

DEPARTMENT OF MECHANICAL ENGINEERING

Name of the Lab: Metrology and Measurements Laboratory

OBJECTIVES:

- To familiar with different measurement equipments and use of this industry for quality inspection.

OUTCOMES:

Upon the completion of this course the students will be able to

- **CO1:** Measure the gear tooth dimensions, angle using sine bar, straightness and flatness, thread parameters, temperature using thermocouple, force, displacement, torque and vibration.
- **CO2:** Calibrate the vernier, micrometer and slip gauges and setting up the comparator for the inspection

