

Department of Computer Science and Engineering
Course Outcomes (2023-24)

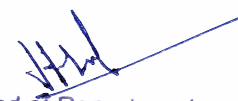
Year	2nd	Semester	3rd
Subject Name	Sensor and Instrumentation	Subject Code/ NBA Code	BOE305/C201
S. No.	Course Outcomes (CO)		
CO 1	Apply the use of sensors for measurement of displacement, force and pressure.		
CO 2	Employ commonly used sensors in industry for measurement of temperature, Position, accelerometer, vibration sensor, flow and level.		
CO 3	Demonstrate the use of virtual instrumentation in automation industries.		
CO 4	Identify and use data acquisition methods.		
CO 5	AComprehend intelligent instrumentation in industrial automation.		

Year	2nd	Semester	3rd
Subject Name	Technical Communication	Subject Code/ NBA Code	BAS301/C202
S. No.	Course Outcomes (CO)		
CO 1	Students will be able to UNDERSTAND the nature and objective of Technical Communication relevant for the work place as Engineers		
CO 2	Students will be able to DEVELOP an understanding of key concepts of writing, designing and speaking		
CO 3	Students will be able to UTILIZE the technical writing skills for the purposes of technical communication and its exposure in various dimensions.		
CO 4	Students will be able BUILD UP interpersonal communication traits that will make the transition from institution to workplace smoother and help them to		
CO 5	Students will be able to APPLY technical communication to build their personal brand and handle crisis communication.		


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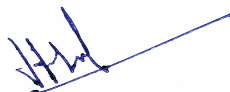
Year	2nd	Semester	3rd
Subject Name	Data Structures	Subject Code/ NBA Code	BCS-301/C203
S. No.	Course Outcomes (CO)		
CO 1	To Describe how arrays, linked lists, stacks, queues, trees, and graphs are represented in memory, used by the algorithms and their common applications.		
CO 2	To Discuss the computational efficiency of the sorting and searching algorithms.		
CO 3	To Implement Trees and Graphs and perform various operations on these data structures.		
CO 4	To Understanding the concept of recursion, application of recursion and its implementation and removal of recursion.		
CO 5	To Identify the alternative implementations of data structures with respect to its performance to solve a real-world problem.		

Year	2nd	Semester	3rd
Subject Name	Computer Organization & Architecture	Subject Code/ NBA Code	BCS-302/C204
S. No.	Course Outcomes (CO)		
CO 1	Study of the basic structure and operation of a digital computer system.		
CO 2	Analysis of the design of arithmetic & logic unit and understanding of the fixed point and floating-point arithmetic operations		
CO 3	Implementation of control unit techniques and the concept of Pipelining.		
CO 4	Understanding the hierarchical memory system, cache memories and virtual memory.		
CO 5	Understanding the different ways of communicating with I/O devices and standard I/O		


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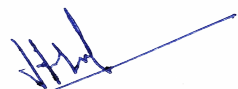
Year	2nd	Semester	3rd
Subject Name	Discrete Structures and Theory of Logic	Subject Code/ NBA Code	BCS-303/C205
S. No.	Course Outcomes (CO)		
CO 1	Acquire Knowledge of sets and relations for solving the problems of POSET and lattices.		
CO 2	Apply fundamental concepts of functions and Boolean algebra for solving the problems of logical		
CO 3	Employ the rules of propositions and predicate logic to solve the complex and logical problems.		
CO 4	Explore the concepts of group theory and their applications for solving the advance technological		
CO 5	Illustrate the principles and concepts of graph theory for solving problems related to computer science.		

Year	2nd	Semester	3rd
Subject Name	Python Programming	Subject Code/ NBA Code	BCCC302/C206
S. No.	Course Outcomes (CO)		
CO 1	Interpret the fundamental Python syntax and semantics and be fluent in the use of Python control flow statements		
CO 2	Express proficiency in the handling strings and functions.		
CO 3	Determine the methods to create and manipulate python programs by utilizing the data structure like list, dictionaries , tuples and sets		
CO 4	Identify the commonly used operations involving the file systems and regular expressions.		
CO 5	Articulate the object oriented programmings such that encapsualtion, inheritance polymorphism used in python.		


