

DEPARTMENT OF MECHANICAL ENGINEERING

Name of the Lab: Kinematics and Dynamics Laboratory

OBJECTIVES:

- To supplement the principles learnt in kinematics and Dynamics of Machinery.
- To understand how certain measuring devices are used for dynamic testing

OUTCOMES:

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

CO1: Explain gear parameters, kinematics of mechanisms, gyroscopic effect and working of lab equipments.

CO2: Determine mass moment of inertia of mechanical element, governor effort and range sensitivity, natural frequency and damping coefficient, torsional frequency, critical speeds of shafts, balancing mass of rotating and reciprocating masses, and transmissibility ratio



Estd - 2001