

Department of CSE-DS

Course Outcomes

Year	2nd		Semester	3rd
Subject N	lame	Maths-IV	Subject Code/ NBA Code	BAS-303/C 201
S. No.	Course Outcomes			
CO 1	Remember the concept of partial differential equation and to solve partial differential equations			
CO 2	Analyze the concept of partial differential equations to evaluate the problems concerned with partial differential equations			
CO 3	Understand the concept of correlation, moments, skewness and kurtosis and curve fitting.			s and curve fitting.
CO4	Remember the concept of probability to evaluate probability distributions.			
CO 5	Apply th	e concept of hypothesis testing	g and statistical quality control to	create control charts.

Head of Department CSE-Data Science ABES Institute of Technology, Ghaziabad

+ie

Year		2nd	Semester	3rd
Subject Name		Universal Human Values and Professional Ethics	Subject Code/ NBA Code	BVE-301/C 202
S.No.			Course Outcomes	
CO 1	understa	and the need, basic guideline	nputs in a classroom, distinguishes, content and process of valuand do a correct appraisal of the	e education, explore the
CO 2	Distinguish between the Self and the Body, understand the meaning of Harmony in the Self the Coexistence 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			
CO4	Understand the harmony in nature and existence, and work out their mutually fulfilling participation in the nature.			
CO 5	_	ish between ethical and unethi e a harmonious environment w	ical practices, and start working o herever they work	ut the strategy to

Year		2nd	Semester	3rd
Subject Name		Data Structure	Subject Code/ NBA Code	BCS-301/C 203
S.No.			Course Outcomes	
CO 1	Describe	linear data structures like arra	ay, linked list, stack and queue.	
CO 2	Infer design and implementation of different basic data structures.			
CO 3	Describe non-linear data structures like tree and graph and their use in various domains like networking, complier design etc.			
CO4	Examine advantages and disadvantages of various data structures for selection of efficient data structure to solve any problem.			
CO 5	Evaluate various data structures in terms of time and space complexity for handling operations like searching, insertion, deletion, traversing, sorting, merging etc.			

Year	2nd		Semester	3rd
Subject Name		Computer Organization and Architecture	Subject Code/ NBA Code	BCS-302/C 204
S. No.			Course Outcomes	
CO 1	Study of the basic structure and operation of a digital computer system.			
CO 2	Analysis of the design of arithmetic & and logic units and understanding of the fixed point and floating-point arithmetic operations.			
CO 3	Implementation of control unit techniques and the concept of Pipelining.			g.
CO4	Understanding the hierarchical memory system, cache memories, and virtual memory.			
CO 5	Underst interface		ommunicating with I/O devices a	nd standard I/O

Year		2nd	Semester	3rd
Subject Name		Discrete Structures and Theory of Logic	Subject Code/ NBA Code	BCS-303/C 205
S. No.			Course Outcomes	
CO 1	Acquire	Knowledge of sets and relatio	ns for solving the problems of PO	SET and lattices.
CO 2	Apply fundamental concepts of functions and Boolean algebra to solve the problems of logical abilities.			
CO 3	Employ the rules of propositions and predicate logic to solve complex and logical problems.			
CO4	Explore the concepts of group theory and their applications for solving advanced technological problems.			
CO 5		te the principles and concepts of ter science.	of graph theory for solving proble	ms related to

Year		2nd	Semester	3rd
Subject Name		Data Structures Using C Lab	Subject Code/ NBA Code	BCS-351/C 206
S. No.	Course Outcomes			
CO 1	Demonstrate different operations on array and linked list.			
CO 2	Execute Stack and Queue using Array and Linked List.			
CO 3	Implement Searching and Traversing algorithms of various linear and nonlinear data structures.			
CO4	Design C	programs of Bubble, Selection	n, Insertion, Quick, Merge and He	ap Sort algorithms

Year		2nd	Semester	3 rd
Subject Name		Computer Organization Lab	Subject Code/ NBA Code	BCS-352/C 207
S. No.		Со	urse Outcomes	
CO 1	Examine the output of the basic logic gates for different combinations of input.			of input.
CO 2	Design and simulate combinational circuits for binary arithmetic (such as adders, subtractors, and multipliers) and code converters. and simulate the 2-bit Arithmetic Logic Unit using logic gates.			•
CO 3	devices	Design and simulate combinational circuits for encoders/decoders and selection devices multiplexers/de-multiplexers using logic gates and simulate the basic building block of the sequential circuits (i.e., SR and D Flip Flops) using logic gates.		