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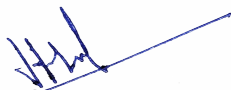
Year	2nd	Semester	3rd
Subject Name	Data Structures Using C Lab	Subject Code/ NBA Code	BCS351/C213
S. No.	Course Outcomes (CO)		
CO 1	To implement various operations on arrays and linked lists.		
CO 2	To implement various linear as well as non linear data structures using static and dynamic memory methods.		
CO 3	To implement various searching and sorting methods.		

Year	2nd	Semester	3rd
Subject Name	Computer Organization and Architecture Lab	Subject Code/ NBA Code	BCS352/C214
S. No.	Course Outcomes (CO)		
CO 1	Design and implement basic logic gates, Binary code conversions. Implementing 3-8 line DECODER and Implementing MULTIPLEXERS. Implementing HALF adder/subtractor and FULL Adder /Subtractor using basic logic gates		
CO 2	Verify the excitation tables of various FLIP-FLOPS		
CO 3	Design of an 8-bit Input/ Output system with four 8-bit Internal Registers.Design of an 8- bit ARITHMETIC LOGIC UNIT , Design and Implement SISO and SIPO		
CO 4	Write an algorithm and program to perform matrix multiplication of two n * n matrices on the 2-D mesh SIMD model, Hypercube SIMD Model or		
CO 5	Study of Scalability for Single Board, Multi-board, multicore, multiprocessor using Simulator.		


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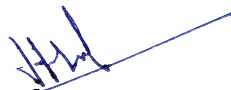
Year	2nd	Semester	3rd
Subject Name	Web Designing Workshop	Subject Code/ NBA Code	BCS353/C215
S. No.	Course Outcomes (CO)		
CO 1	Analyze a web page and identify its elements, attributes and create static pages using HTML.		
CO 2	Create web pages using Cascading Style Sheets (CSS).		
CO 3	Apply Java Script validations on web page.		

Year	2nd	Semester	3rd
Subject Name	Mini Project	Subject Code/ NBA Code	BCC351/C216
S. No.	Course Outcomes (CO)		
CO 1	Developing a technical artifact requiring new technical skills and effectively utilizing a new software tool to complete a task		
CO 2	Writing requirements documentation, Selecting appropriate technologies, identifying and creating appropriate test cases for system.		
CO 3	Demonstrating understanding of professional customs & practices and working with professional standards.		
CO 4	Improving problem-solving, critical thinking skills and report writing		
CO 5	Learning professional skills like exercising leadership, behaving professionally, behaving ethically, listening effectively, participating as a member of a team, developing appropriate workplace attitudes.		


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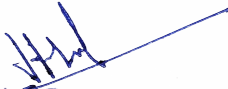
Year	2nd	Semester	4th
Subject Name	Math IV	Subject Code/ NBA Code	BAS403/C 207
S. No.	Course Outcomes (CO)		
CO 1	Remember the concept of partial differential equations and solve partial differential equations.		
CO 2	Analyze the method of separation of variables and Fourier transform to evaluate partial differential equations.		
CO 3	Understand the concept of moments, curve fitting, correlation and regression.		
CO 4	Remember the concept of probability to evaluate probability distributions.		
CO 5	Apply the concept of hypothesis testing and statistical quality control to create control charts.		

