

## COURSE OUTCOMES

REGULATION: 2013

S.NO	COURSE NAME	COURSE OUT COMES	
1	C101 - TECHNICAL ENGLISH-I (HS6151)	C101.1	Understand the basic grammatical functions and vocabulary.
		C101.2	Speak and write clearly and communicate using appropriate communicative strategies
		C101.3	Write Informal letters /blog/email with a wide range of vocabulary
		C101.4	listen/view and comprehend different spoken discourses and passages in different accents.
		C101.5	Read and write different genres of texts.
2	C102 - MATHEMATICS - I (MA6151)	C102.1	Understand the Concepts of Diagonalization of matrices.
		C102.2	Apply simple techniques for testing the convergence of sequences and series
		C102.3	Use the differentiation concepts to differentiate functions
		C102.4	Apply partial differentiation in functions of several variables.
		C102.5	Apply integration concepts to compute multiple integrals.
3	C103 - ENGINEERING PHYSICS-I (PH6151)	C103.1	Able to classify various crystal structures and its parameters.
		C103.2	Explain the basics of properties of matter, the thermal properties of materials like thermal conductivity and its application.
		C103.3	Acquire knowledge on the concepts of quantum theory and its application in tunneling microscopes.
		C103.4	Understands the basic concepts of Acoustics in buildings and the production of ultrasonic waves and its application in NDT and medical field.
		C103.5	Understands the concept of photonics and its usage in the production of different types of laser and the principle of fibre optics with its application in various fields.
4	C104- ENGINEERING CHEMISTRY-I (CY6151)	C104.1	Understand the types of water and water treatment techniques.
		C104.2	Utilize the various adsorbent in industries.
		C104.3	Classify the types of alloys and understand the component present in the alloys.
		C104.4	Explain the types of fuels and manufacturing of secondary fuels.
		C104.5	Illustrate the types of energy resources.
5	6151)	C105.1	Know the organization of digital Computer

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5	C105- COMPUTER PROGRAMMING (GE6152)	C105.2	Design C Programs for problems.
		C105.3	Write and execute C programs using Arrays and Strings for simple applications
		C105.4	Usage of Pointers and Function in C programming
		C105.5	Design Programming using Structures and Union
6	C106 - ENGINEERING GRAPHICS (GE6152)	C106.1	Discuss about conics and orthographic views of engineering components
		C106.2	Draw the projection of points, lines and planes
		C106.3	Classify solids and projection of solids at different positions
		C106.4	Show sectioned view of solids and development of surface
		C106.5	Draw isometric projection and perspective views of an object/solid
7	C107 - COMPUTER PRACTICES LABORATORY ( GE6161 )	C107.1	Know about Data Manipulation in MS Office Packages
		C107.2	Apply good programming design methods for program development using Decision making and looping statements.
		C107.3	Design and implement C programs using strings and arrays.
		C107.4	Design and implement C programs using functions and string functions.
		C107.5	Develop recursive functions and develop programs using structures and unions.
8	C108 - ENGINEERING PRACTICES LABORATORY (GE6162)	C108.1	Apply the knowledge of pipeline connections to household fittings and industrial buildings.
		C108.2	Prepare the different joints in roofs, doors, windows and furniture.
		C108.3	Perform step turning operation in a lathe.
		C108.4	Perform the various welding processes and know about its applications.
		C108.5	Produce a funnel using sheet metal.
9	C109 - PHYSICS AND CHEMISTRY LABORATORY-I ( GE6163)	C109.1	Understand the concept of Laser and its diffraction for different usage
		C109.2	Able to find the velocity of ultrasonic waves in different liquid.
		C109.3	Apply principle of diffraction to determine the wavelength of visible spectrum.
		C109.4	Understand the various parameter affecting the thermal conductivity of poor conductor
		C109.5	Analyze the various modulus of elasticity of different types of materials.
10	TECHNICAL ENGLISH (HS6251)	C110.1	Understand basic grammar and know to engage in conversation.
		C110.2	Write and produce different types of technical write ups.
		C110.3	Read and write different genres of technical texts.

