List of Electives during E3 & E4 Semesters

E3 Sem1

Course Code	Name of the course	L	T&PS	P	Credits
CE3501	Estimation & Costing	2	2	0	4
CE3502	Pre-stressed concrete	2	2	0	4
CE3503	Traffic Engineering and Management	2	2	0	4
CE3504	Environmental Science	2	2	0	4
CE3505	Infrastructure Planning and Management	2	2	0	4
CE3506	Modern Construction Materials	2	2	0	4
CE3507	Finite Element Analysis	2	2	0	4
CE3508	Watershed Management	2	2	0	4

E3 Sem2

Course Code	Name of the course	L	T&PS	P	Credits
CE3601	Waste Water Engineering	2	2	0	4
CE3602	Ground Improvement Techniques	2	2	0	4
CE3603	Pavement Materials characterisation	2	2	0	4
CE3604	Railway, Dock & Harbour and Airport Engineering	2	2	0	3
CE3605	Air Pollution and Control	2	2	0	4
CE3606	Advanced Geotechnical Engineering	2	2	0	4
CE3607	Urban Transport Planning	2	2	0	4
CE3608	Construction Economics & Finance	2	2	0	4
CE3609	Managerial Economics and Financial Analysis	2	2	0	4

E4 Sem1

Course Code	Name of the course	L	T&PS	P	Credits
CE4501	Environmental Impact Assessment	2	2	0	3
CE4502	Introduction to Construction Management	2	2	0	4
CE4503	Pavement Analysis and Design	2	2	0	4
CE4504	Advanced Structural Analysis	2	2	0	4
CE4505	Structural Dynamics	2	2	0	4
CE4506	Advanced Concrete Technology	2	2	0	4
CE4507	Ground Water Hydrology	2	2	0	4
CE4508	Remote Sensing and Geographical Information System	2	2	0	4
CE4509	Advanced Foundation Engineering	2	2	0	4
CE4510	Rock Engineering	2	2	0	4
CE4511	Water Resources Systems	2	2	0	4
CE4512	Introduction to Earthquake Engineering	2	2	0	4

E4 Sem2

Course Code	Name of the course	L	T&PS	P	Credits
CE4601	Water Resources Engineering-II	2	2	0	4
CE4602	Construction Planning and Scheduling	2	2	0	4
CE4603	Bridge Engineering	2	2	0	4

CE4604	Sustainable River Development	2	2	0	4
CE4605	Advanced Hydraulics	2	2	0	4
CE4606	Solid and Hazardous Waste Management	2	2	0	4
CE4607	Probability Methods in Civil Engineering	2	2	0	4
CE4608	Advanced Surveying	2	2	0	4
CE4609	Remote Sensing and Geographical Information System	2	2	0	4
CE4610	Introduction to Structural Dynamics and Earthquake Engineering	2	2	0	4
CE4611	Rehabilitation of Structures	2	2	0	4
CE4612	Computational methods in Civil Engineering	2	2	0	4