



DEPARTMENT OF CIVIL ENGINEERING

COURSE OUTCOME

SEMESTER:- SIXTH

COURSE TITLE :- MANAGEMENT

COURSE CODE:- (315301)

CO1	Use relevant management skills to handle work situation
CO2	Apply appropriate techniques of product, operations and project management
CO3	Use comprehensive tools of recent management practices
CO4	Plan suitable marketing strategy for a product / service
CO5	Utilize supply chain and human resource management techniques for effective management

COURSE TITLE :- CONTRACTS AND BILLING

COURSE CODE:- (316307)

CO1	Implement the Public Works Department procedure for initiating the works.
CO2	Draft the contract document for given civil engineering works.
CO3	Prepare the tender documents for the given civil engineering work.
CO4	Use the prescribed formats to pay the bill of the executed work
CO5	Prepare the detailed specification for various items of construction work.

COURSE TITLE :- DESIGN OF RCC AND STEEL STRUCTURES

COURSE CODE:- (316308)

CO1	Explain the given criteria in relation to RCC and steel structures.
CO2	Design the reinforced concrete beams for given condition as per IS codes
CO3	Design the given type of slab for the given edge condition.
CO4	Design of axially loaded short columns and footings.
CO5	Design the connections for the given steel joints.

COURSE TITLE :- MAINTENANCE AND REPAIRS OF STRUCTURES

COURSE CODE:- (316309)

CO1	Justify the need of repairs and maintenance for the given structure.
CO2	Undertake the Non-Destructive Testing (NDT) to carry structural audit of structures.
CO3	Propose the relevant materials for undertaking the repair of given structures.
CO4	Apply the relevant method of repair for the masonry work.
CO5	Suggest the relevant method of repair to regain the strength of the given RCC component.

COURSE TITLE :- CAPSTONE PROJECT

COURSE CODE:- (316004)

CO1	Elaborate the identified field problem from the perspective of project work at institute.
CO2	Conduct feasibility & viability analysis (using data collection, experiments, Simulation , Coding) to validate required resources, cost, support of the project work.
CO3	Apply the acquired knowledge and skills in providing solutions to the real field/industrial problems.
CO4	Present Project and its output/ findings / achievements alongwith its exhibits.



COURSE TITLE :- SOLID WASTE MANAGEMENT

COURSE CODE:- (316312)

CO1 Identify the different types of solid wastes.

CO2 Select the relevant methods of storage, collection, segregation and transportation for given solid wastes.

CO3 Execute an action plan for disposal of solid wastes.

CO4 Implement the relevant method for disposal of Bio-medical, Industrial and E-waste.

CO5 Select the relevant laws related to solid waste management.