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	C110 - TECH II ( )	C110.4	Create Job applications and Resume / E - Resume
		C110.5	Express opinions and initiate a discussion using appropriate communicative strategies
11	C111 - MATHEMATICS – II (MA6251)	C111.1	Understand the concepts of Vector Calculus and their applications.
		C111.2	Interpret the Concepts of analytic functions and Conformal mapping.
		C111.3	Understand the integration concepts on Complex integration
		C111.4	Demonstrate the main concepts on Laplace transformations and their applications
		C111.5	Use various techniques in solving differential equations.
12	C112 - ENGINEERING PHYSICS-II (PH6251)	C112.1	Gain knowledge on the conducting materials and its properties
		C112.2	Acquire knowledge on the concepts of carrier concentration in intrinsic and extrinsic semiconductors and its determination using Hall effect.
		C112.3	Classify the different types of magnetic materials and know the properties of superconductors.
		C112.4	Understands the basic concepts of dielectric materials and its usage in capacitors and transformers.
		C112.5	Able to classify the different modern engineering materials and its application in different fields.
13	C113 - ENGINEERING CHEMISTRY-II (CY6251)	C113.1	Illustrate the types of electrochemical cell..
		C113.2	Summarize the types of corrosion and corrosion prevention methods.
		C113.3	Explain the types of fuels and manufacturing of secondary fuels.
		C113.4	Classify the types of alloys and understand the component present in the alloys.
		C113.5	Analyze the sample using various spectroscopy.
14	C114 - BASIC ELECTRICAL AND ELECTRONICS ENGINEERING (GE6252)	C114.1	Applying the fundamentals of electric circuits and electrical measuring instruments
		C114.2	Understanding the concepts of electrical machines
		C114.3	Understand the concepts of various electronic devices
		C114.4	Understand the concepts of various Digital Electronics
		C114.5	Acquire knowledge on basic concepts of Communication Engineering
15	15 - ENGINEERING MECHANICS (GE6253)	C115.1	Illustrate the vectorial and scalar representation of forces and moments.
		C115.2	Analyse the rigid body in equilibrium.
		C115.3	Evaluate the properties of surfaces and solids.
		C115.4	Calculate dynamic forces exerted in rigid body.

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	C1 ME	C115.5	Determine the friction and the effects by the laws of friction.
16	C116 - COMPUTER AIDED DRAFTING AND MODELLING LABORATORY (GE6261)	C116.1	Sketch simple figures with title block using AutoCAD software commands.
		C116.2	Sketch curves like parabola, spiral and involute of square & circle and draw the orthographic projection of simple solids.
		C116.3	Prepare orthographic projection of simple machine parts and draw a plan of residential building.
		C116.4	Sketch simple steel truss and sectional views of simple solids.
		C116.5	Prepare 2D multi view drawing from 3D model.
17	C117 - PHYSICS AND CHEMISTRY LABORATORY- II (GE6262)	C117.1	Analyze the various modulus of elasticity of different types of materials.
		C117.2	Understand the various parameters affecting the band gap of semiconductor.
		C117.3	Apply principle of diffraction to determine the parameters of optical prism.
		C117.4	Analyze the co-efficient of viscosity of different liquids.
		C117.5	Apply the basic principles of optics to determine the thickness of thin materials.
18	C201- TRANSFORMS AND PARTIAL DIFFERENTIAL EQUATIONS (MA6351)	C201.1	Demonstrate the effective mathematical tools used for Solving partial differential equations
		C201.2	Illustrate the Fourier series which is central to many applications in engineering.
		C201.3	Apply the applications of partial differential equations for boundary value problems using Fourier series analysis.
		C201.4	Acquire Fourier transform techniques used in wide variety of situations.
		C201.5	Explain Z transform techniques for discrete time systems and solve difference equations using Z transform.
19	C202 - ENVIRONMENTAL SCIENCE AND ENGINEERING (GE6351)	C202.1	Define the scope and importance of environment ecosystem and biodiversity
		C202.2	Explain about the causes and effects of environmental pollution
		C202.3	Describe about the properties of natural sources
		C202.4	Illustrate the social issues and environment problems
		C202.5	State about human population and variation among nations
20	C203 - ENGINEERING GEOLOGY (CE6301)	C203.1	Illustrate the different weathering process, geology formations, classification and morphology of rocks.
		C203.2	Explain the properties of minerals.
		C203.3	Explain the principles that govern the origin of igneous, sedimentary and metamorphic rocks.
		C203.4	Describe joints, faults and fold using correct technical terminology

