

Annexure – VI

Details of Laboratories and Workshops

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17. **Laboratory:** Provide Course-wise details separately

a) **Space requirement:**

Norms:

- In respect of Engg. & Tech. courses, the required carpet area per Laboratory shall be 66 Sq.m and for workshop 400 Sq.m for a batch of 60 students.
- In respect of B.Arch courses, the required area per Laboratory shall be 66 Sq.m, studio 132 Sq.m. and for model making carpentry workshop 200 Sq.m. for a batch of 40 students.
- In respect of M.C.A. course, the required area per Laboratory shall be 66 Sq.m for a batch of 60 students.

S. No.	Name of the Laboratories / Workshop	Carpet Area available Laboratories (Sq. m)
Laboratory	Department: Civil Engineering	
1	Hydraulic Engineering Laboratory	256
2	Soil Mechanics Laboratory	279
3	Concrete And Highway Engineering Laboratory	256
4	Environmental Engineering Laboratory	335
5	Survey Practical I	256
6	Computer Aided Design And Drafting Laboratory	256
7	Computer Aided Building Drawing	256
8	Strength Of Materials Laboratory	256
9	Survey Practical II	256
Laboratory	Department: Computer Science & Engineering	
1	Programming Language Laboratory	137.9
2	Internet Programming Laboratory	137.9
3	Computer Centre	157.4
4	Thin Client Laboratory	78.8
5	Open Source Laboratory	78.8
6	Basic Computer Laboratory	78.8
7	Network Laboratory	78.8

8	Object oriented Programming Laboratory	78.8
9	Operating Systems Laboratory	78.8
10	Computer Practice Laboratory	78.8
Laboratory	Department: Electrical & Electronics Engineering	
1	Electrical Machines-I	236.4
2	Electrical Machines-II	197
3	Power system Simulation	118.8
4	Measurements and Instrumentation	78.8
5	Power Electronics	78.8
6	Embedded Systems	78.8
7	Microprocessor	78.8
8	Electric circuits	78.8
9	Engineering Practices	78.8
10	Research and Development centre	78.8
Laboratory	Department : Electronics & Communication Engineering	
1	Electronic Circuits & Simulation / ADC Laboratory I	118
2	Electronic Devices / Communication Systems Laboratory	98
3	Linear Integrated Circuits / Digital Laboratory I	102
4	Optical and Microwave Laboratory II	115
5	Optical and Microwave Laboratory I	120
6	Digital Signal Processing / VLSI Laboratory II	121
7	Embedded System Design / VLSI Laboratory I	81
8	Digital / Microprocessor Laboratory II	121
9	Digital Signal Processing Laboratory - II	74
10	M.E - A.E Laboratory	77
11	M.E - C.N Laboratory	81
12	Computer Networks / OOP Laboratory I	81
13	Linear Integrated Circuits / ADC Laboratory II	97
14	Tele Communication / Circuits & Simulation Laboratory II	100
15	Embedded System Design Laboratory II	82
16	Microprocessor & Microcontroller Laboratory	128

17	OOP / Computer Networks Laboratory II	107
18	MEMS Laboratory	119
19	Robotics Laboratory	116
20	R&D Laboratory	156
21	MEMS Fab Laboratory	91
Laboratory	Department: Electronics and Instrumentation Engineering	
1	Industrial Instrumentation Laboratory	78.8
2	Transducer and measurements Laboratory	78.8
3	Instrumentation System Design and Integrated Circuits Laboratory	78.8
4	Process Control Laboratory	118.8
Laboratory	Department : Mechanical Engineering	
1	Engineering Practices Laboratory	156 (78+78)
2	Computer Aided Drafting and Modelling Laboratory	78
3	Manufacturing Technology Laboratory - I	78
4	Fluid Mechanics and Machinery Laboratory	78
5	Manufacturing Technology Laboratory–II	78
6	Thermal Engineering Laboratory-I	78
7	Strength of Materials Laboratory	78
8	Dynamics Laboratory	78
9.	Thermal Engineering Laboratory-II	78
10.	Metrology and Measurements Laboratory	78
11	C.A.D. / C.A.M. Laboratory	156
12	Simulation and Analysis Laboratory	78
13	Mechatronics Laboratory	156
Laboratory	Department: Information Technology	
1	RDBMS Laboratory	98
2	System Software Laboratory	98
3	Multimedia Laboratory	98
Laboratory	M.E. – Computer Science & Engineering	
1	Data Structures & Language Laboratory	78.8
Laboratory	M.E. – Applied Electronics	
1	Applied Electronics Laboratory – I	78.8
2	Robotics	78.8

Laboratory	M.E. – Communication & Networking	
1	Communication & Networking Laboratory – I	78.8
2	R&D Laboratory	78.8
Laboratory	M.E. – VLSI Design	
1	VLSI Design Laboratory II	78.8
2	MEMS Laboratory	78.8
3	MEMS Fab Laboratory	78.8
Laboratory	M.E. – Embedded Systems	
1	Embedded Laboratory II	78.8
Laboratory	M.E. – CAD/CAM	
1	CAD/CAE Laboratory	78.8
2	CAM Laboratory	78.8
3	Research Laboratory	78.8
Laboratory	M.E. – Software Engineering	
1	Software Testing Laboratory	78.8
Laboratory	MBA (Master of Business Administration)	
1	DABM- MBA- Laboratory	41.80
Laboratory	Science & Humanities	
1	Physics Laboratory-I	1525.9
2	Physics Laboratory-II	1133.4
3	Physics Laboratory-III	1524.2
4	DST Project Laboratory	321.2
5	Tepp- DST Project Laboratory	170.1
6	BRNS Project Laboratory-I	103.3
7	BRNS Project Laboratory-II	334.2
8	Chemistry Laboratory-1	160.64
9	Chemistry Laboratory-2	118.08
10	Chemistry Laboratory-3	87.94
11	Language Laboratory - 1	765.314
12	Language Laboratory - 2	959
13	Communication Laboratory	949.376
GRAND TOTAL in Sq.m =		15896.94