Department of Civil Engineering

	Course of Study							M.Tech. First Semester							
S.No.	Board of Studies	Code Code	Subject Name	Periods/week				Exa	aminat	ion Sch	Total	Credits			
3.NO.		Sub. Code		L	Т	Р	TA	FE	SE	ESE	Pract. ESE	Marks	L+(T+P)/2		
1	Civil Engg.	CI41111(CI)	Advance Fluid Mechanics	3	1	-	20	15	15	100	-	150	4		
2	Civil Engg.	CI40112(CI)	Numerical Methods	3	1	-	20	15	15	100	-	150	4		
3	Civil Engg.	CI41113(CI)	Remote Sensing & Application of GIS in Water Resources	3	1	-	20	15	15	100	-	150	4		
4	Civil Engg.	-	Elective –I	3	1	-	20	15	15	100	-	150	4		
5	Civil Engg.	-	Elective –II	3	1	-	20	15	15	100	-	150	4		
6	Civil Engg.	CI41121(CI)	Irrigation & Hydraulics Laboratory	-	-	3	75	-	-	-	50	125	2		
7	Civil Engg.	Cl41122(Cl)	Remote Sensing & GIS Laboratory	-	-	3	75	1	-	-	50	125	2		
			Total	15	5	6	250	75	75	500	100	1000	24		

	List of Elective Subjects									
S.No.	Electives	Subject Code	Subject Name							
1		CI41131(CI)	Hydrologic Analysis & Design							
2		CI41132(CI)	Water Management							
3	Flooting I	CI41133(CI) Soft Computing & Simulation in Water Reso								
4	Elective I	CI41134(CI) Reservoir Planning & Operations								
5		CI41135(CI)	Climate Change and Water Resources							
6	CI41136(CI)		Surface Water Hydrology							
6		CI41141(CI)	Theory of Seepage & Earthen Dams							
7		CI41142(CI)	Flood & Drought Management							
8	Elective II	CI41143(CI)	Water Power & Dam Engineering							
9		CI41144(CI)	Water Quality & Pollution							
10		CI41145(CI)	Techno Economic Analysis of Water Development							

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	Course of Study							M.Tech. Second Semester							
S.No.	Board of Studies	Cub Cada	Subject Name	Periods/week				Exa	aminat	ion Sch	Total	Credits			
3.NO.		Sub. Code		L	Т	Р	TA	FE	SE	ESE	Pract. ESE	Marks	L+(T+P)/2		
1	Civil Engg.	Cl41211(Cl)	Ground Water Hydrology	3	1	-	20	15	15	100	-	150	4		
2	Civil Engg.	Cl41212(Cl)	Design of Hydraulic Structures	3	1	-	20	15	15	100	-	150	4		
3	Civil Engg.	CI41213(CI)	System Analysis in Water Resources	3	1	-	20	15	15	100	-	150	4		
4	Civil Engg.	-	Elective –III	3	1	-	20	15	15	100	-	150	4		
5	Civil Engg.	-	Elective –IV	3	1	-	20	15	15	100	-	150	4		
6	Civil Engg.	CI41221(CI)	Water Supply Engineering Computational Laboratory	-	-	3	75	-	-	-	50	125	2		
7	Civil Engg.	Cl41222(Cl)	Computer Application Laboratory	-	-	3	75	-	-	-	50	125	2		
			Total	15	5	6	250	75	75	500	100	1000	24		

List of Elective Subjects										
S.No.	.No. Electives Subject Code Subject Name									
1		CI41271(CI)	Construction Planning & Management (Open Elective)							
2		CI41231(CI)	Watershed Conservation & Management							
3	Elective III	CI41232(CI)	River Engineering							
4		CI41233(CI)	Environmental Impact Assessment of Water Resources Project							
5		CI41234(CI)	Water Supply Distribution System and Buried Pipelines							
6		CI41241(CI)	Stochastic Hydrology							
7		CI41242(CI)	Planning, Analysis & Design of Concrete Dams							
8	Elective IV	CI41243(CI)	Water Policies, Laws and Rights							
9		CI41244(CI)	Ground Water Modelling and Management							
10		CI41272(CI)	Reliability Engineering (Open Elective)							

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Course of Study							M.Tech. Third Semester						
S.No.	Board of Studies	Sub. Code	Subject Name	Periods/week				Exa	aminat	ion Sch	Total	Credits	
5.NO.				L	Т	Р	TA	FE	SE	ESE	Pract. ESE	Marks	L+(T+P)/2
1	Civil Engg.	CI41321(CI)	Preliminary work on Dissertation	-	-	24	100	-	-	-	200	300	12
2	Civil Engg.	CI41322(CI)	Comprehensive Viva Voce & Seminar	-	-	-	-	-	-	-	200	200	4
			Total	0	0	24	100	0	0	0	400	500	16

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Course of Study							M.Tech. Fourth Semester							
S.No.	Board of Studies	Sub. Code	Subject Name	Periods/week				Exa	aminat	ion Sch	Total	Credits		
5.NO.				L	Т	Р	TA	FE	SE	ESE	Pract. ESE	Marks	L+(T+P)/2	
1	Civil Engg.	CI41421(CI)	Dissertation	-	-	32	200	-	-	-	300	500	16	
			Total	0	0	32	200	0	0	0	300	500	16	