

DEPARTMENT OF CIVIL ENGINEERING
B Tech. 7th SEM
COURSE OUTCOMES

***COURSE OUTCOMES OF STRUCTURAL
ENGINEERING DESIGN-III***

CO1. Learner is able to analyse and design eccentric and moment connections in steel structures.

CO2. Learner is able to analyse and design Plate Girder.

CO3. Learner is able to analyse and design column bases and gantry girders

CO4. Learner is able to analyse and design members subjected to combined forces.

CO5. Learner is able to analyse and design roof trusses under different loads.

***COURSE OUTCOMES DESIGN OF
HYDRAULIC STRUCTURES***

CO1. Students will be able to design the dams.

CO2. Students will be able to design the spillways.

CO3. Students will be able to design the weir and barrage.

CO4. Students will be able to design canal falls.

CO5. Students will be able to design different types of cross drainage works.

***COURSE OUTCOMES OF FOUNDATION
ENGINEERING***

CO1. Students should be able to evaluate and design of shallow foundation.

CO2. Students should be able to analyze settlement of foundation with field test.

CO3. Students should be able to analyze consolidation of soil and shear strength.

CO4. Students should be able to evaluate and design of pile foundation.

CO5. Students should be able to explore the underground structure and tunnel.

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COURSE OUTCOMES

COURSE OUTCOMES OF CONSTRUCTION EQUIPMENT AND TECHNIQUES

- CO1. Understand various construction equipment
- CO2. Explain the equipment for production of concrete
- CO3. Apply various sub structure construction techniques
- CO4. Understand super structure construction techniques
- CO5. Understand Repair Construction

COURSE OUTCOMES OF DISASTER MANAGEMENT

- CO1. Students are expected to understand disaster and its nature.
- CO2. Students are expected to understand impact and hazard assessment.
- CO3. Students are expected to understand disaster preparedness and mitigation.
- CO4. Students are expected to understand use of construction technology for disaster management.
- CO5. Students are expected to identify short term and long term relief measures.

COURSE OUTCOMES OF ADVANCED GEOTECHNICAL ENGINEERING LAB.

- CO1 Design and drawing of different types of foundations.
- CO2 Determine engineering properties of soil
- CO3 Evaluate Compressive behavior of soils
- CO4 Student should be able to analyze bearing capacity and settlements of foundation with field test.
- CO5 Student should be able to evaluate and design of pile foundation.

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COURSE OUTCOMES OF ADVANCED ENVIRONMENTAL ENGINEERING LAB

CO1. Students will able to determine M.P.N.

CO2. Students will able to attain knowledge regarding collection and determination of particulate matter using air sample.

CO3. Attain knowledge regarding study of air quality and air sample for metals.

CO4. Study regarding determination of fluoride content in sewage.

CO5. Study and report of waste water originated from various industries.

CO6. Determination of waste water quality parameters.

COURSE OUTCOMES OF PROJECT (PHASE I)

CO1. Analyze the problem, formulation and solution of the selected project .

CO2. Develop solutions for contemporary problems using modern tools for sustainable development.

CO3. Demonstrate ethical and professional sustainability while working in a team and communicate effectively for the benefit of the society.

CO4. Understand the engineering, finance and management principles.

CO5. Learner will be able to understand modern changes in engineering techniques.

COURSE OUTCOMES OF INDUSTRIAL TRAINING

CO1. For his/ her organization of internship learner is able to assess its strengths, weakness, opportunities and threats (SWOT)

CO2. Learner is able to determine the challenges and future potential for his /her internship organisation in particular and the sector in general.

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CO3.Learner is able to test the theoretical learning in practical situations by accomplishing the task assigned during the internship project.

CO4.Learner is able to apply various soft skills such as time management, positive attitude and communication skills during performance of the task assigned in internship organization.

CO5.Learner is able to analyze the functioning of internship organization and recommend changes for improvement in processes.