



Course Outcomes (2025-2026)	
Course Code	Course Outcomes
First Semester	
1BCS01T Applied Mathematics – I	
CO101.1	Apply the concept of different matrix operations, inversion.
CO101.2	Demonstrate Partial derivative of various function and apply their concepts for Engineering problems.
CO101.3	Apply the concepts of Beta and Gamma functions to solve the problems.
CO101.4	Solve ordinary differential equations using elementary techniques and apply it to formulate mathematical models.
CO101.5	Use higher order differential equations to solve the problems in engineering field.
1BCS02T Applied Chemistry	
CO102.1	Use basic principles of spectroscopy and its applications.
CO102.2	Apply concepts of electrochemistry for energy storage devices and corrosion.
CO102.3	Identify and describe different types of advanced engineering materials.
CO102.4	Develop an insight into concepts of Green Chemistry and e-waste management.
1BCS02P Applied Chemistry Lab	
CO102.1	Estimate the soluble impurities present in the given water sample.
CO102.2	Analyze a broad foundation in energy and environment that stresses scientific reasoning and analytical problem solving.
CO102.3	Point out & operate the different instruments used in chemistry laboratory.
1BCS03T Problem Solving using “C”	
CO103.1	Illustrate and explain the basic computer concepts and programming principles of C language.
CO103.2	Develop C programs to solve simple mathematical, decision making problems and problems using looping constructs.
CO103.3	Develop C programs to demonstrate the applications of derived data types such as arrays, pointers, strings and functions.
CO103.4	Develop C programs to demonstrate the applications of derived data types such functions.
CO103.5	Develop C programs to demonstrate the applications of File Handling.
1BCS03P Program Solving using ‘C’ Lab	
CO103.1	Develop, Debug and Execute programs to demonstrate decision making and looping control structures in C.
CO103.2	Develop, Debug and Execute programs to demonstrate the applications of arrays in C.
CO103.3	Develop, Debug and Execute programs to demonstrate the applications of functions in C.
CO103.4	Develop, Debug and Execute programs to demonstrate the basic concepts of pointers in C.
1BCS04T Basics of Electronics Engineering	
CO104.1	Solve number system problems & analyze the concept of digital logic gates.
CO104.2	Analyze, Design & implement combinational circuits.

CO104.3	Analyze, Design & implement sequential circuits.
CO104.4	Compare the working of different electronic components.
CO104.5	Examine the communication devices and demonstrate the networking and wireless technology.
1BCS04P	Basics of Electronics Engineering Lab
CO104.1	Use the basic logic gates and test their use in combinational and sequential circuits
CO104.2	Apply knowledge of digital components and design logic circuits.
CO104.3	Illustrate the working mechanism and design of different combinational circuits in the digital system.
CO104.4	Apply knowledge of digital components and design logic circuits.
CO104.5	Demonstrate the knowledge of network commands and shall be able to design LAN network.
1BIK01T-A	Indian Knowledge System
COIK01T-A.1	Understand the diverse dimensions of Indian knowledge traditions.
COIK01T-A.2	Analyze the contributions of ancient Indian scholars to different fields of knowledge.
COIK01T-A.3	Explore the interconnectedness of various branches of Indian knowledge.
COIK01T-A.4	Critically evaluate the relevance of Indian knowledge systems in modern society.
1BCS05P	Web Design Technology
CO105.1	To design the structure and model of the HTML programming language
CO105.2	To apply CSS defining styles for web pages
CO105.3	Design dynamic web pages using Java script.
CO105.4	Create webpages using various tools.
1BCC01P-F	Basics of Vedic Math
COCC01P-F.1	Compute simple arithmetic calculations with speed and accuracy
COCC01P-F.2	Generate tables of any number
COCC01P-F.3	Solve products of large numbers quickly
COCC01P-F.4	Solve difficult calculations like square roots and cube roots of integers speedily.
Second Semester	
2BCS01T	Applied Mathematics – II
CO201.1	Analyze statistical data using curve fitting techniques.
CO201.2	Evaluate integrals using concepts of scalar and vector point function.
CO201.3	Use probability distributions and mathematical expectations to solve the problems.
CO201.4	Apply the various numerical methods to solve simultaneous equations.
CO201.5	Show the various concepts of vector spaces.
2BCS02T	Engineering Physics
CO202.1	Develop elementary concepts of quantum mechanics and their applications.
CO202.2	Relate the basic idea of total internal reflection to the propagation of light in an optical fibre and make use of the fibre concepts to solve numerical problems and relate to applications in Engineering.
CO202.3	Discriminate and explain different types of diodes, transistors, and their applications.
CO202.4	Analyze how to extend the basic concepts of motion of charged particles in electric magnetic fields to solve numerical problems and to relate to applications in electron optic devices and CRO.
CO202.5	Apply quantum transitions to the working of lasers.

