BRANCH:	CE /B.Tech II			SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	II	SEMESTER:	III
SUBJECT:	Applied Mathematics III			SUBJECT CODE:	AHT 006

COURSE OUTCOMES (CO)

CO #	CO STATEMENT
BCET 306.1	Remember the concept of Laplace transform and apply in solving real life problems.
BCET 306.2	Apply the concept of Fourier transform to evaluate engineering problems.
BCET 306.3	Understand to evaluate roots of algebraic and transcendental equations.
BCET 306.4	Solve the problem related to interpolation, differentiation, integration and the solution of differential equations.
BCET 306.5	Understand the concept of correlation, regression, moments, skewness and kurtosis and curve fitting.

BRANCH:	CE /B.Tech II			SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	II	SEMESTER:	III
SUBJECT:	Universal Human Value			SUBJECT CODE:	AHT 008

COURSE OUTCOMES (CO)

CO #	CO STATEMENT
BCET 308.1	Students are expected to become more aware of themselves, and their surroundings (family, society, nature)
BCET 308.2	They would become more responsible in life, and in handling problems with sustainable solutions, while keeping human relationships and human nature in mind.
BCET 308.3	They would have better critical ability.
BCET 308.4	They would also become sensitive to their commitment towards what they have understood (human values, human relationship and human society).
BCET 308.5	It is hoped that they would be able to apply what they have learnt to their own self in different day-to- day settings in real life, at least a beginning would be made in this direction.

BRANCH:	CE /B.Tech II			SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	II	SEMESTER:	III
SUBJECT:	Construction Materials			SUBJECT CODE:	CET 001

COURSE OUTCOMES (CO)

CO #	CO STATEMENT
BCET 301.1	Compare the properties of most common and advanced building materials.
BCET 301.2	understand the typical and potential applications of these materials
BCET 301.3	understand the relationship between material properties and structural form
BCET 301.4	understand the importance of experimental verification of material properties
BCET 301.5	understand the properties of low cost and advanced material used in construction.

BRANCH:	CE /B.Tech II			SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	II	SEMESTER:	III
SUBJECT:	Construction Materials lab			SUBJECT CODE:	CEP 001

COURSE OUTCOMES (CO)

CO #	CO STATEMENT
BCEP 301.1	Students will be able to understand characteristics of various types of building stone.
BCEP 301.2	Students will be able to understand various types of properties of Bricks.
BCEP 301.3	Students will be able to understand various types of properties of cement.
BCEP 301.4	Students will be able to understand characteristics of various types of Timber.
BCEP 301.5	Students will be able to understand characteristics of various types of Admixtures.

BRANCH:	CE /B.Tech II			SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	II	SEMESTER:	III
SUBJECT:	Surveying			SUBJECT CODE:	CET 002

COURSE OUTCOMES (CO)

CO #	CO STATEMENT
BCET 302.1	Learn chain survey, compass survey, Theodolite survey , levelling, error calculation & adjustment and
BCET 302.2	Learn how curves are plotted and constructed for highways and railway projects
BCET 302.3	Use latest instruments like Digital Theodolite, Auto Level, EDM, Total station
BCET 302.4	Understand the various methods of plane table surveying and its importance in survey.
BCET 302.5	Understand about various types of errors in surveying and how to rectify them.

BRANCH:	CE /B.Tech II			SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	II	SEMESTER:	III
SUBJECT:	Surveying lab			SUBJECT CODE:	CEP 002

COURSE OUTCOMES (CO)

CO #	CO STATEMENT
BCEP 302.1	The student will be able to develop methods through the knowledge of modern science, technology and the equipment's and use them in the field.
BCEP 302.2	The student will be able to determine the distance and angle between different objects.
BCEP 302.3	The student will be able to determine the relative position of any objects or points of the earth.
BCEP 302.4	The student will be able to prepare a map or plan to represent an area on a horizontal plan.
BCEP 302.5	The student will be able to set out curves.

