

K.E.Society's
Rajarambapu Institute of Technology, Rajaramnagar
(An Autonomous Institute)
B. Tech. (Civil Engineering)

Final Year B. Tech. Civil Engineering – Sem. VII

Course Code	Course	Teaching Scheme				Scheme	Evaluation Scheme				
		L	T	P	Cr		Max.	Theory (Marks %)		Practical (Marks %)	
								Min. for passing	Max.	Min. for passing	Max.
CE4012	Design of Reinforced Concrete Elements	4	-	-	4	ISE	20	40	-	-	
						UT1	15				
						UT2	15				
						ESE	50				
CE4041	Infrastructure Engineering II	3	-	-	3	ISE	20	40	-	-	
						UT1	15				
						UT2	15				
						ESE	50				
CE4031	Irrigation and Hydraulic Structures	3	-	-	3	ISE	20	40	-	-	
						UT1	15				
						UT2	15				
						ESE	50				
CE4051	Earthquake Engineering	2	1	-	3	ISE	20	40	-	-	
						UT1	15				
						UT2	15				
						ESE	50				
CE4071	Construction Methods and Equipments	3	-	-	3	ISE	20	40	-	-	
						UT1	15				
						UT2	15				
						ESE	50				
CE4091	Estimating and Costing Lab	--	-	2	1	ISE	-	-	-	50	50
CE4111	Construction Contracts and Valuation Lab	--	-	2	1	ISE	-	-	-	50	50
						ESE	-	-	-	50	50
CE4061	Design of Concrete Structures Lab	--	-	4	2	ISE	-	-	-	50	50
						ESE	-	-	-	50	50
CE4232	Employment Enhancement Skills (Software)*	--	--	4	2	ISE	-	-	-	50	50
						ESE	-	-	-	50	50
CE4252	Project Phase I					ISE	-	-	-	50	50
RE0407	Research UROP Phase I					ESE	-	-	-	50	50
ED4001	EDP & Start up Phase I	--	-	2	1						
IIPCE4003	***//One Online course for IIP										
CE4272	Site Experience	--	-	SL	2	ISE	-	-	-	50	50
CE4292	Online Certification Course (QEEE/NPTEL/AICTE)			SL	3	ISE	-	-	-	50	50
TOTAL		15	1	14	28						

Total Contact-Hours/week : 30

Total Credits : 28



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B. Tech. Semester VIII [Option - I]

Course Code	Course Title	Contact Hours			Credits	Evaluation Scheme				
		L	T	P		Scheme	Theory (Marks %)		Practical (Marks %)	
							Max	Min for passing	Max	Min for passing
CE****	Program Elective-I	3	-	-	3	ISE	20	40		
						UT1	15			
						UT2	15			
						ESE	50			
CE****	Program Elective-II	3	-	-	3	ISE	20	40		
						UT1	15			
						UT2	15			
						ESE	50			
OE****	Open Elective-I	3	-	-	3	ISE	20	40		
						UT1	15			
						UT2	15			
						ESE	50			
OE****	Open Elective-II	2	-	-	2	ISE	20	40		
						UT1	15			
						UT2	15			
						ESE	50			
CE****	Program Elective I Laboratory	-	-	2	1	ISE	-		50	50
						ESE	-		50	50
CE4122	Project				12	ISE	-		50	50
						ESE	-		50	50
					24					

Note :

\$\$ Student should select any two elective courses from the given list.

List of Program Electives (with Capstone project) for VIIIth Semester



• SS List of Program Elective Courses

Course Code	Elective
	Program Elective I - PE1
CE4171	Advanced Structural Analysis
CE4271	Advanced Engineering Geology
CE4181	Finite Element Analysis
CE4201	Advanced Structural Design
CE4151	Solid and Hazardous Waste management
CE4241	Geo-informatics for Engineering
CE4311	Advanced Foundation Engineering
CE4461	Industrial Waste Treatment
	Program Elective I – PE2
CE4211	Advanced Construction Materials
CE4231	Project Appraisal
CE4251	Construction Safety
CE4361	Fundamentals of Urban Planning
CE4381	Optimization Techniques
CE4401	Disaster Management
CE4421	Building Services and Maintenance
CE4291	Green Technologies in Civil Engineering
CE4281	Air Pollution and Control
CE4191	Design of Flyovers and bridges
CE4501	Probability and Statistics

Course Code	Elective
	PE1 - Laboratory Courses
CE4521	Advanced Structural Analysis Lab
CE4541	Advanced Engineering Geology Lab
CE4561	Finite Element Analysis Lab
CE4581	Advanced Structural Design Lab
CE4601	Solid and Hazardous Waste management Lab
CE4621	Industrial Waste Treatment Lab
CE4641	Advanced Foundation Engineering Lab
CE4661	Geo-informatics for Engineering Lab