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	C203	C203.5	Apply geological knowledge in projects such as dams, tunnels, bridges, roads and airport etc.,
21	C204 - MECHANICS OF SOLIDS (CE6302)	C204.1	Estimate the stress and strain due to external forces and temperature changes for solid bodies.
		C204.2	Calculate the bending and shear stresses for beams subjected to various loads.
		C204.3	Determine the deflection of beams by various methods
		C204.4	Estimate the dimension of the shaft and maximum energy stored in springs.
		C204.5	Predict the forces in the members of truss.
22	C205 - MECHANICS OF FLUIDS (CE6303)	C205.1	Explain the basic properties of fluids.
		C205.2	Describe the properties of fluid under motion.
		C205.3	Estimate the loss of head occurs in the pipe flow.
		C205.4	Estimate the various boundary layer thickness.
		C205.5	Set up a relation among various parameters based on dimensional analysis and model study
23	C206 - SURVEYING-I (CE6304)	C206.1	Explain the basic principles of chain surveying
		C206.2	Compute the included angles using compass surveying
		C206.3	Discuss the working principles of different leveling instruments
		C206.4	Use leveling instrument to plot the contour mapping
		C206.5	Compute the horizontal and vertical angles using theodolite surveying
24	C207 - SURVEYING PRACTICAL-I (CE6311)	C207.1	Students would have acquired practical knowledge on handling basic survey instruments including Theodolite, Tacheometry
		C207.2	To determine the height of various objects using theodolite
		C207.3	Students would have acquired practical knowledge on handling Total station
		C207.4	To gain knowledge about the cutting and filling of embankments
		C207.5	Acquired practical knowledge on handling basic survey instruments
		C207.6	Acquired practical knowledge on development of contour map
25	C208 - COMPUTER AIDED BUILDING DRAWING (CE6312)	C208.1	To introduce the students to draft the plan, elevation and sectional views of building
		C208.2	To draft the plan, elevation and sectional views of the industrial structures using computer softwares.
		C208.3	To draft the plan, elevation and sectional views of the framed building using computer softwares.
		C208.4	To draft the plan, elevation and sectional views of the buildings using computer softwares.

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26	C209 - NUMERICAL METHODS (MA6459)	C209.1	To introduce the basic concepts of solving algebraic and transcendental equations.
		C209.2	To introduce the numerical techniques of interpolation in various intervals in real life situations
		C209.3	To acquaint the student with understanding of numerical techniques of differentiation and integration which plays an important role in engineering and technology disciplines
		C209.4	To acquaint the knowledge of various techniques and methods of solving ordinary differential equations.
		C209.5	To understand the knowledge of various techniques and methods of solving various types of partial differential equations.
27	C210 - CONSTRUCTION MATERIALS (CE6401)	C210.1	Will be able to understand the importance of geological knowledge such as earth, earthquake, volcanism and the action of various geological agencies
		C210.2	Will get basics knowledge on properties of minerals.
		C210.3	Gain knowledge about types of rocks, their distribution and uses
		C210.4	Will understand the methods of study on geological structure
		C210.5	Will understand the application of geological investigation in projects such as dams, tunnels, bridges, roads, airport and harbor
28	C211 - STRENGTH OF MATERIALS (CE6402)	C211.1	Determine the strain energy and compute the deflection of determinate beams, frames and trusses using energy principles.
		C211.2	Analyze propped cantilever, fixed beams and continuous beams using theorem of three moment equation for external loadings and support settlements.
		C211.3	Find the load carrying capacity of columns and stresses induced in columns and cylinders
		C211.4	Determine principal stresses and planes for an element in three dimensional state of stress and study various theories of failure
		C211.5	Determine the stresses due to Unsymmetrical bending of beams, locate the shear center, and find the stresses in curved beams.
29	C212 - APPLIED HYDRAULIC ENGINEERING (CE6403)	C212.1	Apply their knowledge of fluid mechanics in addressing problems in open channels
		C212.2	Able to identify a effective section for flow in different cross sections
		C212.3	To solve problems in uniform, gradually and rapidly varied flows in steady state conditions
		C212.4	Understand the principles, working and application of turbines
		C212.5	Understand the principles, working and application of pumps
30	3 - SURVEYING-II (CE6404)	C213.1	Able to acquire knowledge control survey methodology
		C213.2	Able to acquire knowledge in survey adjustment
		C213.3	To acquire knowledge in total station surveying
		C213.4	Understand various GPS surveying methods and processing techniques used in GPS