BRANCH:	CE /B.Tech II			SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	II	SEMESTER:	III
SUBJECT:	Strength Of Materials			SUBJECT CODE:	CET 003

COURSE OUTCOMES (CO)

CO #	CO STATEMENT
BCET 303.1	Describe the concepts and principles, understand the theory of elasticity including strain/displacement and Hooke's law relationships; and perform calculations, relative to the strength and stability of structures and mechanical components;
BCET 303.2	Define the characteristics and calculate the magnitude of combined stresses in individual members and complete structures; analyze solid mechanics problems using classical methods and energy methods;
BCET 303.3	Analyze various situations involving structural members subjected to combined stresses by application of Mohr's circle of stress; locate the shear centre of thin wall beams;
BCET 303.4	Calculate the deflection at any point on a beam subjected to a combination of loads; solve for stresses and deflections of beams under unsymmetrical loading; apply various failure criteria for general stress states at points;
BCET 303.5	Analyze the stresses developed in thin cylinders and concept of torsional equation in shafts, solve torsion problems in bars and thin walled members;

BRANCH:	CE /B.Tech II			SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	II	SEMESTER:	III
SUBJECT:	Strength Of Materials lab			SUBJECT CODE:	CEP 003

COURSE OUTCOMES (CO)

CO #	CO STATEMENT
BCEP 303.1	The student will be able to understand the basic concepts of the stresses and strains for different materials and strength of structural elements.
BCEP 303.2	The student will be able to evaluate the values of yield stress, breaking stress and ultimate stress of the given specimen under tension test.
BCEP 303.3	The student will be able to conduct the torsion test to determine the modulus of rigidity of given
BCEP 303.4	The student will be able to conduct Compression test, impact test, shear test, bending test etc.
BCEP 303.5	The student will be able to conduct elasticity and elongation test on various materials etc.

BRANCH:		CE /B.Tech II		SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	II	SEMESTER:	III
SUBJECT:		Python		SUBJECT CODE:	CST 005

COURSE OUTCOMES (CO)	
CO #	CO STATEMENT
BCET 305.1	Develop essential programming skills in computer programming concepts like data types.
BCET 305.2	Examine Python syntax and semantics and be fluent in the use of Python flow control and functions.
BCET 305.3	Illustrate the process of structuring the data using lists, tuples, and dictionaries.
BCET 305.4	Demonstrate using built-in functions and operations to navigate the file system.
BCET 305.5	Interpret the concepts of modules and user-defined functions in Python.

BRANCH:		CE /B.Tech II		SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	II	SEMESTER:	IV
SUBJECT:		Data Structures		SUBJECT CODE:	CST 006

COURSE OUTCOMES (CO)	
CO #	CO STATEMENT
BCET 406.1	Compare functions using asymptotic analysis and describe the relative merits of worst-case, average-case, and bestcase analysis.
BCET 406.2	Become familiar with a variety of sorting algorithms and their performance characteristics (e.g., running time, stability, space usage) and be able to choose the best one under a variety of requirements.
BCET 406.3	Understand and identify the performance characteristics of fundamental algorithms and data structures and be able to trace their operations for problems such as sorting, searching, selection, operations on numbers, and graphs.
BCET 406.4	Solve real-world problems using arrays, stacks, queues, and linked lists.
BCET 406.5	Become familiar with the major graph algorithms and their analyses. Employ graphs to model engineering problems when appropriate.

BRANCH:		CE /B.Tech II		SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	II	SEMESTER:	IV
SUBJECT:		Technical Communication		SUBJECT CODE:	AHT 007

COURSE OUTCOMES (CO)	
CO #	CO STATEMENT
BCET 407.1	Students will be enabled to understand the nature and objective of Technical Communication relevant for the work place as Engineers.
BCET 407.2	Students will utilize the technical writing for the purposes of Technical Communication and its exposure in various dimensions.
BCET 407.3	Students would imbibe inputs by presentation skills to enhance confidence in face of diverse audience.
BCET 407.4	Technical communication skills will create a vast know-how of the application of the learning to promote their technical competence.
BCET 407.5	It would enable them to evaluate their efficacy as fluent & efficient communicators by learning the voice dynamics.

