

# INSTRUMENTATION LAB

*The purpose of the Instrumentation Lab is to provide a common platform to familiarize the students with various types of sensors and transducers, and enable students to select and design suitable instruments to meet requirements of various industrial applications.*



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<b>Equipment Details</b>	
<b>Hardware</b>	<b>Qty</b>
LVDT trainer kit system	03
LVDT Transducer- part (0-20mm)	01
Capacitive transducer tutor system	04
RTD kit	04
Ultrasonic transducer kit	02
Transducer Trainer module Inductive	01
Inductive transducer trainer	01
Velocity transducer kit	01

Robotics training system	01
Instrumentation Kit	01
Blood pressure monitor	01
Heart rate monitor	01
Human body temperature monitor	01
Water level transducer	01
Temperature sensor (0-100 degree) Part	01
Velocity sensor/transducer (0-2.00 meter/sec)	01
Vibration sensor (0-10Khz) (Piezoelectric Crystal)	01 01
Temperature controlled oven	01
ECG simulator	01
Bio-signal simulator	01
Artificial respirating demonstrator	01
Scope Meter	01
Master Unit	10
Strain Gauge transducer Trainer	05
Light sensing Transducer Trainer	05
Speed sensing Transducer Trainer	05
Sound sensing Transducer Trainer	05
Temperature sensing Transducer Trainer	05
Digital Storage Oscilloscope	01
Sensor/ Transducer trainer and data Acquisition Trainer Kit	05
i) Strain Gauge Module	05
ii) Sound Sensing Module	05
iii) Speed Sensing Module	05
iv) Light Sensing Module	05
v)Temperature Sensing Module	05
Optical Transducer Trainer	02
Temperature Transducer Trainer	02
Anemometer (Air) Velocity meter	02
Arbitrary Function Generator 25MHZ	02
Arbitrary Function Generator 100MHZ	01
Acceleration and velocity measurement Trainer (Model -10)	02