



VIDYA JYOTHI INSTITUTE OF TECHNOLOGY

(Accredited by NAAC & NBA, Approved by AICTE New Delhi & Permanently Affiliated to JNTUH)
Aziznagar Gate, C.B. Post, Hyderabad – 500 075

DEPARTMENT OF MECHANICAL ENGINEERING

IV B.Tech. I Semester

PRODUCTION DRAWING PRACTICE / INSTRUMENTATION LAB (A70391)

Course outcomes: Upon the completion of the lab, the students should be able to

1. Represent limits, fits, tolerances, surface roughness, heat and surface treatment symbols.
2. Generate detailed and part drawings from assembly drawings.
3. Calibrate pressure, flow, strain and displacement measuring instruments.
4. Use magnetic and speed pickups for speed measurement.
5. Calibrate different instruments used for temperature measurement

LIST OF EXPERIMENTS

S.NO.	EXPERIMENTS
1	CALIBRATION OF PRESSURE GAUGE
2	CALIBRATION OF RTD
3	CALIBRATION OF THERMISTER
4	CALIBRATION OF THERMOCOUPLE
5	CALIBRATION OF PHOTO AND MAGNETIC SPEED PICKUP
6	CALIBRATION OF CAPACTIVE TRANSDUCER CALIBRATION OF LVDT
7	CALIBRATION OF STRAIN GAUGE (STRAIN GAUGE MODULE)
8	CALIBRATION OF VIBRATION SETUP
9	CALIBRATION OF MCLEOD GAUGE
10	CALIBRATION OF ROTAMETER
11	CALIBRATION OF RTD

LIST OF EQUIPMENTS

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