2BCS02P	Engineering Physics Lab
CO202.1	Create the basic circuitries in Electronics. Demonstrate and illustrate the basic principles of operation of semiconductor diodes and transistors.
CO202.2	Differentiate between the types of semiconductors through band gap experiment. Analyze the magnetic field-based experiment to distinguish the materials.
CO202.3	Apply the concept of diffraction for the optical based devices using LASER beam. Develop the concept of fiber optic cables to determine the numerical aperture of the fiber cables and to get acquainted with its use in daily life.
CO202.4	Examine the various electrical and electronics-based parameters viz. A.C. Voltage, frequency, and phase shift and time period using CRO.
CO202.5	Practice effectively as an individual and as a member of a team.
2BCS03T	Python Programming
CO203.1	Analyze the core syntax and semantics of Python programming language.
CO203.2	Demonstrate the working of conditional statement.
CO203.3	Illustrate indexing and slicing to access arrays in Python programs.
CO204.4	Illustrate the use of exception handling in Python applications for error handling.
2BCS03P	Python Programming Lab
CO203.1	Students will understand the environment of Python Programming
CO203.2	Students will able to apply the operation on conditions using simple programs
CO203.3	Students will able to apply functions, modules and packages using python
CO203.4	Students will be able to implement various file operations using python and implement concepts of database connectivity
2BCS04T	Computer Architecture & Organization
CO204.1	Recognize basic functional blocks of computer and addressing modes.
CO204.2	Differentiate data in different instruction formats & design the concept of bus organization & Control Unit.
CO204.3	Solve arithmetic problems, Booths Algorithms and IEEE standard numerical.
CO204.4	Categorize data in different mapping functions & solve memory related problems.
CO204.5	Examine the use of pipelining and formulate efficiency of Pipelining.
2BAE01T-A	Professional communication
COAE01T-A.1	Acquire basic communication skill and correct grammar usage.
COAE01T-A.2	Understand formal written communication
COAE01T-A.3	Organize and express their thoughts effectively through improving listening & speaking skills
COAE01T-A.4	Learn oral communication skills in order to handle themselves effectively in interview and group discussion
2BSE01P-A	Linux & Shell Programming
COSE01P-A.1	Understand LINUX architecture and LINUX commands.
COSE01P-A.2	Effectively used Linux environment using shell script.
COSE01P-A.3	Perform storage management and failure recovery through command.
COSE01P-A.4	Develop Shell Scripts for various operations.
2BCC01P-A	Yoga/Sports Recreation
COCC01P-A.1	Illustrate the fundamental techniques, underlying principles, and standard practices of both sports and yoga.
COCC01P-A.2	Collect practical experience in applying the principles of general and targeted physical conditioning exercises and yoga.

