



**VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF MECHANICAL ENGINEERING**

**List of Laboratory Equipment available in the Department of
Mechanical Engineering**

S.No.	NAME OF THE LABORATORY	Location	Area in Sq.m	Total Cost of Equipment/ Machinery / Software in Rs.
1.	Applied Thermodynamics	LM1B/B	182	2287241
2.	Thermal Engineering	LM1A/A	192	1626096
3.	Metal Casting Lab	LM3/A	152	256421
4.	Machine Tools Lab	LM2/A	287	3190827
5.	Metallurgy Lab	LM6/A	112	704242
6.	Metal Forming Lab	LM5	68	501881
7.	CAD/CAE Lab	C-001	103	4625581
8.	CAM Lab	C-002	112	6671551
9.	Dynamics of Machines Lab	C-003	83	3800534
10.	Metrology & Instrumentation Lab	C-005	65	755504
11.	Welding Lab	LM4/C	152	839448
12.	Workshop (Carpentry, House wiring, Fitting, Smithy, Sheet Metal and Plumbing)	LM4/A	631	256836
13.	Robotics Lab	J-401	124	973800
14.	Project Lab	AC-002	96	54870
15.	PG Lab	C-004	65	2371102
	TOTAL (Rs):			28915934

List of Computing Facility in the Department

S. No	Software description	Date of purchase	No. Available	Cost each (Rs.)	Renewal status
1.	MSC ADAMS	26.03.2013	150 LICENSES	4,08,285	Perpetual
2.	LS DYNA	24.01.2014	4 CORE	3,59,310	Perpetual
3.	SIEMENS NX 11.0	27.12.2010	30 Licenses	5,72,000	01.01.2024
4.	ANSYS Academic Teaching Mechanical & CFD – TECS Virsion 2023R2	03.11.2017	25 licenses	3,50,000	01.10.2022 to 30.09.2025
5.	Hyperworks 17.0	05.02.2018	30 licenses	8,02,400	Perpetual
6.	Ansys turbo tools18.0	10.10.2013	5 users perpetual licenses	5,06,400	30.09.2021
7.	CATIA V5 Academic discovery	28.10.13	30 Licenses	8,86,200	23.10.2015
8.	CNC Trainer	18.01.2011	10 Licenses,	3,64,500	Perpetual
9	MATLAB	01.04.2020	Unlimited Campus wide License	12,00,000	31.03.2021
10	LAB VIEW	2017	30 Licenses	17,62,925	2021