BRANCH:		CE /B.Tech II		SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	II	SEMESTER:	IV
SUBJECT:		Basic Structure Analysis		SUBJECT CODE:	CET 004

COURSE OUTCOMES (CO)	
CO #	CO STATEMENT
BCET 404.1	Analyse trusses and study displacement response of statically determinate structural systems using energy methods:
BCET 404.2	Apply unit load method and strain energy method for determination of deflection of statically determinate beams, frames & pin jointed trusses
BCET 404.3	Analyse statically indeterminate structures using strain energy method and method of consistent deformation
BCET 404.4	Know about moving loads and influence lines
BCET 404.5	Know about Statically determinate and indeterminate suspension bridges and arches

BRANCH:		CE /B.Tech II		SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	II	SEMESTER:	IV
SUBJECT:		Basic Structure Analysis lab		SUBJECT CODE:	CEP 005

COURSE OUTCOMES (CO)	
CO #	CO STATEMENT
BCEP 405.1	The student will be able to distinguish between statically determinate and indeterminate structures.
BCEP 405.2	The student will be able to apply equations of equilibrium to structures and compute the reactions.
BCEP 405.3	The student will be able to draw the shear force and bending moment diagrams.
BCEP 405.4	The student will be able to calculate the internal forces in cable and arch type structures.
BCEP 405.5	The student will be able to calculate the deflections of truss structures, beams, and portal frames

		CE /B.Tech II		SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	II	SEMESTER:	IV
SUBJECT:		Fluid Mechanics		SUBJECT CODE:	CET 006

COURSE OUTCOMES (CO)	
CO #	CO STATEMENT
BCET 406.1	Understand the broad principles of fluid statics, kinematics and dynamics
BCET 406.2	Understand definitions of the basic terms used in fluid mechanics
BCET 406.3	Understand classifications of fluid flow
BCET 406.4	Be able to apply the continuity, momentum and energy principles
BCET 406.5	Be able to apply dimensional analysis

		CE /B.Tech II		SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	II	SEMESTER:	IV
SUBJECT:		Concrete Technology lab		SUBJECT CODE:	CEP 006

COURSE OUTCOMES (CO)	
CO #	CO STATEMENT
BCEP 406.1	Perform different tests conducted on aggregate and concrete at site.
BCEP 406.2	Perform non-destructive test on concrete.
BCEP 406.3	Design the concrete mix as per the site conditions and specification of materials available there.
BCEP 406.4	Understand various properties of admixtures on concrete.
BCEP 406.5	Understand the effect of water cement ratio on concrete.

		CE /B.Tech III		SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	III	SEMESTER:	V
SUBJECT:		Reinforced Concrete Structure		SUBJECT CODE:	CET 007

COURSE OUTCOMES (CO)	
CO #	CO STATEMENT
CET 007.1	Students will understand the general mechanical behaviour of reinforced concrete.
CET 007.2	Students will be able to analyze and design reinforced concrete flexural members.
CET 007.3	Student will be able to analyze and design reinforced concrete compression members.
CET 007.4	Students will be able to analyze and design for vertical and horizontal shear in reinforced concrete.
CET 007.5	Students will be able to analyze transfer and development length of concrete reinforcement

		CE /B.Tech III		SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	III	SEMESTER:	V
SUBJECT:		Soil Mechanics		SUBJECT CODE:	CET 008

COURSE OUTCOMES (CO)	
CO #	CO STATEMENT
CET 008.1	Know about the theory of elasticity and its application in Soil Mechanics.
CET 008.2	Get a detailed idea about the pore water pressure due to undrained loading and seepage.
CET 008.3	Get detailed information about consolidation in soil media.
CET 008.4	Get a clear idea about shear stress and stress paths.
CET 008.5	Understand the concept of critical state soil mechanics.

