



S. N. Patel Institute of Technology & Research Centre, Umrakh

(A Vidyabharti Trust Institution)

Mechanical Engineering Department

Subject Name: Dynamics of Machinery

Subject Code: 3151911

Sr.No.	Experiment
1	Static and dynamic balancing of rotating masses.
2	Understanding of gyroscopic effect using motorized gyroscope.
3	Longitudinal free vibration of spring mass system.
4	Study of torsional vibration in shaft (single rotor and two rotor system)
5	Study of free damped vibration and logarithmic decrement.
6	Study of forced damped vibration.
7	Critical speed of the shaft.
8	Study of dynamic forces and turning moments in mechanisms.