



Department of Artificial Intelligence & Data Science

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
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Department: Mechatronics Engineering	Room No: TF613	Lab No: MX 05
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Name of the Laboratory: Mechatronics Laboratory	
Programme : Under Graduate	
Laboratory used for the Courses: MTL501, MTL701, MTL603, MESBL601	
Total Cost of the Laboratory as on today: Rs. 4,98,290/-	
Faculty In-charge of the Laboratory: Mr. Chandraprakash M. Zode	
Technical Supporting Staff: Ms. Suchitra Morbale	

Sr. No.	Details of Computer/ Apparatus / Equipments/ Instruments in the Laboratories	Quantity	Year of Purchase	Cost (Rs)
Mechatronics Laboratory				
1	Pneumatic Hydraulic trainer with air Compressor and Pump	1	Mar 2018	1,25,000/-
2	Electro-Pneumatic Trainer Kit	1	Mar 2018	39,000/-
3	Electro-Hydraulic Trainer Kit	1	Mar 2018	58,500/-
4	PLC Trainer	1	Mar 2018	55,250/-
5	Sensor & Actuator	1	Mar 2018	26,650/-
6	PID Trainer	1	Mar 2018	26,000/-
Instrumentation Laboratory				
1	Calibration of displacement sensor	1	Oct 2016	14,391/-
2	Torque Measurement using Strain gauge	1	Oct 2016	13,572/-
3	Calibration of tachometer	1	Oct 2016	14,400/-
4	Feedback control system & servo mechatronics	1	Oct 2016	22,464/-
5	Thermocouple -CRAL	1	Oct 2016	11,232/-
6	Frequency Response System Identification	1	Oct 2016	11,138/-
7	Design of PID Controller for a system	1	Oct 2016	24,336/-

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