	CE /B.Tech III			SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	III	SEMESTER:	V
SUBJECT:	Advance Structure Analysis			SUBJECT CODE:	CET 009

COURSE OUTCOMES (CO)	
CO #	**CO STATEMENT**
CET 009.1	Analyze structure susing force method
CET 009.2	Analyze structure susing displacement method
CET 009.3	learn Clapeyrons theorem and its applications
CET 009.4	Analyze structures using matrix methods
CET 009.5	Analyze structures using plastic analysis

	CE /B.Tech III			SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	III	SEMESTER:	V
SUBJECT:	Engg. Geology			SUBJECT CODE:	CET 011

COURSE OUTCOMES (CO)	
CO #	**CO STATEMENT**
CET 011.1	Understand scope of engineering geology and identify different types of rocks, minerals and building stones.
CET 011.2	
CET 011.3	Understand geological concepts and approaches of weathering of rocks.
CET 011.4	Understand the structural geology terms like dip, strike, joints and learn about earthquake.
CET 011.5	Understand geographical concepts and terminology.

	CE /B.Tech III			SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	III	SEMESTER:	V
SUBJECT:	Safety Mangement in construction			SUBJECT CODE:	CET 015

COURSE OUTCOMES (CO)	
CO #	**CO STATEMENT**
CET 015.1	explain the theoretical foundation for the different methods and tools in use to identify, analyse and evaluate accident risks and remedial actions
CET 015.2	choose and assess appropriate methods and tools for a systematic and efficient accident prevention work in industrial organisations and projects.
CET 015.3	choose and assess efficient preventive measures and argue for the choice of these
CET 015.4	explain why accidents happen by use of different theoretical models and perspectives
CET 015.5	explain the principles for experience feedback and learning from unwanted occurrences.

	CE /B.Tech III			SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	III	SEMESTER:	V
SUBJECT:	Constitution of India			SUBJECT CODE:	AHT 009

COURSE OUTCOMES (CO)	
CO #	**CO STATEMENT**
AHT 009.1	Understand the basic knowledge and salient features of Indian Constitution.
AHT 009.2	Identify and explore the basic features and modalities about Indian constitution.
AHT 009.3	Discusses the essence of Union and its territories, Citizenship, Fundamental Rights, DPSP and Fundamental duties.
AHT 009.4	Differentiate and relate the functioning of Indian parliamentary system at the center and state level.
AHT 009.5	Differentiate different aspects of Indian Legal System and its related bodies.

	CE /B.Tech III			SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	III	SEMESTER:	V
SUBJECT:	Essence of Indian traditional Knowledge			SUBJECT CODE:	AHT 010

COURSE OUTCOMES (CO)	
CO #	**CO STATEMENT**
AHT 010.1	Understand the concept of Traditional knowledge and its importance.
AHT 010.2	Know the need and importance of protecting traditional knowledge.
AHT 010.3	Know the various enactments related to the protection of traditional knowledge.
AHT 010.4	Understand the concepts of Intellectual property to protect the traditional knowledge.
AHT 010.5	Know the contribution of scientists of different areas.

	CE /B.Tech III			SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	III	SEMESTER:	VI
SUBJECT:	Transportation Engineering			SUBJECT CODE:	CET 016

COURSE OUTCOMES (CO)	
CO #	**CO STATEMENT**
CET 016.1	Carry out surveys involved in planning and highway alignment.
CET 016.2	Design the geometric elements of highways and expressways.
CET 016.3	Carry out traffic studies and implement traffic regulation and control measures and intersection design.
CET 016.4	Characterize pavement materials.
CET 016.5	Design flexible and rigid pavements as per Indian Roads Congress.

	CE /B.Tech III			SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	III	SEMESTER:	VI
SUBJECT:	Design Of Steel Structures			SUBJECT CODE:	CET 017

COURSE OUTCOMES (CO)	
CO #	**CO STATEMENT**
CET 017.1	Identify and compute the design loads on a typical steel building.
CET 017.2	Able to identify and interpret the appropriate relevant industry design codes.
CET 017.3	Identify the different failure modes of steel tension and compression members and beams,and compute their design strengths.
CET 017.4	Students will be able to check and specify the serviceability requirements of the designed steel structures.
CET 017.5	Identify the different failure modes of bolted and welded connections,and determine the design strengths.

	CE /B.Tech III			SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	III	SEMESTER:	VI
SUBJECT:	Environmental Engineering			SUBJECT CODE:	CET 018

COURSE OUTCOMES (CO)	
CO #	**CO STATEMENT**
CET 018.1	Be able to identify and value the effect of the pollutants on the environment: atmosphere, water and soil.
CET 018.2	Be able to plan strategies to control, reduce and monitor air and water pollution.
CET 018.3	Be able to select the most appropriate technique for the treatment of water.
CET 018.4	Be able to design various treatment units for water treatment.
CET 018.5	Apply sampling techniques for water, air and noise.

