

DEPARTMENT OF CIVIL ENGINEERING

COURSE OUTCOMES SUMMARY SHEET

8TH SEM

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

Course	COURSE OUTCOMES	
C411. Structure Engineering Design- IV	C411.1	Analyze and design continuous beam, building frames, strap beam and raft footing. (Level-4,5)
	C411.2	Analyze and design cantilever and counter fort retaining wall. (Level-4,5)
	C411.3	Analyze and design water tank and its staging. (Level-4,5)
	C411.4	Analyze and design bridges as per the BIS code of practice. (Level-4,5)
	C411.5	Analyze pre stressed concretes beam for flexure and losses. (Level-4)

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Course	COURSE OUTCOMES	
C412 . Construction Management	C412 .1	Identify owner's perspective/perspective of project participants towards construction projects. (Level-1)
	C412 .2	Identify the structure of project participant's organization and effect of project risks. (Level-1)
	C412 .3	Design methodology feasibility aspect and value engineering in design and construction. (Level-4)
	C412 .4	Discuss the importance of labour productivity, material and equipment utilization. (Level-2)
	C412 .5	Differentiate the approaches of cost estimation of construction project. (Level-4)



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Course	COURSE OUTCOMES	
C413. Air Pollution & Control Measure	C413.1	Discuss about the basics of air pollution and meteorological parameter in atmospheric conditions. (Level-2)
	C413.2	Discuss about the sources of air pollution their effects and control techniques. (Level-2)
	C413.3	Describe Air pollution monitoring. (Level-2)
	C413.4	Discuss mechanism of air pollution and its effects. (Level-2)
	C413.5	Demonstrate the understanding of air quality criteria and emission standards, air pollution act and global effects of air pollution. (Level-3)

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Course	COURSE OUTCOMES	
C414. Structure Engineering Lab	C414.1	Able to prepare BIM for various elements of steel structure. (Level-4)
	C414.2	Able to prepare BIM for various joints used in steel structure. (Level-4)
	C414.3	Able to prepare BIM for steel plate Girder (welded/Bolted). ((Level-4)
	C414.4	Able to prepare BIM for steel Industrial shed/Railway Bridge. ((Level-4)
	C414.5	Able to prepare BIM for Fabrication/Erection. ((Level-4)

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Course	COURSE OUTCOMES	
C415. Computer Application in Civil Engineering Lab	C415.1	Develop a C++ program for friction factor in pipe. (Level-5)
	C415.2	Create a C++ program for Network analysis & Determine Critical path. (Level-5)
	C415.3	Develop a C++ program for Design of simply supported beam (Level-5)
	C415.4	Construct a C++ program for bearing capacity of soil. (Level-5)
	C415.5	Derive a C++ program for friction factor in pipe. (Level-5)



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Course	COURSE OUTCOMES	
C 416 Project Phase II	C416.1	Recognize the need and identify the problem related to industry and society through literature and environment focusing on practical conditions. (Level-1)
	C416.2	Develop and select a solution to identified problem in a cost effective manner. (level-3, 5)
	C416.3	function in a team and adapt as per requirement to achieve desired goal with ethical practices (level-4, 6)
	C416.4	Apply principles to solve problems and interpret the result. (level-3, 5,)
	C416.5	Relate the impact of engineering solutions in society and classify modern tools .(level-2,3)
	C416.6	compile and describe their work through seminars and written methods using effective communication. (level-1,5)