

## Transducers and Measurement Lab

This lab is fully equipped with wide varieties of transducers and sensors. Experiments conducted in this lab are mainly to learn about the basic operations of sensors and signal conditioning circuits.

In this, sensors and transducers are studied with a deep understanding of the working principles and are practically realized. Not only their working, but also conditioning of signals and displays are studied.

This lab has well trained faculties and staffs to assist the students in their learning process and guide them to become successful designers of instruments.

➤ Lab in-charge: Ms.N.Kavitha, AP/EIE

Total cost of the laboratory Rs. 8.5 lakhs

### List of major equipments:

- Load cell trainer module [ITB-04-ce]
- Hall effect transducer [VHET-01]
- LDR/Photodiode/Photo transistor trainer [ITB-027-CE]
- Thermistor module [ITB-60A-CE]
- Thermocouple module [ITB-05-CE]
- Anderson bridge [VAB-04]
- Calibration of ammeter and voltmeter using slide wire potentiometer [VML-200]
- series and shunt type ohm meter
- Strainer measurement trainer module(ITB-017-CE)
- Photo electric pick up
- LVDT



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