

## B.Tech Civil Engineering - Curriculum

### Semester - I

S.No	Course No	Course Name	L-T-P-C*
1	CS1100	Computational Engineering ( <a href="#">Syllabus</a> )	2-0-3-4
2	CY1010	Chemistry – I (Physical & Theoretical) ( <a href="#">Syllabus</a> )	2-1-0-3
3	ID1100	Concepts in Engineering & Design ( <a href="#">Syllabus</a> )	3-0-0-3
4	MA1010	Mathematics-I ( <a href="#">Syllabus</a> )	3-1-0-4
5	ME1120	Engineering Drawing ( <a href="#">Syllabus</a> )	0-0-3-3
6	PH1010	Physics-I ( <a href="#">Syllabus</a> )	2-1-0-3
7	PH1030	Physics Lab-I	0-0-3-2
8	WS1010	Workshop-I ( <a href="#">Syllabus</a> )	0-0-3-2

### Semester - II

S.No	Course No	Course Name	L-T-P-C*
1	AM1100	Engineering Mechanics ( <a href="#">Syllabus</a> )	3-1-0-4
2	CY1020	Chemistry – II (Organic & Inorganic) ( <a href="#">Syllabus</a> )	2-1-0-3
3	CY1030	Chemistry Lab – I ( <a href="#">Syllabus</a> )	0-0-3-2
4	GN1100	Life skills	2-0-0-2
5	ID1200	Ecology and Environment	2-0-0-2
6	MA1020	Mathematics-II ( <a href="#">Syllabus</a> )	3-1-0-4
7	ME1100	Thermodynamics ( <a href="#">Syllabus</a> )	2-1-0-3
8	PH1020	Physics – II ( <a href="#">Syllabus</a> )	2-1-0-3
9	WS1020	Workshop – II	0-0-3-2

### Semester - III

S.No	Course No	Course Name	L-T-P-C*
1	AM2200	Strength of Materials	3-1-0-4
2	CE1020	Functional Design of Buildings	2-0-0-2
3	CE2050	Building Drawing	0-0-3-2
4	CE2330	Civil Engg. Materials & Construction	4-0-0-4
5	EE1100	Basic Electrical Engineering ( <a href="#">Syllabus</a> )	3-0-0-3
6	BT1010	Life Sciences	2-0-0-2
7	MAE1	Mathematics Elective 1 ( <a href="#">Syllabus</a> )	3-0-0-3
8	HSE1	Humanities Elective 1	3-0-0-3

### Semester - IV

S.No	Course No	Course Name	L-T-P-C*
1	CE2020	Structural Analysis	3-1-0-4
2	CE2040	Hydraulic Engineering	3-1-0-4
3	CE2060	Geology and Soil Mechanics	3-1-0-4
4	CE2080	Surveying	3-1-0-4
5	CE2100	Surveying Practical	0-0-3-2
6	MAE2	Mathematics Electives-2	3-0-0-3
7	HSE2	Humanities Electives-2	3-0-0-3

### SEMESTER V

No	Title	Credit
CE3010	Transportation Engineering I	3
CE3030	Water Resources Engineering	4
CE3050	Basic Structural Steel Design	4
CE3350	Geotechnical Engineering	4
CE3410	Construction Materials Lab	2
DPE1	Department Elective 1	3
MNS1	Minor Elective 1	3
	TOTAL	23

**SEMESTER VI**

No	Title	Credit
CE3020	Transportation Engg. II	3
CE3040	Environmental Engineering	4
CE3060	Basic Reinforced Concrete Design	4
CE3280	Industrial- Training	2
CE4030	Hydraulic & Environmental Engg Lab	2
DPE2	Department Elective 2	3
FRE1	Free Elective 1	3
MNS2	Minor Elective 2	3
	TOTAL	24

**SEMESTER VII**

No	Title	Credit
CE4010	Estimation & Construction Management	4
CE4030	Hydraulic & Environmental Engg Lab	2
CE4050	Project I	3
CE4070	Viva Voce	2
DPE3	Department Elective 3	3
FRE2	Free Elective 2	3
HSE4	Humanities Elective 4	3
MNS3	Minor Elective 3	3
SSE1	Self Study Elective 1	3
		26

**SEMESTER VIII**

No	Title	Credit
CE4020	Industrial Lecture	1
CE4060	Project II	6
HS3050	Professional Ethics	2
DPE4	Department Elective 4	3
	TOTAL	12