COCC01P-A.3	Enhance health-related fitness levels and achieve harmony between body and mind through participation in a variety of fitness activities, sports, recreational games, and yoga.
COCC01P-A.4	Practice Healthy & active living with reducing Sedentary Lifestyle.
Third Semester	
3BCS01T	Data Structures
CO301.1	Understand the efficiency of an algorithm based on time and space complexity and classify an appropriate searching and sorting techniques to solve given problems.
CO301.2	Apply the concepts of stack and queues to solve real world problem.
CO301.3	Apply the Linked List Concept to evaluate the expression.
CO301.4	Analyze the different traversing techniques using tree.
CO301.5	Use various methods to represent graph and utilize graph concepts to solve real world problems and implement concept of hashing
3BCS01P	Data Structures Lab
CO301.1	Analyze the performance of various algorithms based on time and space complexity.
CO301.2	Apply appropriate searching and sorting techniques for a given problem statement.
CO301.3	Design applications using linear and nonlinear data structures to solve engineering problems.
CO301.4	Choose appropriate data structures to solve given problems efficiently.
3BCS02T	Sampling and Optimization Techniques
CO302.1	Apply and recognize fundamental set theory in various real-life situations
CO302.2	Understand the core concepts of fuzzy sets, fuzzy logic and design fuzzy systems for various applications.
CO302.3	Demonstrate a strong understanding of graph theory concepts and develop problem-solving skills in related areas.
CO302.4	Calculate sample sizes, interpret confidence intervals, and apply methods like ratio estimation.
CO302.5	Develop critical thinking and problem-solving skills through applying optimization techniques to real-world scenarios.
3BCS02P	Object Oriented Programming Lab
CO302.1	Understand and apply the principles of Object-Oriented Programming (OOP) and design classes and objects.
CO302.2	Demonstrating encapsulation and abstraction, Utilize operator overloading to enhance the functionality of user-defined types.
CO302.3	Implement inheritance and polymorphism to promote code reusability and flexibility.
CO302.4	Employ exception handling mechanisms to create robust and error-resilient programs.
3BMDCS01T	Fundamentals of Computer Networks (MDM)
COMDCS01T.1	Describe the functions of each layer in OSI model along with basic networking Concepts.
COMDCS01T.2	Explain physical layer functionality and its working along with transmission media With real time applications.
COMDCS01T.3	Describe the functions of data link layer and explain the protocols used in data link Layer.
COMDCS01T.4	Classify the routing protocols and analyze how to map IP addresses. Identify the issues related to transport layer, congestion control
COMDCS01T.5	Describe Quality of Service, DNS, Application layer protocols & Network security Issues.
3BOE01T-B	Professional Practices & Ethics
COOE01T-B.1	Understand basic purpose of profession, professional ethics and various moral and social issues
COOE01T-B.2	Analyze various moral issues and theories of moral development.
COOE01T-B.3	Realize their roles of applying ethical principles at various

	professional levels.
COOE01T-B.4	Identify their responsibilities for safety and risk benefit analysis.
COOE01T-B.5	Understand their constructive roles in dealing various global issues.
3BEM01TA / 4BEM02T-A	Entrepreneurship Development
COEM01T.1	Understand the basic concepts of entrepreneurship and business opportunities
COEM01T.2	Understands the ideas to develop & convert the successful business ideas
COEM01T.3	Understand & solve problems related to market, technical aspects & assessment of project feasibility
COEM01T.4	Prepare project reports for starting a new venture on team based & raising the funds for starting the business.
3BVEDIT- B / 4BVE02T-B	Indian Constitution
COVEDIT- B.1	Interpret the Basic Concepts of Indian Constitution
COVEDIT- B.2	Evaluate the Fundamental Rights and Fundamental Duties in proper sense
COVEDIT- B.3	Analyze the Indian political system, the powers and functions of the Union and State Governments in detail
COVEDIT- B.4	Learn about the Institutions of Indian Politics and to acquire a sense of Democratic System
3BCS03P	Community Engagement Project
CO303.1	Identify and analyze the social, economic, and environmental issues prevalent in the community.
CO303.2	Collaborate effectively with local communities and stakeholders to understand their needs.
CO303.3	Apply theoretical knowledge to plan, implement, and evaluate a project that addresses a real-world community issue.
CO303.4	Demonstrate leadership, teamwork, communication, and ethical responsibility while working on community-centered problems.
Fourth Semester	
4BCS01T	Operating System
CO401.1	Describe the important computer system resources and the role of operating system COI in their management policies and algorithms.
CO401.2	Describe the important computer system resources and the role of operating system COI in their management policies and algorithms.
CO401.3	Evaluate the requirement for process synchronization and coordination handled by operating system.
CO401.4	Describe and Analyze the memory management and its allocation policies
CO401.5	Identify use and Evaluate the storage management policies with respect to different storage management technologies.
4BCS01P	Operating System Lab
CO401.1	Analyze the performance of various Job scheduling algorithms.
CO401.2	Apply appropriate CPU scheduling techniques for a given problem statement.
CO401.3	System to solve Process synchronization problems.
CO401.4	Choose appropriate policy to solve given problems efficiently.
4BCS02T	Java Programming
CO402.1	Learn the basic data types and control flow constructs using J2SE.
CO402.2	Use of various Object Oriented Concepts like inheritance, data hiding, Exception Handling etc., to implement various programs in Java
CO402.3	Solve and write the concepts of Thread, Multi-threading in programming.
CO402.4	Implement and use of String class, Date class, Time class and Calendar class in various micro

