#### Mechanical Engineering Department

#### Lab Manual

#### IV- Semester

#### Subject: Theory of Machine - II

#### List of Experiment:

- 1. Study of Gyroscopic effect and determination of gyroscopic couple.
- Determination of jump sped of cam-follower system.
- 3. Dynamic balancing of the rotating mass system.
- To determine radius of Gyration "K" of given pendulum.
- To study the free vibration and to determine the natural frequency of vibration of Tow-Rotor system.
- To study the torsional vibration and to determine the natural frequency vibration of single rotor system.
- Study of longitudinal vibration and to determine the frequency of vibration.
- To study the damped torsional vibration and determine the damping coefficient.
- To verify the relation T = 2 II √1/g for a simple pendulum.
- Determination of whirling speed of shafts.

# **Mechanical Engineering Department Lab Manual**

Shasha Hu

Mechanical Engineering	Department Lab Manual:

Embracing the Beat of Term: An Emotional Symphony within Mechanical Engineering Department Lab Manual

In a world used by displays and the ceaseless chatter of instant transmission, the melodic splendor and psychological symphony created by the prepared term often fade into the back ground, eclipsed by the relentless noise and disruptions that permeate our lives. But, located within the pages of **Mechanical Engineering Department Lab Manual** a stunning literary prize full of raw emotions, lies an immersive symphony waiting to be embraced. Crafted by an outstanding musician of language, that interesting masterpiece conducts viewers on an emotional trip, well unraveling the concealed tunes and profound affect resonating within each carefully crafted phrase. Within the depths of the emotional assessment, we will investigate the book is main harmonies, analyze its enthralling publishing design, and submit ourselves to the profound resonance that echoes in the depths of readers souls.

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