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	C21	C213.5	Understand the advantages of electronic surveying over conventional surveying methods
31	C214 - SOIL MECHANICS (CE6405)	C214.1	classify the soil and assess the engineering properties, based on index properties
		C214.2	Understand the stress concepts in soils
		C214.3	Understand and identify the settlement in soils
		C214.4	Determine the shear strength of soil
		C214.5	Analyze both finite and infinite slopes.
32	C215 - STRENGTH OF MATERIALS LABORATORY (CE6411)	C215.1	The students will have the required knowledge in the area of testing of materials and components of structural elements experimentally.
		C215.2	To expose the students to the testing of different materials under the action of various forces
		C215.3	To expose the students to the testing of test on cement
		C215.4	Determine the Compression test on wood
		C215.5	Determine the tension test on mild steel rod
33	C216 - HYDRAULIC ENGINEERING LABORATORY (CE6412)	C216.1	The students will be able to measure flow in pipes and determine frictional losses.
		C216.2	The students will be able to develop characteristics of pumps and turbines
		C216.3	Able to verify the principles of characteristics of gear pump
		C216.4	Able to verify the principles of characteristics of centrifugal pumps
34	C217 - SURVEYING PRACTICAL-II (CE6413)	C217.1	Determine the heights, distances, and gradient using trigonometric methods
		C217.2	Calculate the height of an inaccessible point by system of tacheometry
		C217.3	Compute the Reduced Levels Using Various Methods Of Levelling
		C217.4	measure horizontal angles and vertical angles by using theodolite
		C217.5	Prepare LS ,CS for the road works
35	C301 - STRUCTURAL ANALYSIS I (CE6501)	C301.1	Determine the forces in the members of the statically indeterminate structures.
		C301.2	Sketch the influence line diagram for static structures due to moving loads.
		C301.3	Determine the thrust of the various structural forms of arches.
		C301.4	Calculate the moment of statically indeterminate structures using slope deflection methods.
		C301.5	Compute the moment of statically indeterminate structures using moment distribution methods.
36	2 - FOUNDATION ENGINEERING (CE6502)	C302.1	Explain the soil exploration methods.
		C302.2	Calculate the Bearing Capacity and settlement of the soils.
		C302.3	Compute the Proportioning of Shallow Foundation.
		C302.4	Calculate the load carrying capacity of Pile foundation.

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	C30	C302.5	Compute the earth pressures in retaining walls.
37	C303 - ENVIRONMENTAL ENGINEERING -I (CE 6503)	C303.1	Know about the water supply system from the basic need of water source.
		C303.2	Explain the types of conveyance system.
		C303.3	Prepare the design of water treatment plant.
		C303.4	Knows the about the advanced water treatment concerning health aspects.
		C303.5	Illustrate the water supply system for a building.
38	C304 - HIGHWAY ENGINEERING (CE 6504)	C304.1	Know about the concept of highway planning and alignment
		C304.2	Explain the geometric design of highways
		C304.3	Prepare the design of flexible pavement and rigid pavement
		C304.4	Explain the importance of highway materials and its testing
		C304.5	Solves the pavement repair problems and also summarizes the pavement maintenance systems.
39	C305 - DESIGN OF REINFORCED CONCRETE ELEMENTS (CE 6505)	C305.1	Prepare the design of Reinforced Concrete slab and beam by working stress method.
		C305.2	Select the suitable reinforcement for Flexural members by Limit state method.
		C305.3	Prepare the design of RC Members for combined bending, Shear and Torsion.
		C305.4	Select the suitable reinforcement for Compression members.
		C305.5	Prepare the design of various types of Reinforced Concrete footings.
40	C306 - CONSTRUCTION TECHNIQUES, EQUIPMENT AND PRACTICES (CE 6506)	C306.1	Explain the concept of concrete mix design
		C306.2	List the sequence of construction activities and knows about the masonry works
		C306.3	Summarizes the techniques of underground structures construction and under water constructions`
		C306.4	Compare the various techniques involved in super structure construction
		C306.5	Identify the suitable equipments for different types of construction works
41	C307 - COMMUNICATION SKILLS- LABORATORY BASED (CE8512)	C307.1	Plan, organize, write and present project reports.
		C307.2	Technical papers in the frame of the scientific method
		C307.3	Establish themselves through communication skills in
42	08 - SOIL MECHANICS LABORATORY (CE6511)	C308.1	Determine the index properties of the soil which are an indicative of the engineering properties of soil.
		C308.2	Obtain the field density of the soil and its moisture content and to Find out its dry density and optimum moisture content of the soil
		C308.3	Determine the permeability characteristics of the soil.
		C308.4	Find out the consolidation characteristics and its settlement properties.



