COURSE OBJECTIVES AND COURSE OUTCOMES (R15 Regulation)

	Year &			
Dept	Semester	Course Code	Course Name	Course Outcomes
	Second year		DATA STRUCTURES	1. Analyze the complexities of recursive and Non
CSE	I Semester	CSE 211		recursive algorithms.
				2. Apply ADT concepts such as arrays, stacks and
				queues for solving infix to post fix, postfix evaluation,
				priority queues.
				3. Apply the concepts of dynamic memory allocation
				for reducing the time and space complexity of
				algorithms.
				4. Implement linear, binary, interpolation, hashing
				bubble insertion selection quick more set
				bubble, insertion, selection, quick, merge sort.
				5. Design and implement the Non linear data
				structures (trees and graphs) to optimize the solution.
			OBJECT ORIENTED	
	Second vear		PROGRAMMING WITH	1. Design Classes for Real Time Applications.
CSE	I Semester	CSE 214	JAVA	
				2. Establish The Connectivity Among The Classes
				Using Inheritances And Interfaces.
				3. Modularize The Application Using Packages and
				apply threads on classes to achieve parallelism through
				synchronization.
				4. Develop Test Cases By Including The Runtime Errors
				Using Exceptions Handling Mechanism.
				5. Identify AWT components to Design the GUI Using
				Applet & AWT Frameworks
			D T.	1.Describe the basic data communications model,
005	Second year	005004		differentiate TCP/IP models and examine the
CSE	II Semester	CSE221	COMMUNICATIONS	transmission impairments.
				2. Analyse and explain the features of Transmission
				media, various encouring techniques.
				3. Apply the error correction and detection techniques.
				4. Analyse the performance issues of different types of
				LANs
				5 Explain the characteristics of multiplexing and spread
				spectrum.
				1. To interpret the concepts of internal operations of the
005	Second year	005 000	MICROPROCESSORS	computer and the working principles of Microprocessor.
CSE	II Semester	CSE 222		2 To understand the architecture, nin configuration of
				2.10 understand the architecture, pin conliguration of
				knowledge for practical implementation of assemble leve
				programming using instruction set of 8085
				3 To demonstrate the significance of Addressing modes
				and the timing diagrams to analyse the working of the
				microprocessor.
	1			4.Experimenting the interfacing of the 8085
				microprocessor with co-processors and External I/O
				devices.
				5.To analyse the internal architecture and pin
				configuration of 8086 MicroProcessor along with the
				programming knowledge for practical implementation of
				assemble level programming using instruction set of
				8085
				1. Illustrate the structure of OS, Functionality and
005	Second year	005000		services provided by the OS.Analyse the concept of
CSE	II Semester	CSE223	UPERATING SYSTEMS	process state and state transitions.
				2. Implement the CPU Scheduling algorithms (FCFS,
				concept of Process synchronization and recourse
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			3. Apply and analyze the memory management mechanism (virtual memory, demand paging and page replacement).
			 Demonstrate the structure and organization of file systems and analyze the implementation of file systems
			Analyze the disk structure, disk scheduling, management and protection issues
Second year II Semester	CSE 224	COMPUTER ORGANIZATION	1.Identify the basic principles and apply to arithmetic for ALU implementation.
			2. Examine the functional aspects of processor unit. 3 Compare and assess the working principles of bardwired and microprogrammed portrol unit.
			4.Inspect addressing modes, instruction formats in various CPU organizations and Assess the performance
			implications of processing techniques. 5. Infer the design issues in memory and I/O
		FORMAL LANGUAGES	organizations.
Second year II Semester	CSE225	AND AUTOMATA THEORY	1. Analyze the finite automata and regular expressions for accepting the language.
			Apply rigorously formal mathematical methods to prove properties of languages, grammars and automata
			3. Construct algorithms for different problems and correctness on different restricted machine models of computation (Context free grammar).