Year	2nd	Semester	4th
Subject Name	Universal Human Values	Subject Code/ NBA Code	BVE401/C 208
S. No.	Course Outcomes (CO)		
CO 1	Understand the significance of value inputs in a classroom, distinguish between values and skills, understand the need, basic guidelines, content and process of value education, explore the meaning of happiness and prosperity and do a correct appraisal of the current scenario in the society.		
CO 2	Distinguish between the Self and the Body, understand the meaning of Harmony in the Self the Co-existence of Self and Body.		
CO 3	Understand the value of harmonious relationship based on trust, respect and other naturally acceptable feelings in human-human relationships and explore their role in ensuring a harmonious society		
CO 4	Understand the harmony in nature and existence, and work out their mutually fulfilling participation in the nature.		
CO 5	Distinguish between ethical and unethical practices, and start working out the strategy to actualize a harmonious environment wherever they work.		


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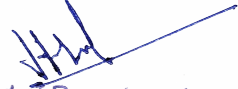
Year	2nd	Semester	4th
Subject Name	Operating Systems	Subject Code/ NBA Code	BCS401/C 209
S. No.	Course Outcomes (CO)		
CO 1	Understand the structure and functions of OS		
CO 2	Learn about Processes, Threads and Scheduling algorithms.		
CO 3	Understand the principles of concurrency and Deadlocks		
CO 4	Learn various memory management scheme		
CO 5	Study I/O management and File systems.		

Year	2nd	Semester	4th
Subject Name	Theory of Automata and Formal Languages	Subject Code/ NBA Code	BCS402/ C210
S. No.	Course Outcomes (CO)		
CO 1	Analyse and design finite automata, pushdown automata, Turing machines, formal languages, and grammars		
CO 2	Analyse and design, Turing machines, formal languages, and grammars		
CO 3	Demonstrate the understanding of key notions, such as algorithm, computability, decidability, and complexity through problem solving		
CO 4	Prove the basic results of the Theory of Computation.		
CO 5	State and explain the relevance of the Church-Turing thesis		


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Year	2nd	Semester	4th
Subject Name	Object Oriented Programming in Java	Subject Code/ NBA Code	BCS403/ C 211
S. No.	Course Outcomes (CO)		
CO 1	Develop Object-Oriented Programming Concepts using Java		
CO 2	Implement exception handling, file handling, and multi-threading in Java		
CO 3	Apply new java features to build java programs.		
CO 4	Analyse java programs with Collection Framework		
CO 5	Test web and RESTful Web Services with Spring Boot using Spring Framework		

Year	2nd	Semester	4th
Subject Name	Operating Systems Lab	Subject Code/ NBA Code	BCS451/C217
S. No.	Course Outcomes (CO)		
CO 1	Understand the structure and functions of OS		
CO 2	Learn about Processes, Threads and Scheduling algorithms.		
CO 3	Understand the principles of concurrency and Deadlocks		


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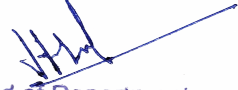
Year	2nd	Semester	4th
Subject Name	Object Oriented Programming in Java Lab	Subject Code/ NBA Code	BCS452/ C 218
S. No.	Course Outcomes (CO)		
CO 1	Write and execute Java Programs using OOPS concepts on Different Platform		
CO 2	Implement error handling techniques using exceptions and multithreading.		
CO 3	Create and Construct Java Programs using Packages and Industry Naming Conventions.		
CO 4	Implement Test RESTful web services and Test Frontend web application with Spring Boot.		

Year	2nd	Semester	4th
Subject Name	Cyber Security Workshop	Subject Code/ NBA Code	BCS453/C 219
S. No.	Course Outcomes (CO)		
CO 1	Analysis of Packet using Wire Shark		
CO 2	Analyse network traffic and detect suspicious activity.		
CO 3	Analyse captured traffic to do malware traffic analysis		
CO 4	Capture and Analyse the packets for password sniffing.		
CO 4	Analyse the captured packets for ARP Poisoning Attack.		

Year	2nd	Semester	4th
Subject Name	Cyber Security	Subject Code/ NBA Code	BCC401/ C 212
S. No.	Course Outcomes (CO)		
CO 1	Understand the basic concepts of cyber security and cybercrimes.		
CO 2	Understand the security policies and cyber laws.		
CO 3	Understand the tools and methods used in cyber crime.		
CO 4	Understand the concepts of cyber forensics.		
CO 5	Understand the cyber security policies and cyber laws.		

