

## FOURTH YEAR B.TECH

### CIVIL ENGINEERING

SEVENTH SEMESTER				EIGHTH SEMESTER			
Theory		Contact Hrs.		Theory		Contact Hrs.	
Course Code	Subject	L .T .P	CR	Course Code	Subject	L. T. P	CR
BCE 401	Structural Dynamics & Earthquake Engg.	3 - 1 - 0	4	BCE 414	Advanced Structural Design	3 - 0 - 0	3
BCE 402	Environmental Engg.II	3 - 0 - 0	3	BCE 415	Transportation Engg.II	3 - 0 - 0	3
BCE 403	Estimation & Professional Practice	3 - 1 - 0	4	BCE 416	Construction Management	3 - 0 - 0	3
	<b>Electives-I</b>				<b>Electives-III</b>		
BCE 404	Finite Element Method	3 - 1 - 0	1	BCE 417	Composite materials & Structure	3 - 0 - 0	3
BCE 405	Plates and Shells			BCE 418	Pre-stressed Concrete		
BCE 406	Ground Improvement Technique			BCE 419	Ground Water Engg.		
BCE 407	Pavement Design			BCE 420	Remote Sensing and GIS		
BCE 408	Waste Management and Pollution Control			BCE 421	Adv. Foundation Engg.		
	<b>Electives-II</b>						
BCE 409	Soil Dynamics and Earthquake Engineering	3 - 0 - 0	3				
BCE 410	Open Channel Hydraulics						
BCE 411	Water Resources Planning and Management						
BCE 412	Computer Aided Design in Civil Engineering						
BCE 413	Town Planning & Arch.						
	<b>Sessionals</b>				<b>Sessionals</b>		
BCE 491	Structural Engg. Lab.	0 - 0 - 3	2	BCE 495	Comprehensive Viva Voce	0 - 0 - 3	2
BCE 492	Design of Civil Engg. Str. III	0 - 0 - 3	2	BCE 496	Seminar	0 - 0 - 3	2
BCE 493	Practical Training Seminar	0 - 0 - 3	2	BCE 497	Major Project	0 - 0 - 9	6
BCE 494	Minor Project	0 - 0 - 3	2		-	-	-
	<b>Total</b>	<b>15-3-12</b>	<b>26</b>		<b>Total</b>	<b>12-0-15</b>	<b>22</b>