




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
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Department: Mechanical Engineering	Room No: TF 604	Lab No:ME04
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Name of the Laboratory: Thermal Engineering	
Programme: Under Graduate	
Laboratory used for the Courses: MEL501, MEL602	
Total Cost of the Laboratory as on today: Rs. 3,52,058/-	
Faculty In-charge of the Laboratory: Mr. Sunil T. Kadam	
Technical Supporting Staff: Mr. Manish Sawant	

Sr. No.	Details of Computer/ Apparatus / Equipments/ Instruments in the Laboratories	Quantity	Year of Purchase	Cost (Rs)
1	Thermal Conductivity of Insulating powder	1	July 2016	32,300/-
2	Pin fin in natural and forced convection	1	July 2016	38,250/-
3	Unsteady State Heat Transfer Apparatus	1	July 2016	35,700/-
4	Heat Pipe Demonstration	1	July 2016	36,550/-
5	Heat transfer in Natural Convection	1	July 2016	29,750/-
6	Shell and Tube Heat exchanger	1	July 2016	44,200/-
7	Emissivity of test surface apparatus	1	July 2016	38,250/-
8	Cochran Boiler	1	Aug 2017	8,482/-
9	Babcock and Wilcox Boiler	1	Aug 2017	10,288/-
10	Locomotive Boiler	1	Aug 2017	8,481/-
11	Velox Boiler	1	Aug 2017	8,481/-
12	Lamount Boiler	1	Aug 2017	6,711/-
13	Cornish Boiler	1	Aug 2017	8,481/-

Prepared By	Verified By		Approved By	Certified By
 Lab In charge	 HOD		 Vice Principal	 Principal