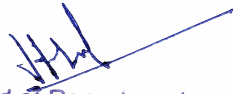

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Year	2nd	Semester	4th
Subject Name	Sport and Yoga -II	Subject Code/ NBA Code	BVE451/ C 220
S. No.	Course Outcomes (CO)		
CO 1	To maintain their mental and physical wellness upright and develop ability in them to cope up with the stress arising in the life.		
CO 2	To create space in the curriculum to nurture the potential of the students in sports/games/yoga		
CO 3	To take forward the previous course on the topic to next advance level in terms of practice and specialization		


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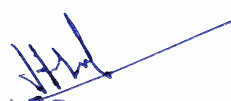
Year	3rd	Semester	5th
Subject Name	Database Management System	Subject Code/ NBA Code	KCS501/C 301
S. No.	Course Outcomes (CO)		
CO 1	Apply knowledge of database for real life applications.		
CO 2	Apply query processing techniques to automate the real time problems of databases.		
CO 3	Identify and solve the redundancy problem in database tables using normalization.		
CO 4	Understand the concepts of transactions, their processing so they will familiar with broad range of database management issues including data integrity, security and recovery.		
CO 5	Design, develop and implement a small database project using database tools		

Year	3rd	Semester	5th
Subject Name	Compiler Design	Subject Code/ NBA Code	KCS502/ C 302
S. No.	Course Outcomes (CO)		
CO 1	Acquire knowledge of different phases and passes of the compiler and also able to use the compiler tools like LEX, YACC, etc. Students will also be able to design different types of compiler tools to meet the requirements of the realistic constraints of compilers.		
CO 2	Understand the parser and its types i.e. Top-Down and Bottom-up parsers and construction of LL, SLR, CLR, and LALR parsing table		
CO 3	Implement the compiler using syntax-directed translation method and get knowledge about the synthesized and inherited attributes		
CO 4	Acquire knowledge about run time data structure like symbol table organization and different techniques used in that		
CO 5	Understand the target machine's run time environment, its instruction set for code generation and techniques used for code optimization		


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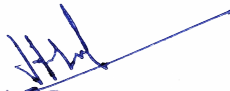
Year	3rd	Semester	5th
Subject Name	Design and Analysis of Algorithm	Subject Code/ NBA Code	KCS503/ C 303
S. No.	Course Outcomes (CO)		
CO 1	Understand the process of analysing the Time and Space complexity of algorithms. Sorting problems will be evaluated for time and space complexity.		
CO 2	Understand and apply the concepts Advance data structures like Red- Black Trees, B- Trees, Binomial Heaps, Fibonacci Heaps, etc.		
CO 3	Apply the Divide & conquer design strategy to various problems. Understanding the difference between Divide & Conquer& Dynamic programming design		
CO 4	Understanding and applying the concepts of Greedy programming, Back Tracking & Branch & Bound algorithm design approaches to problems of real		
CO 5	Understand the concepts of applying the Non-Deterministic and approximation approach to complex problems		

Year	3rd	Semester	5th
Subject Name	Object Oriented System Design	Subject Code/ NBA Code	KCS053/ C 304
S. No.	Course Outcomes (CO)		
CO 1	Understand the application development and analyze the insights of object-oriented programming to implement application		
CO 2	Understand, analyze and apply the role of overall modeling concepts (i.e. System, structural)		
CO 3	Understand, analyze and apply oops concepts (i.e. abstraction, inheritance)		
CO 4	Understand the basic concepts of C++ to implement the object-oriented concepts		
CO 5	To understand the object-oriented approach to implement real world problem.		


