

S.No	Degree	Department	Specialization	year	Semester	Lab Code	Lab Name	Equipment Name
1	M.Tech	Civil Engineering	Structural Engineering	1	1	61LAB	Advanced Concrete	b)Ultra Sonic Pulse Velocity Test
2	M.Tech	Civil Engineering	Structural Engineering	1	1	61LAB	Advanced Concrete	Specific Gravity of Cement
3	M.Tech	Civil Engineering	Structural Engineering	1	1	61LAB	Advanced Concrete	Standard Consistency of Cement
4	M.Tech	Civil Engineering	Structural Engineering	1	1	61LAB	Advanced Concrete	Setting time of Cement
5	M.Tech	Civil Engineering	Structural Engineering	1	1	61LAB	Advanced Concrete	Soundness of Cement
6	M.Tech	Civil Engineering	Structural Engineering	1	1	61LAB	Advanced Concrete	Compressive Strength of Cement
7	M.Tech	Civil Engineering	Structural Engineering	1	1	61LAB	Advanced Concrete	Bulking of fine aggregate
8	M.Tech	Civil Engineering	Structural Engineering	1	1	61LAB	Advanced Concrete	Specific Gravity of Fine & Coarse aggregate
9	M.Tech	Civil Engineering	Structural Engineering	1	1	61LAB	Advanced Concrete	IS Method of Mix Design for Normal Concrete

10	M.Tech	Civil Engineering	Structural Engineering	1	1	61LAB	Advanced Concrete	Moulds 150mm Size
11	M.Tech	Civil Engineering	Structural Engineering	1	1	61LAB	Advanced Concrete	Workability Tests on Fresh Properties of Normal Concrete
12	M.Tech	Civil Engineering	Structural Engineering	1	1	61LAB	Advanced Concrete	a) Slump Cone Test
13	M.Tech	Civil Engineering	Structural Engineering	1	1	61LAB	Advanced Concrete	b) Compaction Factor Test
14	M.Tech	Civil Engineering	Structural Engineering	1	1	61LAB	Advanced Concrete	c) Vee-bee Consistometer Test
15	M.Tech	Civil Engineering	Structural Engineering	1	1	61LAB	Advanced Concrete	Mix Design of Self Compacting Concrete
16	M.Tech	Civil Engineering	Structural Engineering	1	1	61LAB	Advanced Concrete	Tests on Fresh Properties of SCC
17	M.Tech	Civil Engineering	Structural Engineering	1	1	61LAB	Advanced Concrete	a) Flow Table
18	M.Tech	Civil Engineering	Structural Engineering	1	1	61LAB	Advanced Concrete	b) V-Funnel
19	M.Tech	Civil Engineering	Structural Engineering	1	1	61LAB	Advanced Concrete	c) T5 Test

20	M.Tech	Civil Engineering	Structural Engineering	1	1	61LAB	Advanced Concrete	d) J Ring
21	M.Tech	Civil Engineering	Structural Engineering	1	1	61LAB	Advanced Concrete	e) L Box
22	M.Tech	Civil Engineering	Structural Engineering	1	1	61LAB	Advanced Concrete	Compressive Strength of Concrete
23	M.Tech	Civil Engineering	Structural Engineering	1	1	61LAB	Advanced Concrete	Flexure Testing of Beam
24	M.Tech	Civil Engineering	Structural Engineering	1	1	61LAB	Advanced Concrete	Non Destructive Tests on Concrete
25	M.Tech	Civil Engineering	Structural Engineering	1	1	61LAB	Advanced Concrete	a) Rebound Hammer Test
26	M.Tech	Civil Engineering	Structural Engineering	1	2	61LAB	Advanced CAD lab	HP Computers with Turbo C
27	M.Tech	Civil Engineering	Structural Engineering	1	2	61LAB	Advanced CAD lab	HP Computers with Microsoft Excel
28	M.Tech	Civil Engineering	Structural Engineering	1	2	61LAB	Advanced CAD lab	HP Computers with StaadPro