	CE /B.Tech III			SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	III	SEMESTER:	VI
SUBJECT:	Foundation Engineering			SUBJECT CODE:	CET 019

COURSE OUTCOMES (CO)	
CO #	**CO STATEMENT**
CET 019.1	Determine the earth pressures on foundations and retaining structures.
CET 019.2	Analyze shallow and deep foundations.
CET 019.3	Calculate the bearing capacity of soils and foundation settlements.
CET 019.4	Understand soil exploration methods.
CET 019.5	Design machine foundation.

	CE /B.Tech III			SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	III	SEMESTER:	VI
SUBJECT:	Industrial Safety management			SUBJECT CODE:	AHT 013

COURSE OUTCOMES (CO)	
CO #	**CO STATEMENT**
AHT 013.1	Identify the key aspects of industrial safety and mitigating them.
AHT 013.2	Describe various types of solution to problems arising in safety operations and hygiene.
AHT 013.3	Apply principles of OSHA in controlling industrial disasters and losses.
AHT 013.4	Identify various Acts and Rules of industrial safety and hazard management.
AHT 013.5	Assess the overall performance of safety protocols of chemical industries and hazard management.

	CE /B.Tech III			SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	III	SEMESTER:	VI
SUBJECT:	Design Of Steel Structures lab			SUBJECT CODE:	CEP 014

COURSE OUTCOMES (CO)	
CO #	**CO STATEMENT**
CEP 014.1	Identify and compute the design loads on a typical steel building.
CEP 014.2	Identify the different failure modes of steel tension and compression members and beams, and compute their design strengths.
CEP 014.3	Students will be able to check and specify the serviceability requirements of the designed steel structures.
CEP 014.4	Identify the different failure modes of bolted and welded connections,and determine the design strengths.
CEP 014.5	Students will be able to read deatiled drawings of steel design and design the steel structures itself.

	CE /B.Tech IV			SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	IV	SEMESTER:	VII
SUBJECT:	Environmental Engineering II			SUBJECT CODE:	BCET 701

COURSE OUTCOMES (CO)	
CO #	**CO STATEMENT**
BCET 701.1	To introduce the students to the area of water and wastewater treatment.
BCET 701.2	The course will cover water chemistry; characteristics of water & wastewater; primary, secondary & tertiary treatment processes.
BCET 701.3	To learn about solid waste management and its disposal.
BCET 701.4	To have insight knowledge of Industrial waste that causes pollution on large basis.
BCET 701.5	To learn about purification of wastewater and its usage for various irrigation purposes.

	CE /B.Tech IV			SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	IV	SEMESTER:	VII
SUBJECT:	Design Of Steel Structures			SUBJECT CODE:	BCET 702

COURSE OUTCOMES (CO)	
CO #	**CO STATEMENT**
BCET 702.1	Identify and compute the design loads on a typical steel building.
BCET 702.2	Able to identify and interpret the appropriate relevant industry design codes.
BCET 702.3	Identify the different failure modes of steel tension and compression members and beams, and compute their design strengths.
BCET 702.4	Students will be able to check and specify the serviceability requirements of the designed steel structures.
BCET 702.5	Identify the different failure modes of bolted and welded connections, and determine their design strengths.

	CE /B.Tech IV			SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	IV	SEMESTER:	VII
SUBJECT:	Ground water Engineeirng			SUBJECT CODE:	BCET 703 C

COURSE OUTCOMES (CO)	
CO #	**CO STATEMENT**
BCET 703 C.1	Understand the porous medium properties that control groundwater flow and transport, including porosity, hydraulic conductivity, and compressibility.
BCET 703 C.2	Derive effective hydraulic conductivity for various cases of heterogeneous subsurface formations.
BCET 703 C.3	Apply groundwater flow equations to confined and unconfined aquifers.
BCET 703 C.4	Analyze pump test data to determine aquifer properties.
BCET 703 C.5	Estimate travel times for groundwater contaminants in a saturated aquifer.