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Year	3rd	Semester	5th
Subject Name	Applications of Soft Computing	Subject Code/ NBA Code	KCS056/C 305
S. No.	Course Outcomes (CO)		
CO 1	Recognize the feasibility of applying a soft computing methodology for a particular problem.		
CO 2	Understand the concepts and techniques of soft computing and foster their abilities in designing and implementing soft computing based solutions for real-world and engineering problems.		
CO 3	Apply neural networks to pattern classification and regression problems and compare solutions by various soft computing approaches for a given problem.		
CO 4	Apply fuzzy logic and reasoning to handle uncertainty and solve engineering problems.		
CO 5	Apply genetic algorithms to combinatorial optimization problems.		

Year	3rd	Semester	5th
Subject Name	Constitution of India, Law and Engineering	Subject Code/ NBA Code	KNC501/ C 306
S. No.	Course Outcomes (CO)		
CO 1	To acquaint the students with legacies of constitutional development in India and help them to understand the most diversified legal document of India and		
CO 2	To make students aware of the theoretical and functional aspects of the Indian Parliamentary System natural resources and possible way for conservation.		
CO 3	To channelize student's thinking towards basic understanding of the legal concepts and its implications for engineers.		
CO 4	To acquaint students with latest intellectual property rights and innovation environment with related regulatory framework.		
CO 5	To make students learn about role of engineering in business organizations and e-governance.		


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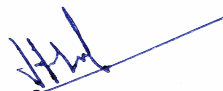
Year	3rd	Semester	5th
Subject Name	Database Management System Lab	Subject Code/ NBA Code	KCS551/ C 313
S. No.	Course Outcomes (CO)		
CO 1	Understand and apply oracle 11 g products for creating tables, views, indexes, sequences and other database objects.		
CO 2	Design and implement a database schema for company data base, banking data base, library information system, payroll processing system, student information		
CO 3	Write and execute simple and complex queries using DDL, DML, DCL and TCL		
CO 4	Write and execute PL/SQL blocks, procedure functions, packages and triggers, cursors. K4, K5constraints on database.		
CO 5	Enforce entity integrity, referential integrity, key constraints, and domain		

Year	3rd	Semester	5th
Subject Name	Compiler Design Lab	Subject Code/ NBA Code	KCS552/ C 314
S. No.	Course Outcomes (CO)		
CO 1	Identify tokens from a given expression by constructing lexical analyzer		
CO 2	Implementation of NFA in a Regular expression		
CO 3	Examine compiler construction tool Yacc for string (id+id*id) using shift reduce parsing technique		
CO 4	Execute code generator by generating machine language		
CO 5	Interpret code optimization technique for a given codes		


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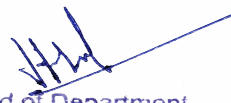
Year	3rd	Semester	5th
Subject Name	Design and Analysis of Algorithm Lab	Subject Code/ NBA Code	KCS553/ C 315
S. No.	Course Outcomes (CO)		
CO 1	Implement algorithm to solve problems by iterative approach.		
CO 2	Implement algorithm to solve problems by divide and conquer approach		
CO 3	Implement algorithm to solve problems by Greedy algorithm approach.		
CO 4	Implement algorithm to solve problems by Dynamic programming, backtracking, branch and bound approach		
CO 5	Implement algorithm to solve problems by branch and bound approach.		

Year	3rd	Semester	5th
Subject Name	Mini Project OR Internship Assessment	Subject Code/ NBA Code	KCS554/ C 316
S. No.	Course Outcomes (CO)		
CO 1	Developing a technical artifact requiring new technical skills and effectively utilizing a new software tool to complete a task		
CO 2	Writing requirements documentation, Selecting appropriate technologies, identifying and creating appropriate test cases for systems.		
CO 3	Demonstrating understanding of professional customs & practices and working with professional standards.		
CO 4	Improving problem-solving, critical thinking skills and report writing.		
CO 5	Learning professional skills like exercising leadership, behaving professionally, behaving ethically, listening effectively, participating as a member of a team, developing appropriate		