			4. Construct a Pushdown automata for languages acceptance of a PDA and pumping lemma for CFGs
			5. Construct the Turing machine for accepting unrestricted grammar and determine the decidability of computational problems.
Second year	CSE 226	MICROPROCESSOR &	1.Design, build, and debug simple microprocessor(8085) based systems using MPS 85-3.
			2. Analyse the modes of 8255 PPI and interfacing of peripheral devices with 8-bit processor
			3.Apply the TurboC programming to interface the peripheral interfaces to PCL component
			4.Apply the instruction set of 8086 microprocessor using TASM/MASM emulators
Second year	095007	OPERATING SYSTEMS	1. Implement the system calls to communicate with
li Semester	C3E227		2. Implement the Unix commands and Shell programming
			3.Implement the process management, page replacement, memory and resource allocation algorithm
Second year II Semester	CSE 228	HARDWARE LAB	
Third year I Semester	CSE311	COMPUTER NETWORKS	1. Identify the network model and the hardware components at physical layer.
			2. Analyze the organization structure; choose the most appropriate network architecture and technology.
			3. Contrast connection oriented and connection less services for datagram transformation. Discuss routing algorithms, congestion control algorithms and network
			Iayer protocols. 4. Illustrate transport layer, application layer protocols
			and security issues in transport layer. 5. Analyze domain name system, SNMP architecture and management protocols
	Second year II Semester Second year II Semester Second year II Semester Second year II Semester Second year II Semester Second year II Semester II Semester II Semester II Semester II Semester	Image: second year I Second year I SemesterImage: second year CSE 224Image: second year I SemesterImage: second year CSE225Image: second year I SemesterImage: second year CSE 225Image: second year I SemesterImage: second year CSE 226Image: second year I SemesterImage: second year CSE 228Image: second year I Semester	Image: Second year Image: CSE 224 COMPUTER Image: Second year CSE 224 COMPUTER Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year Image: Second year

CSE	Third year I Semester	CSE 312	DATA BASE MANAGEMENT SYSTEMS	1. Interpret the basic concepts of Database Management Systems, Transaction Management and Architecture of DBMS.
				2. Apply the principles of ER Model and Relational Model in Conceptual and Logical Database Design.
				3. Construct and evaluate SQL Queries and Relational
				Algebra, Relational Calculus expressions.
				4. Apply the principles of normalization in schema refinement.
				5.Investigate different transaction management and recovery techniques
	Third year I			1. Explain computer graphics, applications and contemporary terminology, hardware components etc.
CSE	Semester	CSE313	COMPUTER GRAPHICS	
				apply attributes of primitives, anti -aliasing.
				Apply geometric transformations on 2D and 3D objects.
				Apply viewing transformations on 2D and 3D Apply viewing transformations on 2D and 3D
				5. Explain visible surface methods
CSE	Third year I Semester	CSE 314	OPEN ELECTIVE I	
				1. Demonstrate the steps for algorithmic problem
	Third year l			solving, types of problems and asymptotic notations.
CSE	Semester	CSE315	ALGORITHMS	using time and space complexity.
				2. Analyze the brute force, decrease –and -conquer,
				divide -and- conquer methods for solving the sorting,
				searching, permutations and combinations, subset sum,
				problems.
				3. Examine the transform-and-conquer, dynamic
				programming approaches for solving of pre-sorting
				search tree. Warshall's & Flovd's algorithms . Knapsack
				problems.
				4. Apply prim's, Kruskal's and Dijkstra's for finding a
				encode and decode the text.
				5. Demonstrate the concepts of P , NP and NP-hard
				problems . Analyze limitations of Back tracking, branch and bound approaches.
	Third year I		DATA BASE	
CSE	Semester	CSE 316	SYSTEMS LAB	
CSE	Third year I Semester	CSE317	COMPUTER NETWORKS LAB	1. Implement various Network Topologies using Simulation Tools.
