

**Name of Lab: -Theory of Machine (TOM) Lab**

**Name of Lab In charge: - Prof.Parihar A.A**

**Name of Lab Assistant: - Mr. Patil S.K**

The objective of Theory of Machine Lab is to provide knowledge of various mechanism and machines is prerequisite for enabling a Mechanical engineer to work in an industry. This lab provides the knowledge of Kinematics and Dynamics of different machine elements popular mechanism such as Four link mechanism, Cam-Follower, Belt-Pulley, Chain-Sprocket, Gears, Flywheel, Brakes and Clutches to enable a Diploma holder to carry out maintenance of these and it is also serves as a prerequisite for a course “Elements of Machine Design” to be study in later semester.

**Maharashtra State Board of Technical Education**

**Equipment List**

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Particulars: Specifications of Major/essential Equipment required for conduction of practical as per curriculum

<b>SR NO</b>	<b>Particulars</b>	<b>No. Of Available</b>	<b>COST</b>
1	Bicycle Sprocket Mechanism	1	2,000 /-
2	Disk Brake Mechanism	1	6,000 /-
3	Belt Drive Mechanism	1	2,400 /-
4	Static Balancing Of Masses Equipment	1	18,400 /-
5	Band Brake Mechanism	1	6,000 /-
6	Internal Expanding Brake Mechanism	1	6,000 /-
7	Double Shoe Brake Mechanism	1	6,000 /-
8	Clutch Plate Model	1	6,600 /-
9	Slider Crank Mechanism	1	4,100 /-
10	Universal Governor Equipment	1	20,900 /-

11	Quick Return Mechanism	1	4,100 /-
12	Radial Camp Profile Models	5	11,700 /-
	<b>TOTAL COST</b>		<b>94,200 /-</b>

**Lab In charge**

**HOD**