

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

**Name of the Lab : Control and Instrumentation Laboratory**

### LIST OF EQUIPMENTS

SL NO	NAME OF THE EQUIPMENT
<b>Control systems:</b>	
1	PID controller simulation and learner kit.
2	Digital storage Oscilloscope for capturing transience a) 2 Personal Computer with control system simulation packages
3	DC motor –Generator test set-up for evaluation of motor parameters
4	CRO 30MHz
5	2 MHz Function Generator
6	Position Control Systems Kit
7	AC Synchro transmitter& receiver
8	Digital multi meters, speed and torque sensors.
<b>Instrumentation:</b>	
9	R, L, C Bridge kit
10	a)Electric heater, Thermometer, Thermistor (silicon type) ,RTD nickel type
11	b)30 psi Pressure chamber (complete set) Current generator (0 – 20mA) Air foot pump – (With necessary connecting tubes)
12	c)LVDT 20mm core length movability type CRO 30MHz
13	d)Optical sensor Light source Strain Gauge Kit with Handy lever beam 100gm weights
14	e)Flow measurement Trainer kit (1/2 HP Motor, Water tank, Digital Milli ammeter, complete set)
15	Single Phase Auto transformer Watt -hour meter(energy meter) Ammeter ,Voltmeter, Rheostat, Stopwatch, Connecting wires
16	Transistor kit
17	Instrumentation Amplifier kit
18	Analog – Digital and Digital –Analog converters (ADC and DACs)