



Department of Artificial Intelligence & Data Science

New Horizon Institute of Technology and Management

(Approved by AICTE & DTE, Affiliated to University of Mumbai)

Anand Nagar, Kavesar, Off Ghodbundar Road,
Thane (West)-400615

Phone: 022-25971778 022-25970815

e-mail: headaids@nhitm.ac.in

Website: www.nhitm.ac.in

Name of the Document: Laboratory Profile

Document No.: 01

Department :Mechatronics Engineering

Room No:TF611

Lab No:MX03

Name of the Laboratory: Embedded and Digital Laboratory

Programme : Under Graduate

Laboratory used for the Courses: MTL503,CSL302

Total Cost of the Laboratory as on today: Rs.4,59,680/-

Faculty In-charge of the Laboratory: Mr.Ramesh V Adokar

Technical Supporting Staff: Ms. Suchitra Morbale



Sr. No.	Details of Computer/ Apparatus / Equipments/ Instruments in the Laboratories	Quantity	Year of Purchase	Cost (Rs)
1	8051 Microcontroller Training kit with display & 101 PC key board	6	2016	48750
2	8086 Microprocessor Training kit with LCD display & 101 PC key board	2	2016	19580
3	8085 Microprocessor Training kit with LCD display & 101 PC key board	2	2016	17210
4	LPC 2148 ARM Embedded training kit	1	2016	9750
5	8251 USART study card +FRC+serial cable	1	2016	2047
6	8257 DMA study card+FRC	1	2016	2047
7	Stepper motor driver card & motor +FRC	1	2016	3032
8	8 channel A/D using ADC 0809 card +FRC	1	2016	3445
9	Temperature Measurement interface + FRC	1	2016	1917
10	8259 PIC Study card +FRC	1	2016	2049
11	Arm 7 Development Board	5	2019	36000
12	MSP430 Development Board	2	2019	9720
13	8051 Microcontroller Development Board	5	2019	47500
14	Universal Trainer Kit	5	2015	40687.50
15	FPGA Kit	1	2015	15345
16	Dual output preset DC Power Supply	2	2015	14000
17	Digital Multimeter	2	2015	3400
18	Dual Trace Oscilloscope	1	2015	15550
19	Function Generator	3	2014	23035
20	Dual Trace Oscilloscope	3	2014	55104
21	Dual Power Supply	4	2014	35436
22	Digital Multimeter	4	2014	3000

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