	projects.
CO402.5	Analyze and implement the concepts of Collections Framework
4BCS02P	Java Programming Lab
CO402.1	Analyze: Analyze the various features of object oriented programming languages.
CO402.2	Apply: Apply appropriate concept of classes and object for a given problem statement.
CO402.3	Create: Design applications using programming & tools to solve engineering problems.
CO402.4	Evaluate: Choose appropriate data structures and collection framework to solve given problems efficiently.
4BMDCS021	Basics of Operating System (MDM)
COMDCS021.1	Describe the important computer system resources and the role of operating system in their management policies and algorithms.
COMDCS021.2	Understand the process management policies and scheduling of processes by CPU.
COMDCS021.3	Evaluate the requirement for process synchronization and coordination handled by operating system.
COMDCS021.4	Describe and Analyze the memory management and its allocation policies
COMDCS021.5	Study and implement advanced databases which are used real time system.
4BOEOT-C	Digital Marketing
COOEOT-C.1	Understand the core concepts of Digital Marketing
COOEOT-C.2	Summarize the core concepts of Online Marketing.
COOEOT-C.3	Understand the social media platforms for business.
COOEOT-C.4	Apply the various tools of digital marketing
4BCS03P	Hardware and Networking
CO403.1	Explain the protocols of OSI and TCP/IP reference model.
CO403.2	Apply Networking layer concepts of IP addressing and Subnetting.
CO403.3	Discuss Transport Layer Protocols and its application..
CO403.4	Implement the different static and dynamic routing protocols.
4BAE-02T-A	Introduction to German Language
COAE-02T-A.1	Understand everyday phrases and simple expressions
COAE-02T-A.2	Use basic expressions in daily situations
COAE-02T-A.3	Introduce yourself and other people
COAE-02T-A.4	Ask and answer basic questions with confidence
Fifth Semester	
BTECH_CSE-501T	Artificial Intelligence
CO501.1	Demonstrate knowledge of the building blocks of AI as presented in terms of intelligent agents.
CO501.2	Analyze and formalize the problem as a state space, graph, design heuristics and select amongst different search or game- based techniques to solve them
CO501.3	To create an understanding of the basic issues of knowledge representation
CO501.4	Formulate and solve problems with uncertain information using Bayesian approaches.
CO501.5	Attain the capability to represent various real life problem domains using logic based techniques and BenQ
BTECH_CSE-501P	Artificial Intelligence
CO501.1	To demonstrate the knowledge of building blocks of AI as presented in terms of Intelligent Agents.

CO501.2	Analyze and formalize the problem as a state space, graph, design heuristics and select amongst different search or game - based techniques to solve them.
CO501.3	Create an understanding of basic issues of knowledge representation.
CO501.4	Formulate and solve the problem with uncertain information using Bayesian approaches.
CO501.5	Attain the capability to represent various real life problem domain using logic based techniques.
BTECH_CSE-502T Design Analysis & Algorithms	
CO502.1	Illustrate different approaches for analysis and design of efficient algorithms and Analyze performance of various algorithms using asymptotic notations
CO502.2	Determine and Apply various divide & conquer strategies and greedy approaches for solving a given computational problem
CO502.3	Demonstrate and Solve various real time problems using the concepts of dynamic programming
CO502.4	Make use of backtracking and graph traversal techniques for solving real-world problems
CO502.5	Recall and Classify the NP-hard and NP-complete problems
BTECH_CSE-502P Design Analysis & Algorithms Lab	
CO502.1	Calculate the time complexity of algorithm.
CO502.2	Sort the given numbers using various sorting algorithms.
CO502.3	Develop programs for the problems using Divide and Conquer and greedy methods.
CO502.4	Develop programs for the problems using Dynamic programming.
CO502.5	Able to write programs for the problems using Backtracking.
BTECH_CSE-503T Software Engineering & Project Management	
CO503.1	Understand software engineering methods, practices, process models and application
CO503.2	Analyze various software engineering life cycle models and apply methods for design and development of software projects
CO503.3	Analyze and extract requirements for product and translate these into documented design using different modelling techniques
CO503.4	Understand and apply software testing methods and types, also to understand debugging concept with various testing methods
CO503.5	Identify and apply the principles, processes and main knowledge areas for software project management.
BTECH_CSE-504.3T Elective-1: Data Warehousing & Mining	
CO504.3.1	Understand the basic concepts of Data Warehouse and data Mining techniques.
CO504.3.2	Capable to create a data warehouse and to process raw data.
CO504.3.3	Able to apply basic classification, clustering on a set of data
CO504.3.4	Able to identify frequent data items and to apply association rule on a set of data.
CO504.3.5	To learn recent trends of data mining such as web mining
BTECH_CSE-505P Professional Skills Lab-I	
CO505.1	List various tags in HTML, DHTML and use these, apply Cascaded style sheet to create web page.
CO505.2	Understand and evaluate web application architecture, technologies and Frameworks.
CO505.3	Apply the knowledge of web technology in developing web applications.
CO505.4	Develop an interactive web application using ASP.NET.
CO505.5	Evaluate different solutions in field of web application development.
BTECH_CSE-506T Effective Technical Communication	
CO506.1	Acquire knowledge of structure of language.
CO506.2	Able to face competitive exams and the interview process and can become employable
CO506.3	Develop business writing skills.