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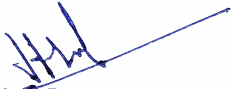
Year	3rd	Semester	6th
Subject Name	Software Engineering	Subject Code/ NBA Code	KCS601/C 307
S. No.	Course Outcomes (CO)		
CO 1	Explain various software characteristics and analyze different software Development Models.		
CO 2	Demonstrate the contents of a SRS and apply basic software quality assurance practices to ensure that design, development meet or exceed applicable		
CO 3	Compare and contrast various methods for software design		
CO 4	Formulate testing strategy for software systems, employ techniques such as unit testing, Test driven development and functional testing.		
CO 5	Manage software development process independently as well as in teams and make use of Various software management tools for development, maintenance and analysis.		

Year	3rd	Semester	6th
Subject Name	Web Technology	Subject Code/ NBA Code	KCS602/ C 308
S. No.	Course Outcomes (CO)		
CO 1	Explain web development Strategies and Protocols governing Web.		
CO 2	Develop Java programs for window/web-based applications.		
CO 3	Design web pages using HTML, XML, CSS and JavaScript.		
CO 4	Creation of client-server environment using socket programming .		
CO 5	Building enterprise level applications and manipulate web databases using JDBC.		
CO 6	Design interactive web applications using Servlets and JSP.		


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Year	3rd	Semester	6th
Subject Name	Computer Network	Subject Code/ NBA Code	KCS603/ C 309
S. No.	Course Outcomes (CO)		
CO 1	Explain basic concepts, OSI reference model, services and role of each layer of OSI model and TCP/IP, networks devices and transmission media, Analog and digital data transmission		
CO 2	Apply channel allocation, framing, error and flow control techniques.		
CO 3	Describe the functions of Network Layer i.e. Logical addressing, subnetting & Routing Mechanism		
CO 4	Explain the different Transport Layer function i.e. Port addressing, Connection Management,		
CO 5	Explain the functions offered by session and presentation layer and their Implementation.		
CO 6	Explain the different protocols used at application layer i.e. HTTP, SNMP, SMTP, FTP, TELNET and VPN.		

Year	3rd	Semester	6th
Subject Name	Big Data	Subject Code/ NBA Code	KCS061/ C 310
S. No.	Course Outcomes (CO)		
CO 1	Demostrate Knowledge of Big Data Analytics and its application in business.		
CO 2	Demostrate functions and components of Map Reduce framework and HDFS.		
CO 3	Discuss data management concept in NOSQL environment.		
CO 4	Explain process of developing Map Reduce based distributed processing		
CO 5	Explain process of developing applications using Hbase , Hive ,Pig etc.		


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Year	3rd	Semester	6th
Subject Name	Embedded System	Subject Code/ NBA Code	KOE062/ C311
S. No.	Course Outcomes (CO)		
CO 1	Understand the basics of embedded system and its structural units.		
CO 2	Analyze the embedded system specification and develop software programs.		
CO 3	Evaluate the requirements of the programming embedded systems, related software architecture.		
CO 4	Understand the RTOS based embedded system design.		
CO 5	Understand all the applications of the embedded system and designing issues.		

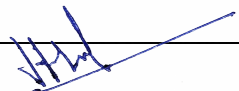
Year	3rd	Semester	6th
Subject Name	Indian Tradition, Culture, and Society	Subject Code/ NBA Code	KNC 602/ C312
S. No.	Course Outcomes (CO)		
CO 1	Identify and explore the basic features and modalities about Indian constitution.		
CO 2	Differentiate and relate the functioning of Indian parliamentary system at the center and state level.		
CO 3	Differentiate different aspects of Indian Legal System and its related bodies.		
CO 4	Discover and apply different laws and regulations related to engineering		
CO 5	Correlate role of engineers with different organizations and governance models		