CIVIL ENGINEERING LAB DATA

S.No	Specialization	year	Sem ester	Lab Code	Lab Name	Equipment Name	Floor Area (mtr sq)	Room No	Photo
1	Civil Engineering	2	1	CE306ES	Strength of materials Lab	UTM	132	SHB - 03	
2	Civil Engineering	2	1	CE306ES	Strength of materials Lab	Torsion Test	132	SHB - 03	
3	Civil Engineering	2	1	CE306ES	Strength of materials Lab	Brinells Hardness Test	132	SHB - 03	
4	Civil Engineering	2	1	CE306ES	Strength of materials Lab	compression testing machine	132	SHB - 03	
5	Civil Engineering	2	1	CE306ES	Strength of materials Lab	Rockwell's Hardness Test	132	SHB - 03	
6	Civil Engineering	2	1	CE306ES	Strength of materials Lab	Izod impact	132	SHB - 03	
7	Civil Engineering	2	1	CE306ES	Strength of materials Lab	Electrical Resistance gauges.	132	SHB - 03	
8	Civil Engineering	2	1	CE306ES	Strength of materials Lab	Continuous beam setup	132	SHB - 03	
9	Civil Engineering	2	1	CE306ES	Strength of materials Lab	for Maxwell's theorem verification.	132	SHB - 03	
10	Civil Engineering	2	1	CE306ES	Strength of materials Lab	Shear Testing Machine	132	SHB - 03	
11	Civil Engineering	2	1	CE306ES	Strength of materials Lab	Spring testing machine	132	SHB - 03	

12	Civil Engineering	2	1	CE308ES	surveying lab	Chains, tapes, Ranging rods, cross staff, arrows	78	106	
13	Civil Engineering	2	1	CE308ES	surveying lab	Compasses and Tripods, Optical square.	78	106	
14	Civil Engineering	2	1	CE308ES	surveying lab	Alidade, Plumbing fork, trough compasses	78	106	
15	Civil Engineering	2	1	CE308ES	surveying lab	Leveling instruments and leveling staves	78	106	
16	Civil Engineering	2	1	CE308ES	surveying lab	Box sextants, planimeter	78	106	
17	Civil Engineering	2	2	CE307ES	Computer AIDED Drafting of buildings	Licensed software of AUTO CAD 30	132	304	
18	Civil Engineering	2	2	CE408ES	surveying lab II	Theodeolite	33.2864	106	
19	Civil Engineering	2	2	CE408ES	surveying lab II	Total station	33.2864	106	
20	Civil Engineering	2	2	A50181	Fluid mechanics & Hydraulic machinery lab	Orifice set up	132	114/A	
21	Civil Engineering	2	2	A50181	Fluid mechanics & Hydraulic machinery lab	Mouth Piece set up	132	114/A	
21	Civil Engineering	2	2	A50181	Fluid mechanics & Hydraulic machinery lab	Rectangular Notch set up	132	114/A	

	Civil Engineering	2	2	A50181	Fluid mechanics & Hydraulic machinery lab	Triangular Notch set up	132	114/A	
		2	2		Fluid mechanics & Hydraulic machinery lab	Trapezoidal notch	132	114/A	
23	Civil Engineering	2	2		Fluid mechanics & Hydraulic machinery lab	friction factor setup	132	114/A	
24	Civil Engineering	2	2	A50181	Fluid mechanics & Hydraulic machinery lab	Venturi meter set up for flow measurement	132	114/A	
25	Civil Engineering	2	2	A50181	Fluid mechanics & Hydraulic machinery lab	orifice meter setup for flow measurement	132	114/A	
26	Civil Engineering	2	2	A50181	Fluid mechanics & Hydraulic machinery lab	minor losses measurement in pipe for sudden	132	114/A	
27	Civil Engineering	2	2	A50181	Fluid mechanics & Hydraulic machinery lab	contraction and for sudden expansion	132	114/A	
28	Civil Engineering	2	2	A40188	Fluid mechanics & Hydraulic machinery lab	Bernoulli's apparatus	132	114/A	
29	Civil Engineering	2	2		Fluid mechanics & Hydraulic machinery lab	water hammer condition development for sudden closure			
30	Civil Engineering	2	2	A50191	Engineering Geology lab	Rock specimens	122	105/B	