CO506.4	Become familiar with technology enabled communication and can develop technical and scientific writing skills.
CO506.5	Students have better reading comprehension, pronunciation, and functional English grammar.
BTECH_CSE-507T Yoga & Meditation (Audit Course)	
CO507.1	Learn the rules, fundamentals, skills & strategies of Yoga
CO507.2	Teach various asanas(postures)using hatha yoga & the Iyengar method
CO507.3	Learn breathing techniques
CO507.4	Improve strength, flexibility and the sense of well- being
CO507.5	Increase relaxation of body and soul
Sixth Semester	
BTECH_CSE-601T Compiler Design	
CO601.1	Define the Compiler along with phases and basic programs in LEX.
CO601.2	Develop programs for various kinds of the Parsers.
CO601.3	Write Simple programs related to Type Checking Parameter Passing and Overloading.
CO601.4	Implement the concepts of code Optimizations and Code Generations.
CO601.5	Provide the Case Studies of Object-Oriented Compilers
BTECH_CSE-601P Compiler Design Lab	
CO601.1	Generate scanner and parser from formal specification.
CO601.2	Generate top down and bottom up parsing tables using Predictive parsing, SLR and LR Parsing Techniques
CO601.3	Apply the knowledge of YACC to syntax directed translations for generating intermediate code-3address code
CO601.4	Build a code generator using different intermediate codes and optimize the target code.
CO601.5	Generate scanner and parser from formal specification.
BTECH_CSE-602.3T Elective-II: Clustering & Cloud Computing	
CO602.3.1	Understand the different Cloud Computing environment.
CO602.3.2	Analyze virtualization technology and install virtualization software
CO602.3.3	Use appropriate data storage technique on Cloud, based on Cloud application
CO602.3.4	Apply security in cloud applications
CO602.3.5	Use advance techniques in Cloud Computing
BTECH_CSE-603.2T Elective-III: Distributed Operating Systems	
CO603.2.1	Learn the principles, architecture, algorithms and programming models used in distributed system.
CO603.2.2	Understand the core concepts of Distributed systems.
CO603.2.3	Design and implementation of sample distributed system, using different algorithm.
CO603.2.4	Understand the Distributed file system, Architecture and Mechanism.
CO603.2.5	Analyze the distributed scheduling, Issues in load distributing, Components of Load Distributing Algorithm.
BTECH_CSE-604.3T Open Elective 1: Block-Chain Technologies	
CO604.3.1	Understand the emerging abstract models for block chain technology.
CO604.3.2	Analyze the concept of crypto currency and mathematical background behind it.
CO604.3.3	Apply the tools for understanding the background of bitcoins.
CO604.3.4	Identify major research challenges and technical gaps existing between theory and practice in crypto currency domain.