Year		2nd	Semester	3rd
Subject N	lame	Web Designing Workshop	Subject Code/ NBA Code	BCS-353/C 208
S. No.	Course Outcomes			
CO 1	Acquire knowledge of designing static and dynamic web pages using HTML.			
CO 2	To learn Java Script Programming for validations in form.			
CO 3	To apply concepts of CSS for web page styling.			

Year		2nd	Semester	3rd
Subject N	lame	Python Programming	Subject Code/ NBA Code	BCC-302/C 209
S. No.			Course Outcomes	
CO 1	To read and write simple Python programs.			
CO 2	To develop Python programs with conditionals and loops.			
CO 3	To define Python functions and to use Python data structures — lists, tuples, dictionaries			
CO4	To do input/output with files in Python			
CO 5	To do searching, sorting and merging in Python			

Year		2nd	Semester	3rd
Subject N	lame	Mini Project	Subject Code/ NBA Code	BCC-351/C 210
S. No.	Course Outcomes			
CO 1	Define the problem statement and ensure its feasibility.			
CO 2	Design and develop the solution for real world problems using knowledge acquired in internship.			
CO 3	Implement the knowledge, skills and ethics of a professional engineer.			

Year		2nd	Semester	4th
Subject N	lame	Sensors and Instrumentation	Subject Code/ NBA Code	BOE-405/C 211
S. No.	Course Outcomes			
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.			
CO4	Identify and use data acquisition methods.			
CO 5	Comprel	nend intelligent instrumentatio	on in industrial automation.	

Year		2nd	Semester	4th
Subject N	lame	Technical Communication	Subject Code/ NBA Code	BAS-401/C 212
Jubject		Teermed Communication	Subject code, NBA code	57.5 401/6 212
S. No.			Course Outcomes	
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.			ses of technical
CO4	Students will be able BUILD UP interpersonal communication traits that will make the transition from institution to workplace smoother and help them to excel in their jobs			
CO 5		s will be able to APPLY technican munication.	al communication to build their p	ersonal brand and handle

Year		2nd	Semester	4th
Subject Name		Operating System	Subject Code/ NBA Code	BCS-401/C 213
S. No.			Course Outcomes	
CO 1	Understa	and the structure and function	s of OS.	
CO 2	Learn about Processes, Threads and Scheduling algorithms.			
CO 3	Understand the principles of concurrency and Deadlocks.			
CO4	Learn various memory management scheme			
CO 5	Study I/0	O management and File system	ns.	

Year		2nd	Semester	4th
Subject Name		Theory of Automata and Formal Languages	Subject Code/ NBA Code	BCS-402/C 214
S. No.			Course Outcomes	
CO 1	Understand basic concepts of automata theory and formal languages.			
CO 2	Construct finite automata and regular expressions for regular languages.			
CO 3	Construct regular and context-free grammar for formal languages.			
CO4	Construct the pushdown automata for context-free languages.			
CO 5	Construc	ct Turing machines for forn	nal languages.	

+ie

Year		2nd	Semester	4th
Subject Name		Object oriented with Java	Subject Code/ NBA Code	BCS-403/C 215
S. No.			Course Outcomes	
CO 1	Develop the object-oriented programming concepts using Java			
CO 2	Implement exception handling, file handling, and multi-threading in Java			
со з	Apply new java features to build java programs			
CO4	Analyze java programs with Collection Framework			
CO 5	Test web	and Restful Web Services wit	h Spring Boot using Spring Frame	work concepts

Year		2nd	Semester	4th
Subject N	lame	Operating System Lab	Subject Code/ NBA Code	BCS-451/C 216
S. No.	l		Course Outcomes	
CO 1	Study of hardware and software requirements of various operating systems and to implement various scheduling algorithms and file storage allocation technique.			
CO 2	To analyze and implement various Memory allocation and deadlock avoidance technique.			
CO 3	To imple	To implement classical process synchronization problems.		