				2. Implement the various protocols using simulation tool
				3. Analyze the performance of the protocols in different layers.
				4. Implement and compare various routing algorithms
	Thind			5. Implement programs using socket
CSE	Semester	CSE 318	SOFT SKILLS LAB	
	Third year I		QUANTITATIVE&	
CSE	Semester	CSE 319	VERBAL APTITUDE I	
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	Third year II			
CSE	Semester	CSE321	COMPILER DESIGN	
	Third vear II		SOFTWARE	1 Classify the process of project life cycle model and
CSE	Semester	CSE 322	ENGINEERING	design the SRS
				2. Summarize & Evaluate the different architecture
				styles
				3. Design the real world system based on Functional
				Oriented and Object Oriented Approach by using UML
	ļ			& DFD diagrams
	ļ		ļ	4. Apply testing techniques on software products
				5. Analyse & estimate the Software quality by using
				COCOMO model
				IAVASCRIPT Learner is able to Design the static web
				pages using HTML5, apply styles using CSS and
	Third year II			provide dynamic nature to the web pages using
CSE	Semester	CSE323	WEB TECHNOLOGIES	JAVASCRIPT to create a good website structure.
				2.Apply the PHP concepts of decision making, looping,
				form processing, cookies, sessions to create a
				responsive website, to deploy the website in the server,
				analyze the browser capabilities.
				3. Understand the need for a web server, serviets-life
				cycle, servlet API,HITP Packages for nandling nup
				request and responses, cookies, session tracking
				development with respect to handling request and
				responses
				4.Understand Java Server Pages (JSP) objects.
				variables, error handling, passing control between JSP
				pages, scope and memory usage of objects, Compare
				JSP and servlets in website development.
				5. Develop a website to access database content from
				the user interface using database programming using
				PHP, Servlets and JSP. Identify the need of JSON in
				websites by understanding JSON syntax, objects and
				1 Describe the functional requirements, performance
	Third year II		ADVANCED COMPUTER	analysis and technology enhancements of different
CSE	Semester	CSE 324	ARCHITECTURE	classes of architecture.
001				
				2. Explain about different levels of memory
				arrangement of Arm Cortex-A8 and Intel Core i7
				3. Analyze the principle of instruction level parallelism
				through pipelining in Intel Corei7 and ARM CORTEX A-
				processors.
				4. Analyze the thread level parallelish on distributed shared memory and directory based coherence by
				applying synchronization techniques in multi core
				processor environment.
				5. Illustrate the workloads for Google warehouse-scale
				computer.
	Third year II		Smart Systems Design &	1.To describe the Embedded system fundamentals,
CSE	Semester	CSE325(A)	Programming	design and memory management.
				2.To write programs in ARM based assembly level
				language.
				3. To design Embedded system applications.
				4.10 test and debug embedded system applications.
				5. To develop applications on Arduino and Raspberry Pr
				KII3.

				1. Interpret contemporary computing machines,
	Third year II		High Performance	Performance metrics of multicore machines, parallel
CSE	Semester	CSE325(B)	Computing	programs.
				2. Apply PCAM methodology, Decomposition patterns
				for multicore machines, parallel programs.
				3. Examine snared memory programming and Thread
				Analyze I oon level parallelism. Task parallelism
				and its ontimization issues
				5 Estimate Distributed memory programming and
				communication methods namely programming and
				blocking communication
	Third year II		Principles Of Programming	1. Identify the importance of programming languages
CSE	Semester	CSE325(A)	Languages	and programming environments.
				2. Analyse the scope of the variables based on the
				datatypes.
				3. Evaluating the expressions and programs for solving
				a computational problem.
				4. Memorize the principles of programming language
				Applying the concents of Exception Handling in object
				oriented programming languages
	Third year II			1 Apply Sets map Dictionary skin lists and hash
CSE	Semester	CSE325(B)	Advanced Data Structures	tables to text compression
				2. Analyse advantages and disadvantages to Red black
				trees, splay trees, and B-trees.
				3. Apply sorting algorithm to data structures to solve
				problems.
				4. Demonstrate the external memory and external
				sorting algorithms.