	CE /B.Tech IV			SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	IV	SEMESTER:	VII
SUBJECT:	Hydrology			SUBJECT CODE:	BCET 704 A

COURSE OUTCOMES (CO)	
CO #	**CO STATEMENT**
BCET 704 A.1	Provide a background in the theory of hydrological processes and their measurement.
BCET 704 A.2	Apply science and engineering fundamentals to solve current problems and to anticipate, mitigate and prevent future problems in the area of water resources management.
BCET 704 A.3	An ability to manipulate hydrological data and undertake widely-used data analysis.
BCET 704 A.4	A systematic understanding of the nature of hydrological stores and fluxes and a critical awareness of the methods used to measure, analyze and forecast their variability; and the appropriate contexts for their application.
BCET 704 A.5	Can define the key components of a functioning groundwater, can determine the main aquifer properties – permeability, transmissivity and storage Identify geological formations capable of storing and transporting groundwater.

	CE /B.Tech IV			SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	IV	SEMESTER:	VIII
SUBJECT:	Construction Planning & Management			SUBJECT CODE:	BCET 801

COURSE OUTCOMES (CO)	
CO #	**CO STATEMENT**
BCET 801.1	An understanding of modern construction practices.
BCET 801.2	A good idea of basic construction dynamics- various stakeholders, project objectives, Processes, resources required and project economics.
BCET 801.3	A basic ability to plan, control and monitor construction projects with respect to time and cost.
BCET 801.4	An idea how construction projects are administered with respect to contract structures and issues.
BCET 801.5	An idea about the latest earth moving equipments & machinery used in construction projects.

	CE /B.Tech IV			SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	IV	SEMESTER:	VIII
SUBJECT:	Seismology & Earthquake Resistance Design of Buildings			SUBJECT CODE:	BCET 802

COURSE OUTCOMES (CO)	
CO #	**CO STATEMENT**
BCET 802.1	The students will gain an experience in the implementation of Earthquake Engineering on engineering concepts which are applied in field Structural Engineering.
BCET 802.2	The students will get a diverse knowledge of earthquake engineering practices applied to real life problems
BCET 802.3	The students will learn to understand the theoretical and practical aspects of earthquake engineering along with the planning and design aspects
BCET 802.4	The students will learn to understand the seismic codal provision prescribed by IS:1893
BCET 802.5	The students will learn to understand the concept of Risk and Hazardous condition due to earthquake.

	CE /B.Tech IV			SESSION:	2024-25
COURSE:	B.TECH- CE	YEAR:	IV	SEMESTER:	VIII
SUBJECT:	Irrigation Engineering			SUBJECT CODE:	BCET 803 A

COURSE OUTCOMES (CO)	
CO #	**CO STATEMENT**
BCET 803 A.1	Various components of hydrologic cycle that affect the movement of water in the earth.
BCET 803 A.2	Various Stream flow measurements technique.
BCET 803 A.3	The concepts of movement of ground water beneath the earth.
BCET 803 A.4	The basic requirements of irrigation and various irrigation techniques, requirements of the crops.
BCET 803 A.5	Distribution systems for canal irrigation and the basics of design of unlined and lined irrigation canals design.

	CE /B.Tech IV			SESSION:	2024-25
COURSE:	**B.TECH- CE**	**YEAR:**	**IV**	**SEMESTER:**	**VIII**
SUBJECT:		Hydropower Engineering		**SUBJECT CODE:**	**BOEC 804 A**

COURSE OUTCOMES (CO)	
CO #	**CO STATEMENT**
BOEC 804 A.1	Students will get the understanding of different types of hydropower schemes and their purposes.
BOEC 804 A.2	Students will get to learn how to plan and design the different types of hydraulic structures.
BOEC 804 A.3	Student will learn concepts and aspects of Location, components Structures involved in a Hydropower plant.
BOEC 804 A.4	Student will have proper understanding of various appurtenances used in any Hydro project.
BOEC 804 A.5	Students will learn about how electricity is transferred & distributed from hydro power plant.