Year		2nd	Semester	4th
Subject Name		Object Oriented Programming with Java	Subject Code/ NBA Code	BCS-452/C 217
S. No.			Course Outcomes	
CO 1	Understand the basics of object-oriented programming using JAVA. Apply the concept of classes, Java, and JDK Components.			
CO 2	Develop Simple Java Programs. Develop Simple Java Programs using inheritance and Exception handling.			
CO 3	Develop Multi-threading Programming and Interfaces. Develop GUI applications using Applet classes, Swing components, and Event handling programs.			

Year		2nd	Semester	4th
Subject N	lame	Cyber Security Workshop	Subject Code/ NBA Code	BCS-453/C 218
S. No.	Course Outcomes			
CO 1	To gain proficiency in analyzing network traffic at the packet level using Wireshark.			
CO 2	Learning Wireshark to detect and investigate security threats such as malware infections, intrusions, data exfiltration, and denial-of-service attacks.			
CO 3	To gain a solid understanding of fundamental web application security concepts, including common vulnerabilities such as SQL injection, cross-site scripting (XSS), cross-site request forgery (CSRF), insecure direct object references (IDOR), and others.			· · · · · · · · · · · · · · · · · · ·

tie.

Year		2nd	Semester	4th
Subject Name		Cyber Security	Subject Code/ NBA Code	BCC-401/C 219
S. No.			Course Outcomes	
CO 1	Understa	and the basic concepts of cybe	r security and cybercrimes.	
CO 2	Understand the security policies and cyber laws			
CO 3	Understand the tools and methods used in cyber crime			
CO4	Understand the concepts of cyber forensics			
CO 5	Understa	and the cyber security policies	and cyber laws	

Year	3rd		Semester	5th
Subject Name		Database Management System	Subject Code/ NBA Code	KCS 501/C 301
S. No.			Course Outcomes	
CO 1		and basic database concepts ar s of keys in creating database	nd architecture, the usage of ER d	iagram and use of the
CO 2	Construct the structure and operation of the relational data model and simple to advance database queries using Structured Query Language (SQL).			simple to advance
CO 3	Implement logical database design principles, functional dependencies and database normalization			nd database
CO4	Demonstrate the database transactions including serializability & recoverability.			
CO 5	Explain t	he concurrency control mecha	nisms, locking protocols and the	concepts of Oracle.

Year		3rd	Semester	5th
Subject Name		Introduction to Data Analytics and Visualization	Subject Code/ NBA Code	KDS 501/C 302
S. No.			Course Outcomes	
CO 1	Describe	the life cycle phases of Data A	nalytics through discovery, plann	ing and building.
CO 2	Understand and apply Data Analysis Techniques.			
CO 3	Implement various Data streams.			
CO4	Understand item sets, Clustering, frame works & Visualizations.			
CO 5	Understa	and the Data Visualizations & F	luman Vision	

Year	3rd		Semester	5th
Subject Name		Design and Analysis of Algorithm	Subject Code/ NBA Code	KCS 503/C 303
S. No.			Course Outcomes	
CO 1	_	ew algorithms, prove them connory demands.	rrect, and analyze their asymptoti	c and absolute runtime
CO 2	Find an algorithm to solve the problem (create) and prove that the algorithm solves the problem correctly (validate).			ithm solves the problem
CO 3	Understand the mathematical criterion for deciding whether an algorithm is efficient, and know many practically important problems that do not admit any efficient algorithms.			
CO4	Apply classical sorting, searching, optimization and graph algorithms.			
CO 5		and basic techniques for designed and conquer, and greedy.	ning algorithms, including the tech	nniques of recursion,

Year		3rd	Semester	5th
Subject Name		Object Oriented System and Design	Subject Code/ NBA Code	KCS 054/C 304
S. No.			Course Outcomes	
CO 1		ne application development an ent application.	d the insights of object oriented p	programming to
CO 2	Analyze and apply the role of overall modeling concepts (i.e. System, structural) .			uctural) .
CO 3	Explore the difference between various object modeling technique methodologies.			
CO4	Define the object oriented programming concepts in C++.			
CO 5	Apply ob	oject oriented paradigm concep	ots in programming in C++.	