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	C3 LA	C308.5	Determine the shear strength of different types of soil .
43	C309 - SURVEY CAMP (CE6512)	C309.1	measure the area and distance between the points by compass and plane table
		C309.2	Calculate the azimuth of a heavenly body
		C309.3	Measure the height and distance by theodolite
		C309.4	Prepare contour map for the given area
44	C310 - DESIGN OF REINFORCED CONCRETE AND BRICK MASONRY STRUCTURES (CE6601)	C310.1	Construct the design of Cantilever and Counter fort Retaining Wall.
		C310.2	Prepare the design of Rectangular and circular water tank by working stress method.
		C310.3	Prepare the design of staircase and Flat slab.
		C310.4	Apply the knowledge of Virtual work method in designing Rectangular, Square, Triangular and Circular slabs.
		C310.5	Apply the codal provision of design procedure for Axially loaded Brick wall.
45	C311- STRUCTURAL ANALYSIS II (CE6602)	C311.1	To analyze the indeterminate structure like pin jointed plane frames, continuous beams and rigid jointed plane frames by matrix flexibility method.
		C311.2	To impart the indeterminate structure like pin jointed plane frames, continuous beams and rigid jointed plane frames by matrix stiffness method.
		C311.3	To make the student knowledge about the finite element analysis of a structural elements.
		C311.4	To understand the concepts of plastic analysis of structure.
		C311.5	To know the knowledge on suspension bridge and stiffening girders in bridge structures.
46	C312 - DESIGN OF STEEL STRUCTURES (CE6603)	C312.1	Enumerate the Design of steel connection using rivet, bolt and welding
		C312.2	Prepare the design of tension and member
		C312.3	Prepare the design of compression member
		C312.4	Prepare the design of laterally supported and unsupported beams
		C312.5	Prepare the design of truss component members
47	C313 - RAILWAYS AIRPORTS, HARBOUR ENGINEERING (CE6604)	C313.1	Describe the role of railways in national development
		C313.2	Explain the concept of railway planning and design
		C313.3	Summarize the techniques of railway track construction and maintenance
		C313.4	Explain the airport planning and designing
		C313.5	Prepare the air traffic control plans
	ENVIRONMENTAL ENGINEERING -II (CE6605)	C314.1	An ability to estimate sewage generation and design sewer system including sewage pumping stations
		C314.2	The required understanding on the characteristics and composition of sewage, self-purification of streams

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48	C314 - ENVIRONMENTAL ENGINEERING LABORATORY (CE6611)	C314.3	An ability to perform basic design of the unit operations and processes that are used in sewage treatment
		C314.4	Understand the standard methods for disposal of sewage.
		C314.5	Gain knowledge on sludge treatment and disposal
49	C315- CONCRETE TECHNOLOGY (CE6002)	C315.1	An understanding of the nature and characteristics of air pollutants, noise pollution and basic concepts of air quality management
		C315.2	Ability to identify, formulate and solve air and noise pollution problems
		C315.3	Ability to design stacks and particulate air pollution control devices to meet applicable standards.
		C315.4	Ability to select control equipments.
		C315.5	Ability to ensure quality, control and preventive measures.
50	C316 - ENVIRONMENTAL ENGINEERING LABORATORY (CE6611)	C316.1	Determine the PH of and turbidity and hardness of water.
		C316.2	Determine the content of iron, fluoride, residual chloride.
		C316.3	Determine Ammonia Nitrogen, sulphate.
		C316.4	Determine the optimum coagulant dosage.
		C316.5	Determine available chlorine in bleaching powder.
		C316.6	Determine B.O.D,C.O.D
51	C317 - CONCRETE AND HIGHWAY ENGINEERING LABORATORY (CE6612)	C317.1	Predict the quality of coarse aggregate used in concrete.
		C317.2	Measure the workability of the fresh concrete
		C317.3	calculate characteristics strength of the given concrete.
		C317.4	Develop sufficient idea on practice and procedure of using bitumen in road works.
		C317.5	check the existing quality of conventional bituminous roads and
52	C401 - STRUCTURAL DYNAMICS AND EARTHQUAKE ENGINEERING (CE6701)	C401.1	Explain the basic concepts of theory of vibration
		C401.2	Predict the dynamic response of multi Degree of freedom system
		C401.3	Explain about causes of earthquake and its measurement
		C401.4	Develop a skill to retrieve information from past structural failures and use it in future planning
		C401.5	Apply various codal provisions related to the seismic design of buildings
53	C402 - PRESTRESSED CONCRETE STRUCTURES (CE6702)	C402.1	explain the concepts of prestress and its behaviour
		C402.2	Estimate the flexural strength for prestressed concrete structures
		C402.3	Prepare the design of tank and pipe
		C402.4	Calculate the resultant stress for composite beam of prestressed concrete member
		C402.5	Explain the design concept of bridges using prestressed concrete structures
		C403.1	Estimate water requirements for irrigation and drinking

