20	Single Phase Dc Regulated Power Supply	(0-30V)/2A	4
21	Function Generator	3MHZ,	3
21	Dual Channel Oscilloscope	30 MHZ	5
22	Digital Storage Oscilloscope	50 MHZ	2
23	Single Phase Energy Meter	MECO	1
24	Single phase wattmeter	UPF,300V, 10A(Portable)	3
25	Decade Inductance Box	BHARATHI, 5 DIAL	3
26	Decade Capacitance Box	BHARATHI, 5 DIAL	6
27	Decade Resistance Box	BHARATHI, 5 DIAL	3
28	DDS Function Generator	3 MHZ	4
29	Dual Channel Oscilloscope	3 MHZ	5
30	Digital multimeter	-	6