Year		3rd	Semester	5th
Subject Name		Machine Learning Techniques	Subject Code/ NBA Code	KCS 055/C 305
S. No.			Course Outcomes	
CO 1	Discuss basic concepts of machine learning.			
CO 2	Discuss decision tree learning and artificial neural networks.			
со з	Use the basics of hypothesis and Bayesian learning.			
CO4	Explain the computational learning theory.			
CO 5	Explain t	he genetic algorithms and rein	forcement learning.	

tie.

Year		3rd	Semester	5th
Subject N	lame	Database Management Systems Lab	Subject Code/ NBA Code	KCS 551/C 306
S. No.	Course Outcomes			
CO 1	Implement various data manipulation commands.			
CO 2	Use different joins in multiple tables in the database.			
CO 3	Apply the concept of indexes, views, triggers and cursors.			

Year	3rd		Semester	5th
Subject Name		Data Analytics and Visualization Lab	Subject Code/ NBA Code	KDS-551/C 307
S. No.			Course Outcomes	
CO 1	Implement numerical and statistical analysis on various data sources			
CO 2	Implement java applet programming and scripting language for validation and authentication at client side.			
CO 3	Implement linear regression technique on numeric data for prediction			
CO4	Execute clustering and association rule mining algorithms on different datasets			
CO 5	Impleme	ent and evaluate the performar	nce of KNN algorithm on different	datasets

Year		3rd	Semester	5th
Subject N	lame	Design and Analysis of Algorithms Lab	Subject Code/ NBA Code	KCS-553/C 308
S. No.	Course Outcomes			
CO 1	Differentiate different sorting techniques and also run the program with given data.			
CO 2	Classify the different shorting path algorithm with given data.			
CO 3	Identify the greedy method using fractional method			

Year		3rd	Semester	5th
Subject Name		Mini Project and Internship Assessment	Subject Code/ NBA Code	KCS-554/C 309
S. No.			Course Outcomes	
CO 1	Define the problem statement and ensure its feasibility.			
CO 2	Design and develop the solution for real world problems using knowledge acquired in internship.			
со з	Impleme	Implement the knowledge, skills and ethics of a professional engineer.		

Year		3rd	Semester	5th
Subject Name		Constitution of India, Law and Engineering	Subject Code/ NBA Code	KNC-501/C 310
S. No.			Course Outcomes	
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 philosophy behind it.			·
CO 2	To make students aware of the theoretical and functional aspects of the Indian Parliamentary System natural resources and possible way for conservation.			Indian Parliamentary
CO 3	To channelize student's thinking towards basic understanding of the legal concepts and its implications for engineers.			al concepts and its
CO4	To acquaint students with latest intellectual property rights and innovation environment with related regulatory framework.			ion environment with
CO 5	To make	students learn about role of e	ngineering in business organization	ons and e-governance.

tie

Year		3rd	Semester	6th
Subject Name		Big Data and Analytics	Subject Code/ NBA Code	KDS-601/C 311
S. No.			Course Outcomes	
CO 1	Demonstrate knowledge of Big Data Analytics concepts and its applications in business.			
CO 2	Demonstrate functions and components of Map Reduce Framework and HDFS.			
CO 3	Discuss Data Management concepts in No SQL environment.			
CO4	Explain process of developing Map Reduce based distributed processing applications.			
CO 5	Explain p	process of developing applicati	ons using HBASE, Hive, Pig etc.	

Year		3rd	Semester	6th
Subject Name		Web Technology	Subject Code/ NBA Code	KCS-602/C 312
S. No.			Course Outcomes	
CO 1	Describe web pages, governing protocols and web projects with the description of client server computing and object oriented programming			cription of client server
CO 2	Discuss web elements, attributes of the web page and XML parsers.			
CO 3	Illustrate the use of script language in smart application programming and client server sockets related to network programming using TCP/IP.			nd client server sockets
CO4	Creation of client-server environment using socket programming.			
CO 5	-	t database connections with ja ze application development.	va applications following ACID pro	operties and bean -EJB in

Year	3rd		Semester	6th
Subject N	lame	Computer Networks	Subject Code/ NBA Code	KCS-603/C 313
S. No.	Course Outcomes			
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			ng & Routing Mechanism
CO4	Explain the different Transport Layer function i.e. Port addressing, Connection Management, Error control and Flow control mechanism. Explain the functions offered by session and presentation layer and their Implementation.			
CO 5	Explain t VPN.	he different protocols used at	application layer i.e. HTTP, SNMP	, SMTP, FTP, TELNET and

