

KINEMATICS AND DYNAMICS

Mechanisms form the basis of any machine and it is an assemblage of rigid bodies so that they can perform relative motion to each other. The objective of this lab is to impart practical knowledge of design and analysis of various elements of given mechanisms and also learn how to synthesis mechanisms in order to get the specific type of motion for desired output. Various setups are available to understand kinetics and dynamics of mechanisms.

Laboratory is equipped with:

1. Universal Gyroscope
2. Governors setups (i.e. Hartnel, Proell, Porter, Watt)
3. Universal Balancing setup
4. Cam and follower system
5. Universal vibration test apparatus
6. Whirling of shaft set up