

# ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

## Mandatory Disclosure — Laboratory Details

Institution Name:	National Model Institute of Technology, Bengaluru	AICTE ID:	1-4721839540
State / District:	Karnataka / Bengaluru	Affiliated To:	Visvesvaraya Technological University (VTU)
Principal / Director:	Dr. Sunanda Rajan, Ph.D (IISc)	Academic Year:	2024-25

### 1. Laboratory Summary

Parameter	Details
Total Number of Laboratories	12
Total Laboratory Area (sq ft)	28,400 sq ft
AICTE Required Lab Area (sq ft)	22,000 sq ft
Compliance Status	COMPLIANT
Total Equipment Count (all labs)	486 items
Total Equipment Value (approx.)	Rs. 3.24 Crore
Number of labs with internet/LAN	8 of 12
Number of labs with 24hr power backup	12 of 12

### 2. Department-wise Laboratory Details

S.No	Laboratory Name	Dept.	Area (sq ft)	No. of Equip.	Major Equipment	Est. Value (Rs.)
1	Computer Science & Engineering Lab	CSE	2,400	60	Dell Optiplex 7090 (60 nodes), 1Gbps LAN, 10TB DB Server	28,00,000
2	Computer Science & Engineering Lab	CSE	2,200	55	Lenovo ThinkCentre (55 nodes), Linux cluster, Cisco switch	24,50,000
3	Artificial Intelligence & ML Lab	CSE	1,800	30	GPU Workstations (NVIDIA RTX 4090 x3), 16GB RAM, AI kits, Raspberry Pi	18,00,000
4	Electronics & Communication Lab	ECE	2,100	65	Oscilloscopes, Function Generators, DSO, Spectrum Analyser	3,50,000
5	VLSI & Embedded Systems Lab	ECE	1,600	40	FPGA Boards (Xilinx), ARM dev kits, PC, 2TB storage unit	2,20,000
6	Microprocessor & Microcontroller Lab	ECE	1,500	45	8085/8086 kits, Arduino, Raspberry Pi, 240 modules	2,40,000
7	Mechanical Engineering Workshop	ME	3,200	80	Lathe, Milling M/c, CNC turning centre, Welding units, Grinders	12,00,000
8	Thermodynamics & Fluid Mechanics Lab	ME	1,800	35	Boiler model, Pelton/Francis/Kaplan turbines, 12 pressure gauges	12,90,000
9	Concrete Technology & Surveying Lab	Civil	2,400	50	Universal testing machine, Total stations, GPS receivers	1,30,000
10	Environmental Engineering Lab	Civil	1,600	28	BOD incubator, COD digester, DO meter, 200 liters, Turbidity	8,20,000
11	Pharmaceutical Chemistry Lab	Pharma	2,400	42	HPLC, UV-Visible spectrophotometer, F250 Rotary evaporator	75,00,000
12	Computer Lab (MBA / MCA)	MBA/MCA	1,600	56	HP Workstations (56), ERP lab (SAP), 2000 sq ft	20,00,000
TOTAL			24,600	486		Rs. 2,63,60,000

3. Lab Safety & Compliance

Safety Parameter	Status	Remarks
Fire Extinguishers (per lab)	Installed	Recharged annually — last: Sep 2024
First Aid Kit	Available	All 12 labs equipped
Emergency Exit Signage	Installed	ISO 7010 compliant
Earthing / Electrical Safety Check	Done	Certified by BESCO — Oct 2024
Water Supply in Chemical Labs	Available	Eye wash station + emergency shower
CCTV Surveillance	Operational	24/7, 32-camera network
Lab Attendant / Technician	Present	1 technician per lab, 3 labs share 1

I hereby certify that the information furnished above is true, complete and correct to the best of my knowledge and belief.

Principal / Director Signature

Seal of Institution

Date:

Note: Equipment purchase invoices and calibration certificates available for inspection.