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54	C403 - WATER RESOURCES AND IRRIGATION ENGINEERING (CE6703)	C403.2	Estimate the consumptive use of water
		C403.3	Compute Irrigation efficiencies
		C403.4	Demonstrate the Diversion Head works
		C403.5	Summarize Irrigation methods
55	C404 - HOUSING PLANNING AND MANAGEMENT (CE 6007)	C404.1	Explain about the National Housing Policies and sustainable houses of India.
		C404.2	Develop the knowledge on housing programmes
		C404.3	Explain about the role of public and Non-Governmental organisation.
		C404.4	use the cost effective techniques and materials to reduce the project cost.
		C404.5	Prepare the housing project appraisal.
56	C405 - MUNICIPAL SOLID WASTE MANAGEMENT (EN6501)	C405.1	An understanding of the nature and characteristics of municipal solid wastes
		C405.2	An understanding of the regulatory requirements regarding municipal solid waste management
		C405.3	Ability to plan waste minimisation and design storage
		C405.4	Ability to plan collection, transport, processing and disposal of municipal solid waste
		C405.5	To make the students conversant with different aspects of municipal solid wastes
57	C406 - ESTIMATION AND QUANTITY SURVEYING (CE 6713)	C406.1	To estimate the material quantities
		C406.2	Prepare a bill of quantities
		C406.3	Able to make specifications
		C406.4	Able to prepare tender documents
		C406.5	Able to prepare value estimates
58	C407 - COMPUTER AIDED DESIGN AND DRAFTING LABORATORY (CE6711)	C407.1	The student acquires hands on experience in design
		C407.2	The student acquires hands on experience in preparation of structural drawings for concrete
		C407.3	The student acquires hands on experience in preparation of structural drawings for steel structures
		C407.4	Preparation of structural drawings
		C407.5	Design of hemispherical bottomed steel tank
59	C408 - DESIGN PROJECT (CE8712)	C408.1	prepare the plan of a Civil engineering structure.
		C408.2	Utilize advanced software techniques / skills
		C408.3	Apply various codal provisions to design a structure
		C408.4	Prepare the design for a structure

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	PR	C408.5	prepare the detailed drawings for structural elements
60	C409 - PRINCIPLES OF MANAGEMENT (MG6851)	C409.1	To enable the students to study the evolution of Management
		C409.2	To study the functions and principles of management
		C409.3	To learn the application of the principles in an organization
		C409.4	Basic knowledge on international aspect of management
		C409.5	Able to have clear understanding of managerial functions like planning
61	C410 - PREFABRICATED STRUCTURES (CE6016)	C410.1	The student shall able to design some of prefabricated elements
		C410.2	Can able to gain knowledge on various construction methods in using these element
		C410.3	To gain knowledge on various design principles
		C410.4	To gain knowledge on various joints used in these structural members
		C410.5	Able to design the structure to carry abnormal loads
62	C411 - REPAIR AND RAHABILITATION OF STRUCTURES (CE6021)	C411.1	The principles of Atmospheric dynamics and transport of heat and air mass
		C411.2	The develop simple climate models and to predict climate change
		C411.3	To gained knowledge on quality of concrete
		C411.4	To gained knowledge on repairing of structures
		C411.5	To gained knowledge on demolition procedures
63	C413 - PROJECT WORK (CE6811)	C412.1	On Completion of the project work students will be in a position to take up any challenging practical problems and find solution by formulating proper methodology
		C412.2	To develop the ability to solve a specific problem
		C412.3	To train the students in preparing project reports and to face reviews and viva voce examination.
		C412.4	Prepare Technical reports
		C412.5	Solve a specific problem