

B.Tech Curriculum – Civil Engineering From Academic Year 2018-19

Semester - I

S.No	Course No	Course Name	Category	L-T-P-C
1.	ES1101/ EA1101	Computational Engineering/ Engineering Drawing	BET/ BES	2-0-3-4 1-0-3-3
2.	CY1101/ CY1202	Physical & Theoretical Chemistry/ Organic & Inorganic Chemistry	SCY	2-1-0-3
3.	ID1101	Concepts in Engineering & Design	BET	1-0-2-2
4.	MA1101	Calculus	SMA	3-1-0-4
5.	PH1101	Introduction to Classical Mechanics	SPH	2-1-0-3
6.	PH1103/CY1204	Physics Lab/Chemistry Lab	SPH/SCY	0-0-3-2
7.	EA1103	Workshop-I	BES	0-0-3-2
8.	HS1101/ HS1103/ HS1105/ HS1107	Language Course (Pass/Fail)	HPF	2-0-0-2
Total				22/21

Semester - II

S.No	Course No	Course Name	Category	L-T-P-C
1.	ES1101/ EA1101	Computational Engineering/ Engineering Drawing	BET/ BES	2-0-3-4 1-0-3-3
2.	CY1101/ CY1202	Physical & Theoretical Chemistry Organic & Inorganic Chemistry	SCY	2-1-0-3
3.	ES2101	Engineering Mechanics	BET	3-1-0-4
4.	MA1202	Differential Equations and Matrices	SMA	3-1-0-4
5.	PH1202	Introduction to Electrodynamics and Quantum Mechanics	SPH	2-1-0-3
6.	PH1103/CY1204	Physics Lab/Chemistry Lab	SPH/SCY	0-0-3-2
7.	EA1202	Workshop-II	BES	0-0-3-2
Total				21/22

Semester - III

S.No	Course No	Course Name	Category	L-T-P-C
1.	ES1201	Basic Electrical Engineering	BET	3-0-0-3
2.	CE21XX	Strength of Materials	PMT	3-1-0-4
3.	ES2103	Ecology and Environment	BET	2-0-0-2
4.	CE21XX	Surveying	PMT	3-0-0-3
5.	CE21XX	Surveying Practical	PML	0-0-3-2
6.	CE21XX	Civil Engineering Materials & Construction	PMT	3-0-0-3
7.	HSE1	Humanities Elective-1	HSS	3-0-0-3
8.	MAE1	Mathematics Elective-1	SMA	3-0-0-3
Total				23

Semester - IV

S.No	Course No	Course Name	Category	L-T-P-C
1.	CE22XX	Structural Analysis	PMT	3-1-0-4
2.	CE22XX	Structural Analysis Lab	PML	0-0-3-2
3.	CE22XX	Geology & Soil Mechanics	PMT	3-1-0-4
4.	CE22XX	Building Drawing	PML	0-0-3-2
5.	CE22XX	Fluid Mechanics & Hydraulics	PMT	3-1-0-4
6.	BS2101	Life Sciences	SLS	2-0-0-2
7.	MAE2	Mathematics Elective-2	SMA	3-0-0-3
Total				21

Semester - V

S.No	Course No	Course Name	Category	L-T-P-C
1.	CE31XX	Basic Structural Steel Design	PMT	3-1-0-4
2.	CE31XX	Water Resources Engineering	PMT	3-1-0-4
3.	CE31XX	Environmental Engineering	PMT	3-1-0-4
4.	CE31XX	Concrete Technology	PMT	3-0-0-3
5.	CE31XX	Hydraulics & Environmental Engineering Lab	PML	0-0-3-2
6.	CE31XX	Soil & Concrete Materials Lab	PML	0-0-3-2
7.	FRE1	Free Elective-1	FRE	3-0-0-3
Total				22

Semester - VI

S.No	Course No	Course Name	Category	L-T-P-C
1.	CE32XX	Basic Reinforced Concrete Design	PMT	3-1-0-4
2.	CE32XX	Geotechnical Engineering	PMT	3-1-0-4
3.	CE32XX	Highway and Pavement Engineering	PMT	3-0-0-3
4.	CE32XX	Transportation Engineering Lab	PML	0-0-3-2
5.	DPE1	Department Elective-1	PMT	3-0-0-3
6.	HSE2	Humanities Elective-2	HSS	3-0-0-3
Summer				
7.	CE32XX	Industrial/Research Internship	PIT	- - - 2
Total				21

Semester - VII

S.No	Course No	Course Name	Category	L-T-P-C
1.	CE41XX	Estimation & Construction Management	PMT	3-1-0-4
2.	CE41XX	Transportation Planning & Traffic Engineering	PMT	3-0-0-3
3.	CE41XX	Functional Design of Buildings	PMT	2-0-0-2
4.	CE41XX	Industrial Lecture	PIL	1-0-0-1
5.	CE41XX	Project Phase I	PMP	- - - 3
6.	DPE2	Department Elective-2	PMT	3-0-0-3
7.	FRE2	Free Elective-2	FRE	3-0-0-3
Total				19

Semester - VIII

S.No	Course No	Course Name	Category	L-T-P-C
1.	DPE3	Department Elective-3	PMT	3-0-0-3
2.	FRE3	Free Elective-3	FRE	3-0-0-3
3.	CE42XX	Project Phase II	PMP	- - - 6
4.	HS4XX	Professional Ethics	HPE	2-0-0-2
5.	HSE3	Humanities Elective-3	HSS	3-0-0-3
Total				17

Total Credits 166