



Civil Engineering

Course Outcomes

Course Name:-	Advanced Surveying
Course Code:-	301007
At the end of course, students will be able to-	
CO1:-	Able to carry out field geodetic survey and apply triangulation adjustment with modern equipment's
CO2:-	perform hydrographic survey and get solution for problems related to it
CO3:-	Learn Remote sensing and GIS and its application in civil engineering FIELDS
CO4:-	Able to determine MPV and distribution of errors
CO5:-	Able to study aerial photography and applications in civil engineering
CO6:-	Able to do Geodetic trigonometric levelling survey and apply corrections
Course Name:-	Structural Design-II
Course Code:-	301010
At the end of course, students will be able to-	
CO1:-	The students would be able to understand working stress method and limit state method and distinguish different design philosophies of design of R.C. structures and analyze the limitations and advantages of each.
CO2:-	The students would be study design parameters in limit state method and to apply different limit states for singly reinforced and doubly reinforced, balanced beam sections and to design one way slab.
CO3:-	The students would be able to design of two way slab and staircase.
CO4:-	The students would be able to design flexural member includes various beam.
CO5:-	Able to design flexural members for shear, bond, torsion and design continuous beam with conc
CO6:-	The students should be able to design column and column footing.
Course Name:-	Environmental Engineering-I
Course Code:-	301011
At the end of course, students will be able to-	
CO1:-	Ability to conduct detailed analysis of noise & air pollution.
CO2:-	Ability to calculate the demand and its estimation.
CO3:-	Ability to calculate the characteristics of water demand and its estimation.
CO4:-	Ability to understand the layout of water treatment plant
CO5:-	Ability to design the units of water treatment plant.
CO6:-	Ability to understand the rainwater harvesting
Course Name:-	Project Management and Engineering Economics
Course Code:-	301008
At the end of course, students will be able to-	
CO1:-	Able to explain the importance, objective, and functions of project management
CO2:-	Able to analyze the network for planning and scheduling of project
CO3:-	Able to apply project monitoring, resource allocation using project management software's
CO4:-	Able to apply a engineering economics in construction industry
CO5:-	Able to apply concept of material management and implement safety norms
CO6:-	Able to evaluate project appraisal and prepare project feasibility report and Detailed Project report
Course Name:-	Foundation Engineering
Course Code:-	301009
At the end of course, students will be able to-	
CO1:-	Ability to Understand the importance of soil investigation and determine various soil Properties
CO2:-	Ability to calculate the allowable bearing capacity of Shallow foundations and soil conditions
CO3:-	Ability to Understand the settlement behaviour of different type of soil
CO4:-	Ability to Evaluate Load caring capacity of deep foundation
CO5:-	Able to understand sheet piles and characterization of BC soil, remedial measures to be cultivate

CO6:-	Able to explain application of geo-synthetics and different earthquake aspects
Course Name:-	Seminar & Technical Communication
Course Code:-	301012
At the end of course, students will be able to-	
CO1:-	Perform close and critical readings of the literature of topic of interest
CO2:-	Evaluate, credit, and synthesize sources of the selected seminar topic
CO3:-	Identify the disciplinary context for different kinds of writing, including both informal writing (like scientific note taking) and formal writing (like report writing)
CO4:-	Draft a report consistent with expectations of the discipline, including an appropriate organization, style, voice and tone
CO5:-	Perform critical readings of their own writing and proofreading
CO6:-	Demonstrate an understanding of the unique demands of oral presentation and ability to follow discussions and oral arguments