Year		3rd	Semester	6th
Subject N	lame	Software Engineering	Subject Code/ NBA Code	KDS-063/C 314
S. No.			Course Outcomes	
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 standards.			
CO 3	Compare and contrast various methods for software design			
CO4	Formulate testing strategy for software systems, employ techniques such as unit testing, Test driven development and functional testing.			h as unit testing, Test
CO 5	_	·	s independently as well as in tean or development, maintenance and	

Year		3rd	Semester	6th
Subject Name		Understanding Human Being, Nature and Existence Comprehensively	Subject Code/ NBA Code	KOE-069-601/C 315
S. No.			Course Outcomes	
CO 1	To help the students to understand the basic human aspirations and their fulfillment in the light of resolution.			
CO 2	To facilitate the competence of the students to understand the harmony of the human being in nature or existence.			e human being in nature or
CO 3	To help the students to understand the activities and potentialities of the self and reasons for harmony or contradiction in the self itself.			
CO4	To define the process of inner evolution, specifically awakening to activities of the Self: Realization, Understanding and Contemplation in the Self.			the Self: Realization,
CO 5		he students to understand differe els from self to Nature and entire	ent aspects of All-encompassing Resc Existence.	olution, leading to harmony

Year		3rd	Semester	6th
Subject N	lame	Big Data and Analytics Lab	Subject Code/ NBA Code	KCS-651/C 316
S. No.			Course Outcomes	
CO 1	Optimize business decisions and create competitive advantage with Big data analytics			data analytics
CO 2	Practice java concepts required for developing map reduce programs			
CO 3	Impart the architectural concepts of Hadoop and introducing map reduce paradigm.			e paradigm.
CO4	Practice programming tools PIG and HIVE in Hadoop eco system			
CO 5	Impleme	ent best practices for Hadoop c	development	

Year		3rd	Semester	6th
Subject Name		Web Technology Lab	Subject Code/ NBA Code	KCS-652/C 317
S. No.	Course Outcomes			
CO 1	Create forms (with validation), frames with different style using HTML/CSS/XML, and GUI for various applications.			
CO 2	Implement java applet programming and scripting language for validation and authentication at client side.			
CO 3		Execute server side program with databases using web server and develop sustainable web based applications.		

Year		3rd	Semester	6th
Subject Name		Computer Networks Lab	Subject Code/ NBA Code	KCS-653/C 318
S. No.			Course Outcomes	
CO 1	To use the packet tracer to simulate various networks, and bit stuffing in data link layer.			
CO 2	To demonstrate the algorithm to solve error detecting problems in computer networks.			outer networks.
CO 3	To implement different encryption and decryption techniques to solve problems related to confidentiality and authentication.			

Year	3rd		Semester	6th
Subject Name		Indian Tradition, Culture and Society	Subject Code/ NBA Code	KNC-602/C 319
S. No.			Course Outcomes	
CO 1	Understanding the Society, State and Polity in ancient India by digging deep into our past.			eep into our past.
CO 2	Understanding the importance of our ancient Indian literature written in different Indian languages.			n different Indian
CO 3	Sensitize students towards issues related to Indian Religion, Philosophy, and Practices			
CO4	Recognizing the science, management and Indian knowledge system and technological advancements in ancient India.			
CO 5	Understa	anding the Cultural Heritage ar	nd Performing Arts of India.	

Year		4th	Semester	7th
Subject Name		Rural Development: Administration and Planning	Subject Code/ NBA Code	KHU-701/C 401
S. No.			Course Outcomes	
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 programs and its impact.			nd its impact.
CO4	Students will be able to acquire knowledge about rural entrepreneurship.			0.
CO 5		Students will be able to understand about the using of different methods for human resource planning		

Year		4th	Semester	7th
Subject Name		Natural Language Processing	Subject Code/ NBA Code	KCS-072/C 402
S. No.			Course Outcomes	
CO 1	To learn	the fundamentals of natural la	inguage 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.			
CO4	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 N	lame	Cloud Computing	Subject Code/ NBA Code	KCS-713/C 403
S. No.			Course Outcomes	
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.			ces.
CO4	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.		

