## 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**

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Mechanical Engineering	Department Lab Manual:

The Enigmatic Realm of Mechanical Engineering Department Lab Manual: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing short of extraordinary. Within the captivating pages of **Mechanical Engineering Department Lab Manual** a literary masterpiece penned by a renowned author, readers embark on a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book is core themes, assess its distinct writing style, and delve into its lasting effect on the hearts and minds of people who partake in its reading experience.

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