



**ME 291**

**MECHANICAL TECHNOLOGY LAB**

- 1.Performance test on multi-cylinder petrol or diesel engine
- 2.Measurement of discharge by Venturi meter
- 3.Measurement of velocity by Pitot tube
- 4.Measurement of discharge by Orifice meter / Rotameter
- 5.Determination of Flash and Fire points of lubricants
- 6.Determination of Thermal conductivity of a composite wall
- 7.Determination of Heat transfer coefficient under Natural convection
- 9.Determination of volumetric efficiency of multi stage reciprocating air Compressor
- 10.Study of construction details of a Gear box (for EEE only)
- 11.Performance of (a) Francis, (b) Kaplan and (c) Pelton wheel Turbines
- 12.Performance and characteristics of (a) Reciprocating and (b) Centrifugal