

**LAB NAME: DYNAMICS LAB**

<b>SL. NO.</b>	<b>EQUIPMENTS</b>	<b>CONFIGURATION / SPECIFICATIONS</b>	<b>QUANTITY (Nos)</b>
1	Slider Crank Mechanism	Model for Demonstration	1
2	Crank Rocker Mechanism	Model for Demonstration	1
3	Universal Joint Model	Model for Demonstration	1
4	Turn Table Set Up	Mass of the Disc: Rods: Copper / Brass	1
5	Compound Pendulum	Mass of the Rod:	1
6	Bifilar Suspension	Cross Section of the Rod: rectangular, Mass of the Rod, Masses.	1
7	Spur Gear Model	Model for Demonstration	1
8	Helical Gear Model	Model for Demonstration	1
9	Bevel Gear Model	Model for Demonstration	1
10	Worm Gear Model	Model for Demonstration	1
11	Spring Mass Setup	Spring Used: Helical Open Coil Spring Masses (Kg) : 0.5, 1, 1.5 , 2	1
12	Single Universal Joint	Model for Demonstration with Protractors of 360 Degrees	1
13	Flywheel and Axis System	-	1
14	Torsion Setup	Two Circular Disc of Masses Shaft of Dia	1
15	Spur Gear Train	-	1
16	Epicyclic Gear Train	-	1
17	Differential Gear Train	-	1
18	Worm Gear Reducer	-	1
19	Cam follower with motor	-	1
20	Balancing of Rotating Masses	-	1
21	Universal Governor	-	1
22	Gyroscope – Motorized	-	1
23	Whirling of Shaft	-	1
24	Vibration Table	-	1
25	Vibration Analyzer	Measurement of frequency, Amplitude, Acceleration Vibration pickups – Accelerometer, Vibration Exciters, Digital display system, Signal generator and amplifier, Provision to integrate with computer and necessary accessories)	1
26	Digital Stroboscope hand held	Hand Held Type	1
27	Digital Tachometer ( Non Contact Type )	Non Contact Type	2

28	Digital Tachometer ( Contact Type )	Contact Type	2
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