







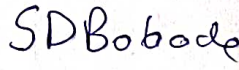

Department of Mechanical Engineering
New Horizon Institute of Technology and Management
 (Approved by AICTE & DTE, Affiliated to University of Mumbai)

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Name of the Document: Laboratory Profile		Document No.: 01
Department: Mechanical Engineering	Room No: TF602	Lab No:ME02
Name of the Laboratory: Kinematics of Machinery and Dynamics of Machinery		
Programme : Under Graduate		
Laboratory used for the Courses: MEL403 and MEL502		
Total Cost of the Laboratory as on today: Rs.3,75,761/-		
Faculty In-charge of the Laboratory: Mr. Pravin B. Alone		
Technical Supporting Staff: Mr. Mandar Sarmalkar		

Sr. No.	Details of Computer/ Apparatus / Equipments/ Instruments in the Laboratories	Quantity	Year of Purchase	Cost (Rs)
Kinematics of Machinery				
1	WHITE Worth Quick Return Mechanism	1	Dec 2015	3,000/-
2	Single Cylinder Crane Chain	1	Dec 2015	3,500/-
3	Rotary I.C Engine Mech (Wenkles Engine)	1	Dec 2015	10,000/-
4	Crank & Slotted Lever Quick	1	Dec 2015	5,000/-
5	Scotch Yoke Mechanism	1	Dec 2015	2,500/-
6	Oldham's Coupling	1	Dec 2015	3,200/-
7	Bicycle Free Wheel Sprocket Mech	1	Dec 2015	3,000/-
8	Geneva Mech	1	Dec 2015	2,000/-
9	Ackerman's Steering Gear Mech	1	Dec 2015	6,000/-
10	Foot Operated Air Pump Mech	1	Dec 2015	1,200/-
11	Cams Follower	5	Dec 2015	15,000/-
12	Simple Gear Train	1	Dec 2015	3,000/-
13	Compound Gear Train	1	Dec 2015	7,000/-
14	Single stage Spur gear	1	Dec 2015	3,000/-
15	Epicvclic Gear	1	Dec 2015	6,000/-
16	Kinematic Pairs	1	Dec 2015	4,500/-
17	Exact Straight Line Generating Mech	1	Dec 2015	7,500/-
18	Tchebicheff's Mechanism	1	Dec 2015	4,500/-
19	Watts Mechanism	1	Dec 2015	4,500/-
Dynamics of Machinery				
1	Universal Vibration apparatus	1	July 2016	1,23,250/-
2	Whirling of Shaft Apparatus	1	July 2016	33,150/-
3	Static & Dynamic Balancing apparatus	1	July 2016	24,650/-
4	Procell Governor & Hartnell Governor	1	July 2016	32,300/-
5	Gyroscope	1	July 2016	35,700/-

Prepared By  Lab Incharge	Verified By  HOD		Approved By  Vice Principal	Certified By  Principal
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