CE Curriculum

M. Tech Curriculum (CE)							
Course Category	**Course No**	**Course Title.**	**Contact Hours**			**Credit**	**Prerequisites**
			L	**T**	**P**		
Core Courses (12 credits)	CE 501	Surface Water Hydrology	3	0	0	**3**	None
	CE 502	Advanced Hydraulic Engineering	3	0	0	**3**	None
	CE 504	Subsurface Hydrology	3	0	0	**3**	None
	CE 505	Advanced Fluid Mechnanics	3	0	0	**3**	None
Lab Courses (6 credits)	CE 503	Water Resources Engineering Lab	0	0	6	**3**	None
	CE 506	Environmental Engineering Lab	0	0	6	**3**	None
Electives (15 credits)	CE 509	Environmental Impact Assesment	3	0	0	**3**	Environmental engineering
	CE 510	Water Resources System Analysis	3	0	0	**3**	Basic hydrology
	CE 511	Computational methods in Water Resources Engineering	3	0	0	**3**	Numerical analysis
	CE 512	Water Quality and Environment	3	0	0	**3**	Environmental and sanitation engineering
	CE 513	Watershed Management and Remote Sensing Applications	3	0	0	**3**	Basic hydrology
	CE 514	Sediment Dynamics in Fluvial Systems	3	0	0	**3**	Basic hydraulics
	CE 515	River Engineering	3	0	0	**3**	Basic hydraulics
	CE 516	Optimization Methods	3	0	0	**3**	Nil
	CE 517	Environmental Hydrology	3	0	0	**3**	Hydrology and environmental engineering
	CE 518	Computational Methods in Hydraulics and Environmental Engineering Applications	3	0	0	**3**	Numerical analysis
	CE 519	Water Power Engineering	3	0	0	**3**	Basic hydrology
	CE 520	Stochastic Hydrology	3	0	0	**3**	Basic hydrology
	CE 521	Environmental Management of Water Resources	3	0	0	**3**	Basic hydrology and environmental engineering
Electives shall include any other course of appropriate level offered in the Institute and recommended by the DAC							
Seminar & Term paper (3 Credits)	CE 507	Seminar-I	0	0	2	**1**	None
	CE 601	Seminar-II	0	0	4	**2**	None
Project Works (24 credits)	CE 508	Term Project	0	0	4	**2**	None
	CE 602	Major Project-I	0	0	20	**10**	None
	CE 603	Major Project-II	0	0	24	**12**	None