

Transducer and Signal Conditioning Lab

The Transducer and Signal Conditioning Lab is fully equipped with modern Measurement and Instrumentation types of equipment which facilitate students to gain practical knowledge of several types of mechanisms for measurement of stress, torque, speed, force, displacement, humidity, density, pressure, temperature, etc. In this lab students also learn to develop the skill for the calibration of temperature, pressure gauges, etc.



<p><i>OIC Name: Dr. Ram Niwash Mahia</i></p> <p><i>Technician: Sh. Joginder Singh (Sr. Tech. Assistant SG-II)</i></p>	
<p><i>Equipment Details</i></p>	
<p><i>Hardware</i></p>	<p><i>Qty</i></p>
Transducer Instrumentation Kit (Speed, Force, Light, Vibration, Flow, Displacement)	1
Digital Piezoelectric Accelerometer System	2
Portable Temp. Indicator Digital	1
Strain Gauge Transducer Trainer	1
Feedback Transducer Training Kit	2
Level/Flow Process Control Trainer	1
NIELVIS- II NI Education Laboratory Virtual Instrumentation Suite (NI ELVIS)	1
NI Mechatronics Sensor Board	2
Light Sensing Transducer Trainer	2
Speed Sensing Transducer Trainer	2

Temp. Sensing Transducer Trainer	2
Trainer for Temp. Measurement	1
Displacement Sensing Transducer	2
Vibration Cum Air Flow	2
Strain Gauge Transducer Trainer	2