

B.E. in Civil Engineering:

Semester:1

Code	Subject	Theory(Hrs)	Tutorial(Hrs)	Practical(Hrs)	Credits
3110014	Mathematics-I	3	0	2	5
3110003	Programming for Problem Solving	3	0	2	4
3110011	Physics	3	0	2	4
3110013	Engineering Graphics & Design	2	0	4	4
3110004	Basic Civil Engineering	3	0	2	4

Semester:2

Code	Subject	Theory(Hrs)	Tutorial(Hrs)	Practical(Hrs)	Credits
3110002	English	2	0	2	3
3110006	Basic Mechanical Engineering	3	0	2	4
3110007	Environmental Science	2	2	0	0
3110012	Workshop	0	0	4	2
3110015	Mathematics-II	3	2	0	5
3110005	Basic Electrical Engineering	3	0	2	5
2130003	Mechanics of Solids	4	0	2	6

Semester:3

Code	Subject	Theory(Hrs)	Tutorial(Hrs)	Practical(Hrs)	Credits
2130002	Advanced Engineering Mathematics	3	0	2	54
3130004	Effective Technical Communication	2	0	2	3
3130007	Indian Constitution	2	0	0	0
3130008	Design Engineering - I A	0	0	2	1
3130606	Geotechnical Engineering	4	0	2	5
3130607	Building Construction Technology	4	0	2	5
3130608	Mechanics of Solids	4	0	2	5
3130609	Building and Town Planning	2	0	4	4

Semester:4

Code	Subject	Theory(Hrs)	Tutorial(Hrs)	Practical(Hrs)	Credits
3140004	Essence of Indian Traditional Knowledge	2	0	0	0
3140005	Design Engineering 1 B	0	0	2	1
3140601	Surveying	4	0	2	5
3140603	Structural Analysis-I	4	0	2	5
3140609	Civil Engineering - Societal & Global Impact	2	0	0	2
3140610	Complex Variables and Partial Differential Equations	3	2	0	5
3140611	Fluid Mechanics & Hydraulics	4	0	2	5

Semester:5

Code	Subject	Theory(Hrs)	Tutorial(Hrs)	Practical(Hrs)	Credits
2150001	Design Engineering - II A	0	0	3	3
2150002	Cyber Security (Inst. Elec.)	0	1	2	3
2150003	Disaster Management (Inst. Elec.)	3	0	0	3
2150601	Highway Engineering	3	0	2	5
2150602	Hydrology and Water Resources Engineering	3	1	0	4
2150603	Environmental Engineering	3	0	2	5
2150608	Structural Analysis-II	4	2	0	6
2150609	Soil Mechanics	3	0	2	5
2150610	Advance Structural Analysis	4	2	0	6

Semester:6

Code	Subject	Theory(Hrs)	Tutorial(Hrs)	Practical(Hrs)	Credits
2160602	Applied Fluid Mechanics	3	0	2	5
2160603	Railway, Bridge and Tunnel Engineering	3	1	0	4
2160604	Water and Waste Water Engineering	3	0	2	5
2160607	Elementary Structural Design	4	1	0	5
2160608	Urban Transportation System (Dept Elec-I)	3	1	0	4
2160609	Computational Mechanics (Dept Elec-I)	3	1	0	4
2160001	Design Engineering - II B	0	0	3	3
2160601	Advanced Construction and Equipment	3	1	0	4

Semester:7

Code	Subject	Theory(Hrs)	Tutorial(Hrs)	Practical(Hrs)	Credits
2170607	Design of Reinforced Concrete Structures	4	0	2	6
2170609	Irrigation Engineering	3	2	0	5
2170610	Professional Practices & Valuation	3	2	0	5
2170611	Infrastructure Engineering And Management (Dept Elec-II)	3	1	0	4
2170612	Earthquake Engineering (Dept Elec-II)	3	1	0	4
2170613	Traffic Engineering (Dept Elec-II)	3	1	0	4
2170001	Project	0	0	4	4

Semester:8

Code	Subject	Theory(Hrs)	Tutorial(Hrs)	Practical(Hrs)	Credits
2180601	Design of Hydraulic Structures (Dept Elec-III)	3	1	0	4
2180602	Harbour and Airport Engineering (Dept Elec-III)	3	1	0	4
2180605	Project -II	0	0	8	8
2180607	Repairs and Rehabilitation of Concrete Structures (Dept Elec-III)	3	1	0	4
2180609	Foundation Engineering	3	0	2	5
2180610	Design of Steel Structures	3	2	0	5
2180611	Construction Management	3	2	0	5
2180612	Design of Prestressed Concrete Structures and Bridge (Dept Elec-III)	3	1	0	4
2180613	Glass Facade Engineering (Dept Elec-III)	3	0	1	4