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Year	3rd	Semester	6th
Subject Name	Software Engineering Lab	Subject Code/ NBA Code	KCS651/ C 317
S. No.	Course Outcomes (CO)		
CO 1	Identify ambiguities, inconsistencies and incompleteness from a requirements specification and state functional and non-functional requirement		
CO 2	Identify different actors and use cases from a given problem statement and draw use case diagram to associate use cases with different types of relationship		
CO 3	Draw a class diagram after identifying classes and association among them		
CO 4	Graphically represent various UML diagrams , and associations among them and identify the logical sequence of activities undergoing in a system, and represent them pictorially		
CO 5	Able to use modern engineering tools for specification, design, implementation and testing		

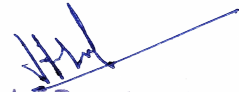
Year	3rd	Semester	6th
Subject Name	Web Technology Lab	Subject Code/ NBA Code	KCS652/ C 318
S. No.	Course Outcomes (CO)		
CO 1	Develop static web pages using HTML		
CO 2	Develop Java programs for window/web-based applications.		
CO 3	Design dynamic web pages using JavaScript and XML.		
CO 4	Design dynamic web page using server site programming Ex. ASP/JSP/PHP.		
CO 5	Design server site applications using JDDC, ODBC and session tracking API.		

Year	3rd	Semester	6th
Subject Name	Computer Network Lab	Subject Code/ NBA Code	KCS653/ C 319
S. No.	Course Outcomes (CO)		
CO 1	Simulate different network topologies.		
CO 2	Implement various framing methods of Data Link Layer.		
CO 3	Implement various Error and flow control techniques.		
CO 4	Implement network routing and addressing techniques.		
CO 5	Implement transport and security mechanisms		


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Year	4th	Semester	7th
Subject Name	Rural Development Adm & Planning	Subject Code/ NBA Code	KHU701/C 401
S. No.	Course Outcomes (CO)		
CO 1	Students can understand the definitions, concepts and components of Rural Development.		
CO 2	Students will know the importance, structure, significance, resources of Indian rural economy.		
CO 3	Students will have a clear idea about the area development programmes and its impact.		
CO 4	Students will be able to acquire knowledge about rural entrepreneurship.		
CO 5	Students will be able to understand about the using of different methods for human resource planning.		

Year	4th	Semester	7th
Subject Name	Renewable Energy Resource	Subject Code/ NBA Code	KOE074/ C 402
S. No.	Course Outcomes (CO)		
CO 1	Create awareness among the students about Non-Conventional sources of energy technologies . Discuss energy sCenario in india.		
CO 2	Discuss the availability of solar energy and evaluate performance of solar collectors.		
CO 3	Explain the possibility of Geothermal energy with availble site locations in india and discuss the principles of fuel cells.		
CO 4	Understand heat energy conservation technique into electrical energy and discuss principle of wind energy with its performance.		
CO 5	Explain biomass, wave energy, OTEC energy and tidal energy.		


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Year	4th	Semester	7th
Subject Name	Natural Language Processing	Subject Code/ NBA Code	KCS072/ C 403
S. No.	Course Outcomes (CO)		
CO 1	To learn the fundamentals of Natural Language Processing.		
CO 2	To understand the use of CFG and PCFG in NLP.		
CO 3	To understand the role of semantics of sentences and pragmatic.		
CO 4	To introduce Speech Production and related parameters of speech.		
CO 5	To show the computation and use of techniques such as short time fourier Transform, Linear Predictive Coefficients and other coefficients in the analysis of speech.		

Year	4th	Semester	7th
Subject Name	Cloud Computing	Subject Code/ NBA Code	KCS713/ C 404
S. No.	Course Outcomes (CO)		
CO 1	Describe architecture and underlying principles of cloud computing.		
CO 2	Explain need, types and tools of Virtualization for cloud.		
CO 3	Describe Services Oriented Architecture and various types of cloud services.		
CO 4	Explain Inter cloud resources management cloud storage services and their providers Assess security services and standards for cloud computing.		
CO 5	Analyze advanced cloud technologies.		


