

B.Tech Civil Engineering – Curriculum (2016 onwards)

Semester - I

S.No	Course No	Course Name	L-T-P-C
1.	CS1100	Computational Engineering	2-0-3-4
2.	CY1010	Chemistry – I (Physical & Theoretical)	2-1-0-3
3.	ID1100	Concepts in Engineering & Design	3-0-0-3
4.	MA1010	Mathematics-I	3-1-0-4
5.	ME1120	Engineering Drawing	1-0-3-3
6.	PH1010	Physics-I	2-1-0-3
7.	PH1030	Physics Lab	0-0-3-2
8.	WS1010	Workshop-I	0-0-3-2
Total			24

Semester - II

S.No	Course No	Course Name	L-T-P-C
1.	AM1100	Engineering Mechanics	3-1-0-4
2.	CY1020	Chemistry – II (Organic & Inorganic)	2-1-0-3
3.	CY1030	Chemistry Lab	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	3-1-0-4
7.	ME1100	Thermodynamics	2-1-0-3
8.	PH1020	Physics – II	2-1-0-3
9.	WS1020	Workshop – II	0-0-3-2
Total			25

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 Engineering Materials & Construction	4-0-0-4
5.	EE1100	Basic Electrical Engineering	3-0-0-3
6.	BT1010	Life Sciences	2-0-0-2
7.	MAE1	Mathematics Elective 1	3-0-0-3
8.	HSE1	Humanities Elective 1	3-0-0-3
Total			23

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 Elective-2	3-0-0-3
7.	HSE2	Humanities Elective-2	3-0-0-3
Total			24

SEMESTER - V

S.No	Course No	Course Name	L-T-P-C
1.	CE3010	Transportation Engineering I	3-0-0-3
2.	CE3030	Water Resources Engineering	3-1-0-4
3.	CE3050	Basic Structural Steel Design	3-1-0-4
4.	CE3350	Geotechnical Engineering	3-1-0-4
5	CE3410	Construction Materials Lab	0-0-3-2
6.	FRE1	Free Elective 1	3-0-0-3
Total			20

SEMESTER - VI

S.No	Course No	Course Name	L-T-P-C
1.	CE3020	Transportation Engineering II	3-0-0-3
2.	CE3040	Environmental Engineering	3-1-0-4
3.	CE3060	Basic Reinforced Concrete Design	3-1-0-4
4.	DPE1	Department Elective 1	3-0-0-3
5.	CE3100	Structural Engineering Lab	0-0-3-2
6.	CE4030	Hydraulic & Environmental Engineering Lab	0-0-3-2
7.	FRE2	Free Elective 2	3-0-0-3
8.	CE3280	Industrial Training	0-0-0-2
Total			23

SEMESTER - VII

S.No	Course No	Course Name	L-T-P-C
1.	CE4010	Estimation & Construction Management	3-1-0-4
2.	CE4050	Project I	- - - 3
3.	DPE2	Department Elective 2	3-0-0-3
4.	FRE3	Free Elective 3	3-0-0-3
5.	HSE3	Humanities Elective 3	3-0-0-3
6.	CE4020	Industrial Lecture	1-0-0-1
Total			17

SEMESTER - VIII

S.No	Course No	Course Name	L-T-P-C
1.	DPE3	Department Elective 3	3-0-0-3
2.	CE4060	Project II	- - - 6
3.	HS3050	Professional Ethics	2-0-0-2
4.	FRE4	Free Elective 4	3-0-0-3
Total			14

Total Credits 170