31	Civil Engineering	2	2	A50191	Engineering Geology lab	Mineral specimens	122	105/B	
32	Civil Engineering	2	2	A50191	Engineering Geology lab	Models of structural geology	122	105/B	
33	Civil Engineering	2	2	A50191	Engineering Geology lab	geological maps of india	122	105/B	
34	Civil Engineering	3	1	A50181	Fluid mechanics & Hydraulic machinery lab	orifice meter setup for flow measurement	132	114/A	
35	Civil Engineering	3	1	A50181	Fluid mechanics & Hydraulic machinery lab	Rectangular Notch set up	132	114/A	
36	Civil Engineering	3	1	A50181	Fluid mechanics & Hydraulic machinery lab	Triangular Notch set up	132	114/A	
37	Civil Engineering	2	2	A40188	MF&HM	PELTON WHEEL TURBINE TEST RIG	132	114/A	
38	Civil Engineering	3	1	A50181	Fluid mechanics & Hydraulic machinery lab	francis Turbine experimental Set up	132	114/A	
39	Civil Engineering	3	1	A50181	Fluid mechanics & Hydraulic machinery lab	Experimental set up for verification of Bernouli's theorem	132	114/A	
40	Civil Engineering	3	1	A50181	Fluid mechanics & Hydraulic machinery lab	Single stage and multi stage set ups for Centrifugal	132	114/A	

41	Civil Engineering	3	1	A50181	Fluid mechanics & Hydrolic machinery lab	Reciprocating pump set up	132	114/A	
42	Civil Engineering	3	1	A50181	Fluid mechanics & Hydrolic machinery lab	Pipe line assembly for determination of head loss and friction	132	114/A	
43	Civil Engineering	3	1	A50181	Fluid mechanics & Hydrolic machinery lab	hydraulic jump	132	114/A	
44	Civil Engineering	3	1	A50181	Fluid mechanics & Hydrolic machinery lab	Mouth Piece set up for discharge	132	114/A	
45	Civil Engineering	3	1	A50181	Fluid mechanics & Hydrolic machinery lab	Venturi meter set up for flow measurement	132	114/A	
46	Civil Engineering	3	1	A50181	Fluid mechanics & Hydrolic machinery lab	orifice meter setup for flow measurement	132	114/A	
47	Civil Engineering	3	1	A50181	Fluid mechanics & Hydrolic machinery lab	Impact of jet	132	114/A	
48	Civil Engineering	3	1	A50181	Fluid mechanics & Hydrolic machinery lab	sudden closure valve setup to study water	132	114/A	
49	Civil Engineering	3	1	A50181	Fluid mechanics & Hydrolic machinery lab	Discharge from Orifice set up	132	114/A	

50	Civil Engineering	3	1	A50181	Fluid mechanics & Hydraulic machinery lab	Mouth Piece set up for discharge	132	114/A	
51	Civil Engineering	3	1	A50181	Fluid mechanics & Hydraulic machinery lab	Rectangular Notch set up	132	114/A	
51	Civil Engineering	3	1	A50181	Fluid mechanics & Hydraulic machinery lab	Triangular Notch set up	132	114/A	
51	Civil Engineering	3	1	A50181	Fluid mechanics & Hydraulic machinery lab	Trapezoidal notch	132	114/A	
52	Civil Engineering	3	1	A50191	Engineering Geology lab	Rock specimens	122	105/B	
53	Civil Engineering	3	1	A50191	Engineering Geology lab	Mineral specimens	122	105/B	
54	Civil Engineering	3	1	A50191	Engineering Geology lab	Models of structural geology	122	105/B	
55	Civil Engineering	2	2	A50191	Engineering Geology lab	geological maps of india	122	105/B	
56	Civil Engineering	3	2	A60194	Geo Technical Engineering Lab	CBR Test	133.1716	SHB-01	
57	Civil Engineering	3	2	A60194	Geo Technical Engineering Lab	Triaxial test	133.1716	SHB-01	
58	Civil Engineering	3	2	A60194	Geo Technical Engineering Lab	Direct shear test	133.1716	SHB-01	