Year	4th		Semester	7th
Subject Name		Renewable Energy Resources	Subject Code/ NBA Code	KOE-074/C 404
S. No.			Course Outcomes	
CO 1	Create awareness among the students about non-conventional sources of energy technologies Discuss the energy scenario in India.			es of energy technologies.
CO 2	Discuss the availability of solar energy and evaluate performance of solar collectors.			solar collectors.
CO 3	Explain the possibilities of Geothermal energy with available site locations in India and discuss the principle of fuel cells.			tions in India and discuss the
CO4	Understand heat energy conversion technique into electrical energy and discuss the principle of wind energy with its performance			
CO 5	Understand heat energy conversion technique into electrical energy and discuss the principle of wind energy with its performance.			and discuss the principle of

Year		4th	Semester	7th
Subject Name		Cloud Computing Lab	Subject Code/ NBA Code	KCS-751A/C 405
S. No.			Course Outcomes	
CO 1	Install Virtualbox / VMware Workstation, C compiler, Google App Engine, Hadoop with different flavours of linux or windows OS.			
CO 2	Use GAE launcher, Simulate a cloud scenario using CloudSim and run a scheduling algorithm that is not present in CloudSim.			
CO 3	Find a procedure to transfer the files from one VM to another VM, launch virtual machine using trystack.			th virtual machine using

Year		4th	Semester	7th
Subject Name		Internship Assessment	Subject Code/ NBA Code	KCS-752/C 406
S. No.	Cou		Course Outcomes	
CO 1	Practice the technical and interpersonal skills in organizational hierarchy and real world scenario			and real world scenario
CO 2	Relate the knowledge with the organizational skills to practice the professionals engineering.			ssionals engineering.
CO 3	Establish the team building skills with the professional ethics for future recruitment by potential employers.			

Year	4th Semester 7th		7th	
Subject N	lame	Project	Subject Code/ NBA Code	KCS-753/C 407
S. No.			Course Outcomes	
CO 1	Analyze and understand the real life problem and apply their knowledge to get programming solution.			to get programming
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 and techniques, coding practices for developing real life solution to the problem.			
CO4	Find out the errors in software solutions and establishing the process to design maintainable software applications			
CO 5	Write th	e report about what they are o	loing in project and learning the t	eam working skills

tie.

Year		4th	Semester	8th
Subject Name		Project Management and Entrepreneurship	Subject Code/ NBA Code	KHU-802/C 408
S. No.			Course Outcomes	
CO 1	To understand the concept of entrepreneurship development, the theories of entrepreneurship and the relationship between theory and practice			
CO 2	To understand the concept of innovation and creativity in establishment of entrepreneurship.			t of entrepreneurship.
со з	To understand the concept, sources, stages, dimensions, need and process of identification.			ess of identification.
CO4	To understand the concept of financing, stages, estimations, sources and agencies of estimation.			
CO 5	To unde	rstand the concept and challer	nges of entrepreneurship	

Year		4th	Semester	8th
Subject Name		Quality Management	Subject Code/ NBA Code	KOE-085/C 409
S. No.			Course Outcomes	
CO 1	To define the various quality concepts.			
CO 2	To describe the organization structure and human factors in quality management.			
CO 3	To explain the different types of control charts.			
CO4	To demonstrate the defect the defect diagnosis and its prevention.			
CO 5	To descr	ibe the ISO 9000 and its quality	y concepts.	

Year	r 4th		Semester	8th
Subject Name		Digital and Social Media Marketing	Subject Code/ NBA Code	KOE-094/C 410
S. No.			Course Outcomes	
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.			f blogs.
CO 3	Assess the best practices in digital marketing field across various markets and gain knowledge of various digital marketing tool.			s and gain knowledge of
CO4	Formulate Digital marketing Strategies for an organization.			
CO 5	Analyze the privacy, security, content and ethicality issues associated with digital and social media platforms.			th digital and social media

Year		4th	Semester	8th
Subject Name		Project	Subject Code/ NBA Code	KCS-851/C 411
S. No.	Course Outcomes			
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 and techniques, coding practices for developing real life solution to the problem.			
CO4	Find out the errors in software solutions and establishing the process to design maintainable software applications			
CO 5	Write the report about what they are doing in project and learning the team working skills			