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Year	4th	Semester	7th
Subject Name	Cloud Computing Lab	Subject Code/ NBA Code	KCS751A/ C 408
S. No.	Course Outcomes (CO)		
CO 1	Developing a technical artifact requiring new technical skills and effectively utilizing a new software tool to complete a program.		
CO 2	Writing requirements documentation, Selecting appropriate technologies, identifying and creating appropriate test cases for programming.		
CO 3	Demonstrating understanding of learning web applications and services.		
CO 4	Improving problem-solving, critical thinking skills and programming.		
CO 5	Learning professional programming to develop appropriate simulation cloud scenario.		

Year	4th	Semester	7th
Subject Name	Mini Project or Internship Assessment	Subject Code/ NBA Code	KCS752/C 409
S. No.	Course Outcomes (CO)		
CO 1	Developing a technical artifact requiring new technical skills and effectively utilizing a new software tool to complete a task		
CO 2	Writing requirements documentation, Selecting appropriate technologies, identifying and creating appropriate test cases for systems.		
CO 3	Demonstrating understanding of professional customs & practices and working with professional standards.		
CO 4	Improving problem-solving, critical thinking skills and report writing.		
CO 5	Learning professional skills like exercising leadership, behaving professionally, behaving ethically, listening effectively, participating as a member of a team, developing appropriate workplace attitudes.		


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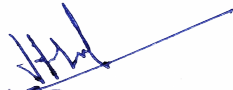
Year	4th	Semester	7th
Subject Name	Project	Subject Code/ NBA Code	KCS753/C 410 KCS 851/ C411
Course			
CO 1	Analyze and understand the real life problem and apply their knowledge to get programming solution.		
CO 2	Engage in the creative design process through the integration and application of diverse technical knowledge and expertise to meet customer needs and address social issues.		
CO 3	Use the various tools techniques, coding practices for developing real life solution to the problem.		
CO 4	Find out the errors in software solutions and establishing the process to design maintainable software application.		
CO 5	Write the report about what they are doing in the Project and learning the team working skills.		

Year	4th	Semester	8th
Subject Name	Project Management & Entrepreneurship	Subject Code/ NBA Code	KHU802 /C 405
S. No.	Course Outcomes (CO)		
CO 1	Understand the basics of entrepreneurship and various factors.		
CO 2	Understand Innovation and acquire managerial skills to apply in organizational effectiveness.		
CO 3	Understand management of various projects and various types project appraisals.		
CO 4	Estimate project financing and create various projects balance sheets and financial statements		
CO 5	Understand and apply the social aspects of entrepreneurship in business or model.		


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Year	4th	Semester	8th
Subject Name	Entrepreneurship Development	Subject Code/ NBA Code	KOE-083 /C 406
S. No.	Course Outcomes (CO)		
CO 1	Understand the growth of Small scale industries in developing countries and their positions vis-a-vis large industries		
CO 2	Design assessment of liability formulation evaluation financing field study and collection of information preparation of project report		
CO 3	Realisation of planning and production control quality control marketing Industrial Relations sales and purchases advertisement		
CO 4	Aware the financial functions cost of capital approaching project management control economic Evaluation waste analysis capital expenditure		
CO 5	Understand role of various National and state Agencies which render assistance to small scale industry		

Year	4th	Semester	8th
Subject Name	Digital And Social Media Marketing	Subject Code/ NBA Code	KOE-094 / C 407
S. No.	Course Outcomes (CO)		
CO 1	Acquire the knowledge about the Digital Marketing, the various channels through which it operates, and its role in marketing strategy.		
CO 2	Gain understanding of various social media platforms and the creation of blogs.		
CO 3	Assess the best practices in digital marketing field across various markets and gain knowledge of various digital marketing tool.		
CO 4	Formulate Digital marketing Strategies for an organization.		
CO 5	Analyze the privacy, security, content and ethicality issues associated with digital and social media platforms.		


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