59	Civil Engineering	3	2	A60194	Geo Technical Engineering Lab	Unconfined compressio n test	133.1716	SHB-01	
60	Civil Engineering	3	2	A60194	Geo Technical Engineering Lab	Consolidatio n test	133.1716	SHB-01	
61	Civil Engineering	3	2	A60194	Geo Technical Engineering Lab	Permeability Test	133.1716	SHB-01	
62	Civil Engineering	3	2	A60194	Geo Technical Engineering Lab	Vane Shear Test	133.1716	SHB-01	
63	B.Tech	3	2	A60194	Geo Technical Engineering Lab	casagrandes liquid limit apparatus with accessories	133.1716	SHB-01	
64	B.Tech	3	2	A60194	Geo Technical Engineering Lab	plastic limit apparatus with accessories	133.1716	SHB-01	
65	B.Tech	3	2	A60194	Geo Technical Engineering Lab	shrinkage limit apparatus with accessories	133.1716	SHB-01	
66	Civil Engineering	4	1		Concrete & Highway materials lab	Abrasion test	133.1716	SHB-01	
67	Civil Engineering	4	1		Concrete & Highway materials lab	Aggregate Impact Test	133.1716	SHB-01	

68	Civil Engineering	4	1		Concrete & Highway materials lab	Attrition Test	133.1716	SHB-01	
69	Civil Engineering	4	1		Concrete & Highway materials lab	Shape tests/ length guage/thickn ess guage	133.1716	SHB-01	
70	Civil Engineering	4	1		Concrete & Highway materials lab	Shape tests/ length guage/thickn ess guage	133.1716	SHB-01	
71	Civil Engineering	4	1		Concrete & Highway materials lab	Penetration Test.	133.1716	SHB-01	
72	Civil Engineering	4	1		Concrete & Highway materials lab	Ductility Test.	133.1716	SHB-01	
73	Civil Engineering	4	1		Concrete & Highway materials lab	Softening Point Test	133.172	SHB-01	
74	Civil Engineering	4	1		Concrete & Highway materials lab	Flash and fire point tests.	133.1716	SHB-01	
75	Civil Engineering	4	1		Concrete & Highway materials lab	Compression Test of Cement	132	SHB - 03	
76	Civil Engineering	4	1		Concrete & Highway materials lab	Destructive testing or concrete(Sch midt's	133.1716	SHB-02	
77	Civil Engineering	4	1		Concrete & Highway materials lab	oven	133.1716	SHB-01	

78	Civil Engineering	4	1		Environmetal Engg. Lag	BOD apparatus	140	315	
79	Civil Engineering	4	1		Environmetal Engg. Lag	COD apparatus	140	315	
80	Civil Engineering	4	1		Environmetal Engg. Lag	Incubator	140	315	
81	Civil Engineering	4	1		Environmetal Engg. Lag	Micro balancer	140	315	
82	Civil Engineering	4	1		Environmetal Engg. Lag	Refrigerator	140	315	
83	Civil Engineering	4	1		Environmetal Engg. Lag	oven	140	315	
84	Civil Engineering	4	1		Environmetal Engg. Lag	Titration equipment & Setup	140	315	
85	Civil Engineering	4	1		Environmetal Engg. Lag	METER, TURBIDITY METER, SPECTROPHOTOMETER,	140	315	

