# 4ME4-24: THEORY OF MACHINES LAB

1 To study inversions of four bar chain and slider crank mechanism and their practical applications.- https://youtu.be/pUOtLFic1uY

2 To study Steering Mechanisms: Davis and Ackerman. - https://youtu.be/anMCNrtbEnA

Study of quick return mechanism and its practical applications.- https://youtu.be/anMCNrtbEnA

4 Study of inversion of Double slider chain: Oldham Coupling, Scotch Yoke and Elliptical Trammel. - https://youtu.be/coDGwENxy4M

5 Study of various cam-follower arrangements. To plot displacement v/s angle of rotation curve for various cams - https://youtu.be/QDQoVp3vbDo

6 To determine co-efficient of friction using two roller oscillating arrangement. - https://youtu.be/4XoOCJ-KCEQ

7 Study of various types of dynamometers, Brakes and Clutches. - https://youtu.be/QIG7HPi9GZ4

8 Study of differential gear box. - https://youtu.be/SOgoejxzF8c

9 To verify the torque relation for gyroscope. - https://youtu.be/ty9QSiVC2g0

10 To perform wheel balancing. To perform static and dynamic balancing on balancing set up. - https://youtu.be/e611N5gR1z4

11 Study of a lathe gear box, sliding mesh automobile gear box, planetary gear box.- https://youtu.be/k1Bz7Qa2O8U