CO604.3.5	Understanding of latest advances and its application in Block chain technology.
BTECH_CSE-605P Professional Skills Lab-II	
CO605.1	Understand the basic concepts of Python through small exercises.
CO605.2	Develop the fundamentals of ML knowledge representation, inference.
CO605.3	Apply the fundamentals of Supervised Learning in ML.
CO605.4	Apply the fundamentals of Un-Supervised Learning in ML.
CO605.5	Understand the basic concepts of Python through small exercises.
BTECH_CSE-606P Hardware Lab	
CO606.1	Identify various components of a system.
CO606.2	Assemble the computer
CO606.3	Use various Microsoft tools
CO606.4	To enhance the research activities in different application areas.
BTECH_CSE-607P Mini Project	
CO607.1	Acquire practical knowledge within the chosen area of technology. Analyze the area and find the requirement with systematic approach.
CO607.2	Contribute as an individual in a team to development technical projects.
CO607.3	Understand the paper writing skill in IEEE paper format and develop effective communication skills for presentation of project work.
CO607.4	Prepare a report on developed project.
BTECH_CSE-608T Economics of IT Industry	
CO608.1	Learn the different types of economics models with the concept of elasticity of demand and various factors of recession
CO608.2	Learn the concept of various intensive and digital economy with business cycles impact on economics.
CO608.3	Understand the Merger and Acquisition concept with the challenges of E-Waste management.
CO608.4	Adapt various funding source in economy with 5 level maturity model of IT industry.
BTECH_CSE-609T Intellectual Property Rights (Audit Course)	
CO609.1	Understand fundamental aspects of Intellectual property Rights
CO609.2	Apply knowledge on patents, patent regime in India and abroad and registration aspects
CO609.3	Capable of getting copyrights and its related rights and registration aspects
CO609.4	Capable of getting trademarks and registration aspects
CO609.5	Apply knowledge on Design, Geographical Indication (GI), Plant Variety and Layout Design
Seventh Semester	
BTECH_CSE-701T Cryptography and Network Security	
CO701.1	Acquire knowledge about security goals, background of cryptographic mathematics and identification of its application
CO701.2	Understand, analyze and implement – the symmetric key algorithm
CO701.3	Acquire knowledge about the background of mathematics of asymmetric key cryptography and understand and analyze – asymmetric key encryption algorithms, digital signatures
CO701.4	Analyze the concept of message integrity and the algorithms for checking the integrity of data.
CO701.5	Understand and analyze the existing cryptosystem used in networking.
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BTECH_CSE-702T Elective-IV: Deep Learning	
CO702.1	Understand basic of deep learning algorithms.
CO702.2	Represent feedforward Neural Network
CO702.3	Evaluate the performance of different deep learning models with respect to the optimization, bias variance trade-off, overfitting and underfitting.
CO702.4	Apply the convolution networks in context with real world problem solving.
CO702.5	Apply recurrent neural networks in context with real world problem solving.
BTECH_CSE-703T Elective-V: Mobile Computing	
CO703.1	Understand the basic concepts of Wireless Communication with Cellular system.
CO703.2	Learn about GSM System with Cell layout, Radio, Network Switching and Operation subsystem, HLR & VLR.
CO703.3	Learn Wireless LAN with its Architecture and MAC Layer.
CO703.4	Learn Mobile IP, Dynamic Host Configuration Protocol, Mobile Ad hoc Networks.
CO703.5	Learn about TCP over Wireless Networks. with Wireless Application protocol.
BTECH_CSE-704T Open Elective II: Java Programming	
CO704.1	Understand the fundamentals of Java programming language and its application in software development.
CO704.2	Implement Java programming constructs such as variables, operators, control statements, loops, and arrays.
CO704.3	Design and implement object-oriented programs using inheritance, polymorphism, encapsulation, and abstraction concepts in Java.
CO704.4	Create and use classes, objects, and methods in Java programs.
CO704.5	Handle exceptions and use input/output techniques in Java programs.
BTECH_CSE-705T Project & Seminar	
CO705.1	Get a fundamental understanding of Cyber and Information Security and applying the concept of Information Security
CO705.2	Designing the concepts of conventional Encryption.
CO705.3	Analysis of various Algorithms and its efficiency.
CO705.4	Implementation of protection and security mechanisms using security tools.
BTECH_CSE-706T Research Methodology (Audit Course)	
CO706.1	Demonstrate the ability to choose methods appropriate to research aims and objectives.
CO706.2	Understand the limitations of particular research methods.
CO706.3	Develop skills in qualitative and quantitative data analysis and presentation.
CO706.4	Develop advanced critical thinking skills.
CO706.5	Demonstrate enhanced writing skills.
Eighth Semester	
BTECH_CSE-801T Industry Project/Project	
CO801.1	Identify skills and capabilities that intersect effectively with the needs of industry.
CO801.2	Apply and practice good communication skills in the workplace setting.
CO801.3	Reflect and evaluate on experiences that might lead to future employment.
CO801.4	Report research findings in written and verbal forms.
CO801.5	Demonstrate and apply research skills to complete a project.

BTECH_CSE-802T GPU Architectures and Programming	
CO802.1	Understand conventional CPU architectures, their extensions for single instruction multiple data processing
CO802.2	Program in CUDA about data space & synchronization.
CO802.3	Apply optimization on kernals, threads etc.
CO802.4	Learn basics of OpenCL.
CO802.5	Design an application using neural networks.
BTECH_CSE-803T Blockchain and its Applications	
CO803.1	Understand basic crypto primitives.
CO803.2	Understand elements and evolution of blockchain.
CO803.3	Understand consensus in permissionless and permissioned models.
CO803.4	Hands on ethereum smart contracts and hyperledgers
CO803.5	Perform decentralized identity management, interoperability.



Dr.A.A.Jaiswal
HOD-CSE