



# 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

### **Measurement and Instrumentation Lab:**

The Measurement and Instrumentation laboratory was established with an objective to gain practical experience in the field of Measurements and Instrumentation. The lab is equipped to do experiment on AC/DC bridges, Measurement of Pressure, Temperature, Displacement, Strain, Flow, Power, Energy and Signal conditioning, etc.

Lab In-charge : Mr. R.Ramkumar  
Lab Instructor : Mrs. K.Bhagyalakshmi  
Area in Sq.mts : 96.28  
Batch size : 30

### **Equipment Details:**

S.NO	NAME OF EQUIPMENT	QTY
1	Transients Trainer Kit	1
2	Energy measurement trainer kit	1
3	Current transformer trainer kit	1
4	TRANSDUCER-LVDT Trainer kit	1
5	TRANSDUCER-Bourdon Tube Trainer	1
6	Maxwell's inductance capacitance bridge trainer kit	1
7	Schering bridge trainer kit	1
8	Wheatstone bridge trainer kit	1
9	Kelvin double bridge trainer kit	1
10	Anderson bridge trainer kit	1
11	Hays bridge trainer kit	1
12	Desaultys bridge trainer kit	1

13	Instrumentation amplifier trainer kit	1
14	A/D successive approximation trainer kit	1
15	A/D Converter-Counter Ramp trainer kit	1
16	D/A Converter- Weighted resistor trainer kit	1
17	D/A Converter- R-2R ladder trainer kit	1
18	Iron loss measurement trainer kit	1
19	Single phase energy meter	1
20	AC voltmeter 15/30V	1
21	AC voltmeter 30/60V	3
22	Portable AC ammeter 10/20A	2
23	UPF Wattmeter 150/300/600V	3
24	Current transformer trainer kit	1
25	Single phase transformer	1
26	Digital multimeter	4
27	CRO(30 MHZ)	2
28	Galvano meter	2
29	Decade resistance box(6 Dail)	3
30	Decade inductance box(5 Dail)	3
31	Decade capacitance box(5 Dail)	3
32	Dual regulated power supply	2
33	IC trainer kit	4
34	Three phase auto transformer	1
35	Three phase loading inductor	1
36	Digital multimeter	3
37	Decade inductance box(5 Dail)	1
38	Decade capacitance box	3
39	Load Measurement using strain gauge	1
40	Temperature Measurement using Thermocouple	1
41	Temperature Measurement using RTD	1
42	Temperature Measurement using Thermistor	1
43	Optical Sensor	1
44	Flow Measurement	1