

CE-Course Structure - (Batch-24)

Semester 1						
S.No	Code	Course	L	T	P	Credits
1	MA 1101	Calculus and ODE	4	1	0	5
2	CE 1101	Earth and Environmental Sciences	2	0	0	2
3	CE 1102	Introduction to Civil Engineering	3	0	0	3
4	CE 1103	Building Materials	2	0	2	3
5	ME 1101	Engineering Drawing	0	0	3	1.5
6	ME 1105	Engineering Mechanics	2	1	0	3
7	HS 1101	English	3	0	0	3
8	HS 1102	Media Project	1	0	2	1.5
9	HS 1103	French – I	0	2	0	0.5
10	ET 1101F	Introduction to Entrepreneurship	0	0	2	1
		Total Credits				23.5
		Total contact hours	17	4	9	30
Semester 2						
S.No	Code	Course	L	T	P	Credits
1	MA 1202	Linear Algebra and complex analysis	3	1	0	4
2	PH 1201	Classical & Quantum mechanics	2	1	2	4
3	CH 1202	Applied Chemistry	2	0	2	3
4	CE 1204	Building drawing through BIM	1	0	2	2
5	CE 1205	Introduction to Programming	2	0	2	3
6	ME 1203	Workshop Practice	0	0	2	1
7	CE 1206	Mechanics of Materials - I	2	0	0	2
8	ET1201F	Entrepreneurship practice	0	0	2	1
9	HS 1202	Professional Ethics	0	1	0	1
10	HS 1206	French - II	0	2	0	0.5
		Total Credits				21.5
		Total contact hours	12	5	12	29

Semester 3						
S.No	Code	Course	L	T	P	Credits
1	MA 2103	Probability and Statistics	3	1	0	4
2	PH 2102	Electromagnetics and Optics	3	1	2	5
3	EC1101	Basic electronics and applications	2	1	2	4
4	CE 2101	Mechanics of Materials-II	2	1	0	3
5	CE 2102	Infrastructure Visualization	0	0	2	1
6	CE 2103	Modern Surveying	3	0	2	4
7	ET 2101F	Lean Startup	0	0	3	1
8	HS 2103	French - III	0	2	0	0.5
9	HS 2102	Principles of Economics	1	1	0	1.5
		Total Credits				24
		Total Contact hours	14	7	11	32

Semester 4						
S. No	Code	Course	L	T	P	Credits
1	MA 2204	Numerical Methods	3	0	2	4
2	CE 2204	Structural Analysis	3	0	2	4
3	CE 2205	Fluid Mechanics & Hydraulic Machines	3	0	2	4
4	CE 2206	Geotechnical Engineering – I	3	0	2	4
5	CE 2207	Concrete Technology	2	0	2	3
6	HS 2201	Design Thinking	1	0	2	2
7	HS 2203	French Language IV	0	2	0	0.5
8	HS 2202	Financial accounting	1	1	0	1.5
		Total Credits				23
		Total contact hours	16	3	12	31

Semester 5

S.No	Code	Course	L	T	P	Credits
1	CE 3111	Transportation Engineering I	3	0	2	4
2	CE 3112	Water Resources Engineering	3	0	0	3
3	CE 3113	Applications of AI and ML in Civil Engineering	2	0	2	3
4	CE 3114	Reinforced Concrete Design	3	0	2	4
5	CE 3115	Geotechnical Engineering II	2	0	2	3
6	CE 3116	Steel Technology	2	0	0	2
7	CE	Engineering elective I	3	0	0	3
8	ZZ	Liberal arts Elective – I	2	0	0	2
9	HS 3111	French V	0	2	0	0.5
		Total Credits				24.5
		Total contact hours	20	2	8	30

Semester 6

S.No	Code	Course	L	T	P	Credits
1	CE 3217	Transportation Engineering II	2	0	2	3
2	CE 3218	Design of Steel Structures	3	1	0	4
3	CE 3219	Construction technology and automation	2	0	0	2
4	CE 3220	Construction Planning and Management with BIM	2	0	2	3
5	CE 3221	Environmental Engineering	3	0	2	4
6	CE	Engineering Elective II	3	0	0	3
7	HS 3201	Introduction to professional development	2	0	0	2
8	ZZ 32xx	Liberal arts Elective – II	2	0	0	2
9	HS 3215	French Language– VI	0	2	0	0.5
		Total Credits				23.5
		Total contact hours	19	3	6	28

Semester 7

S. No	Code	Course	L	T	P	Credits
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1	CE 4121	Introduction to Precast and Pre-engineered Buildings	2	0	0	2
2	CE 4122	Non-Destructive Testing Laboratory	0	0	2	1
3	CE	Engineering Elective III (Env/WRE)	3	0	0	3
4	CE	Engineering Elective IV	3	0	0	3
5	HS	Liberal arts Elective – III	2	0	0	2
6	HS 4111	French– VII	0	2	0	0.5
7	PR 4000	Research project-Phase I	0	0	6	3
		Total Credits				14.5
		Total contact hours	10	2	8	20
Semester 8						
S. No	Code	Course	L	T	P	Credits
1	PR 4000	Final year project-Phase II	0	0	24	12
2	HS 4317	French -VIII	0	2	0	0.5
		Total Credits				12.5
		Total Contact hours	0	2	24	26

Total credits= 168