

DEPARTMENT OF CIVIL ENGINEERING

COURSE OUTCOMES SUMMARY SHEET

7TH SEM

On successful completion of this course, students should be able to

Course	COURSE OUTCOMES	
C401. Structure Engineering	C401.1	Analyze and design eccentric and moment connections in steel structures. (Level-4,6)
	C401.2	Analyze and design Plate Girder. (Level-4,6)
	C401.3	Analyze and design column bases and gantry girders. (Level-4,6)
	C401.4	Analyze and design members subjected to combined forces (Level-4,6)
	C401.5	Analyze and design roof trusses under different loads. (Level-4,6)

On successful completion of this course, students should be able to

Course	COURSE OUTCOMES	
C402. Design of Hydraulic Structures	C402.1	Understand Types and Design of Gravity Dams (level 1, 6)
	C402.2	Analyze and Design Spillways and Energy Dissipaters (Level 4, 6)
	C402.3	Analyze the Types, Components, and Design of Diversion Head works(level 4, 6)
	C402.4	Evaluate the necessity, location, and Design of regulation works (level 5,6)
	C402.5	Design different types of cross drainage works (level 6)

On successful completion of this course, students should be able to

Course	COURSE OUTCOMES	
C403. Foundation Engineering	C403.1	Evaluate and design of shallow foundation.(level 6,5)
	C403.2	Analyze settlement of foundation with field test.(level 4)
	C403.3	Analyze consolidation of soil and shear strength. (level 4)
	C403.4	Evaluate and design of pile foundation. (level 6,5)
	C403.5	Distinguish the underground structure and tunnel. (level 4)

On successful completion of this course, students should be able to

Course	COURSE OUTCOMES	
C404. Construction equipment & techniques	C404.1	Describe various construction equipments. (Level-2)
	C404.2	Explain the equipment for production of concrete. (Level-2)
	C404.3	Discuss various sub structure construction techniques. (Level-2)
	C404.4	Describe super structure construction techniques. (Level-2)
	C404.5	Discuss Repair Construction. (Level-2)

On successful completion of this course, students should be able to

Course	COURSE OUTCOMES	
C405. Environmental Management & Legislation	C405.1	Develop an understanding about various International and National Protocols. (Level-5)
	C405.2	Apply the ISO procedures. (Level-3)
	C405.3	Apply the knowledge gained for green procurement. (Level-3)
	C405.4	Efficiently use the environmental management instruments. (Level-3)
	C405.5	Apply concept of sustainable development for engineering design and decision-making. (Level-3)



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Course	COURSE OUTCOMES	
C406. Advance Geotechnical Engg.	C406.1	Design of shallow foundation.(level 5)
	C406.2	Analyze the soil under permeability test.(level 4)
	C406.3	Analyze the soil using bearing ratio and penetration test. (level 4)
	C406.4	Design and Drawing of pile foundation. (level 5)
	C406.5	Design and Drawing of well foundation. (level 5)

On successful completion of this course, students should be able to

Course	COURSE OUTCOMES	
C407. Advance Environmental Engg. Lab	C313.1	Determine the fluoride and nitrates content in sewage / industrial waste.(Level -5)
	C313.2	Determination of phosphates in sewage/ industrial waste.(Level -5)
	C313.3	Determine the iron content in various water/wastewater samples.(Level -5)
	C313.4	Study & Determine the MPN value .(Level -1,5)
	C313.5	Study of air quality and air quality samples..(Level -2)



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Course	COURSE OUTCOMES	
C 408 Project Phase I	C408.1	Recognize the need and identify the problem related to industry and society through literature and environment focusing on practical conditions. (Level-1)
	C408.2	Develop and select a solution to identified problem in a cost effective manner. (level-3, 5)
	C408.3	function in a team and adapt as per requirement to achieve desired goal with ethical practices (level-4, 6)
	C408.4	Apply principles to solve problems and interpret the result. (level-3, 5,)
	C408.5	Relate the impact of engineering solutions in society and classify modern tools .(level-2,3)
	C408.6	compile and describe their work through seminars and written methods using effective communication. (level-1,5)