

## B.Tech Civil Engineering Curriculum - 2015 Batch

### Semester - I

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

### Semester - II

S.No	Course No	Course Name	Category	L-T-P-C
1.	AM1100	Engineering Mechanics	BET	3-1-0-4
2.	CY1020	Chemistry – II (Organic & Inorganic)	SCY	2-1-0-3
3.	CY1030	Chemistry Lab	SCY	0-0-3-2
4.	GN1100	Life Skills	BES	2-0-0-2
5.	ID1200	Ecology and Environment	BET	2-0-0-2
6.	MA1020	Mathematics-II	SMA	3-1-0-4
7.	ME1100	Thermodynamics	BET	2-1-0-3
8.	PH1020	Physics – II	SPH	2-1-0-3
9.	WS1020	Workshop – II	BES	0-0-3-2
<b>Total</b>				<b>25</b>

### Semester - III

S.No	Course No	Course Name	Category	L-T-P-C
1.	AM2200	Strength of Materials	PMT	3-1-0-4
2.	CE1020	Functional Design of Buildings	PMT	2-0-0-2
3.	CE2050	Building Drawing	PML	0-0-3-2
4.	CE2330	Civil Engineering Materials & Construction	PMT	4-0-0-4
5.	EE1100	Basic Electrical Engineering	BET	3-0-0-3
6.	BT1010	Life Sciences	SLS	2-0-0-2
7.	MAE1	Mathematics Elective 1	SMA	3-0-0-3
8.	HSE1	Humanities Elective 1	HSS	3-0-0-3
<b>Total</b>				<b>23</b>

### Semester - IV

S.No	Course No	Course Name	Category	L-T-P-C
1.	CE2020	Structural Analysis	PMT	3-1-0-4
2.	CE2040	Hydraulic Engineering	PMT	3-1-0-4
3.	CE2060	Geology and Soil Mechanics	PMT	3-1-0-4
4.	CE2080	Surveying	PMT	3-1-0-4
5.	CE2100	Surveying Practical	PML	0-0-3-2
6.	MAE2	Mathematics Elective-2	SMA	3-0-0-3
7.	HSE2	Humanities Elective-2	HSS	3-0-0-3
<b>Total</b>				<b>24</b>

**SEMESTER - V**

S.No	Course No	Course Name	Category	L-T-P-C
1.	CE3010	Transportation Engineering I	PMT	3-0-0-3
2.	CE3030	Water Resources Engineering	PMT	3-1-0-4
3.	CE3050	Basic Structural Steel Design	PMT	3-1-0-4
4.	CE3350	Geotechnical Engineering	PMT	3-1-0-4
5.	DPE1	Department Elective 1	PMT	3-0-0-3
6.	FRE1	Free Elective 1	FRE	3-0-0-3
				<b>21</b>

**SEMESTER - VI**

S.No	Course No	Course Name	Category	L-T-P-C
1.	CE3020	Transportation Engineering II	PMT	3-0-0-3
2.	CE3040	Environmental Engineering	PMT	3-1-0-4
3.	CE3060	Basic Reinforced Concrete Design	PMT	3-1-0-4
4.	CE4030	Hydraulic and Environmental Engineering Lab	PML	0-0-3-2
5.	CE3100	Structural Engineering Lab	PML	0-0-3-2
6.	FRE2	Free Elective 2	FRE	3-0-0-3
7.	FRE3	Free Elective 3	FRE	3-0-0-3
8.	CE3280	Industrial/ Research Internship	PIT	--- 2
<b>Total</b>				<b>23</b>

**SEMESTER - VII**

S.No	Course No	Course Name	Category	L-T-P-C
1.	CE4010	Estimation & Construction Management	PMT	3-1-0-4
2.	CE3410	Construction Materials Lab	PML	0-0-3-2
4.	CE4050	Project I	PMP	--- 3
6.	DPE2	Department Elective 2	PMT	3-0-0-3
7.	FRE4	Free Elective 4	FRE	3-0-0-3
8.	HSE3	Humanities Elective 3	HSS	3-0-0-3
9	CE4020	Industrial Lecture	PIL	1-0-0-1
<b>Total</b>				<b>19</b>

**SEMESTER - VIII**

S.No	Course No	Course Name	Category	L-T-P-C
1.	DPE3	Department Elective 3	PMT	3-0-0-3
2.	CE4060	Project II	PMP	--- 6
3.	HS3050	Professional Ethics	HPE	2-0-0-2
<b>Total</b>				<b>11</b>

**Total Credits 170**