

**EE8511 - CONTROL AND INSTRUMENTATION
LABORATORY**

LIST OF EQUIPMENTS

- ❖ PID controller simulation and learner kit
- ❖ DSO for capturing transience
- ❖ Personal computers with control system simulation packages
- ❖ DC motor - Generator test set-up for evaluation of motor parameters
- ❖ CRO 30MHz
- ❖ 2MHz Function Generator
- ❖ Position Control Systems Kit (with manual)
- ❖ Tacho Generator Coupling set
- ❖ AC Synchro transmitter & receiver
- ❖ Digital multi meters, speed and torque sensors
- ❖ R, L, C Bridge kit (with manual)
- ❖ Electric heater Thermometer
- ❖ Thermistor (silicon type) RTD nickel type
- ❖ 30 psi Pressure chamber (complete set)
- ❖ Air foot pump (with necessary connecting tubes)
- ❖ LVDT 20mm core length movable type
- ❖ CRO 30MHz
- ❖ Optical sensor
- ❖ Strain Gauge Kit with Handy lever beam
- ❖ 100gm weights
- ❖ Flow measurement Trainer kit (1/2 HP Motor, Water tank, Digital Milliammeter, complete set)
- ❖ Single phase Auto transformer
- ❖ Watthour meter (energy meter)
- ❖ Voltmeter, Rheostat, Stop watch, Connecting wires
- ❖ IC trainer kit
- ❖ Instrumentation Amplifier kit
- ❖ Analog - Digital and Digital - Analog converters (ADC and DACs)