				5. Analyse variety of graph data structures (ADT) and
				their implementations of DFS.
	Third year II			1. Apply the basic concepts of 2D image acquisition,
CSE	Somester	CSE325(A)	Digital Image Processing	components of image
UUL	Gemester	00L020(A)		2 Analyze the filtering techniques in spatial domain
				for face reorganization, pattern reorganization and
				segmentation.
				3. Analyze and apply the filtering techniques in
				frequency domain for classify the images.
				4. Apply image morphological techniques for
				manipulate digital images
				5. Apply the image Segmentation techniques on Edge
	Third year II			detection and Region-Based Segmentation.
COE	Somostor	CSE225(D)	No SOL Data Rasos	
CSE	Semester	CSE325(D)	NO SQL Data Bases	
	Third year II		OPEN SOURCE	1.Understand and analyze an open source software
CSE	Semester	CSE 326	TECHNOLOGIES LAB	project.
				2 Examine open source project workflow using github
				2. Examine open source project worknow using gillub.
				3.Develop static web pages using HTML, CSS.
				4.Develop a dynamic web site with Client side scripting
				language-Javascript and Server side scripting language
				technologies in open source environments to develop a
				complete web site and deploy the website using
				WAMP/MAMP/LAMP/XAMP Servers.
			SOFTWARE	1 Analyze the case study and apply the LIML patetiese
	Third year II		ENGINEERING LAB/MINI	I. Analyze the case study and apply the OML hotalions.
CSE	Semester	CSE327	PROJECT LAB	
				2. Estimate the project metrics using COCOMO and
				estimate the complexity using McCabe's Cyclomatic
				methoa

				3. Compare and contrast testing techniques
005	Third year II	005 220	QUANTITATIVE &	
CSE	Semester	CSE 328	VERBAL APTITUDE II	
	Fourth year l		Introduction to Soft	
CSE	Semester	CSE411(A)	Computing	
	Fourth year I			
CSE	Semester	CSE411(B)	Web Designing	
005	Fourth year I	COE411(D)	Cloud Computing	
USE	Semester	CSE411(D)	Overview	
	Fourth year I		Fundamentals of Digital	
CSE	Semester	CSE411(D)	Image Processing	
	Fourth year I		CRYPTOGRAPHY &	1. Memorizing the concepts of Cryptographic
CSE	Semester	CSE412	NETWORK SECURITY	systems.
				2. Interpret the application of Cryptographic Techniques in Network Security.
				3. Apply the algorithms to achieve the security goals
				of Confidentiality, Authentication and Integrity to a given
				application. 4 Determine the applications of authentication
				mechanisms.
				5. Illustrate the techniques of Intrusion Detection
	Fourth year I			systems and Firewalls.
CSE	Semester	CSE413	ANALYSIS & DESIGN	Oriented Programming
				2. Model UML diagrams according to object oriented
				Methodologies
				3. Summarize on Object oriented Analysis & Identity
				4. Structuring the basics of object Oriented Design
				along with patterns
				 Design Access Layer , view layer & protocols for classes
	Fourth year I			1 Interpret the GSM architecture and its services
CSE	Semester	CSE414(A)	Mobile Computing	
				2. Analyze the various wireless applications and study
				technical feasibility of various mobile applications.
				3.Utilize the mobile network layer protocols and its
				tunctionalities.
				mobile environments for 3G networks.
				5 Evaluate and create the platform protocols and relate
				concepts of Ad hoc and Enterprise wireless networks
	Fourth vear I		Distributed Operating	1. Analyze the system model, software layers of
CSE	Semester	CSE414(B)	Systems	distributed operating systems and its challenges.
				2. Examine the inter-process communication, TCP
	ļ			stream communication procedures and protocols.

				3.Evaluate the concepts of Remote procedural calls and
				communication among objects in distributed operating system.
				4. Apply the knowledge of peer-to-peer system,
				distributed mutual exclusion of distributed file system in real world scenario
				5. Apply concurrency control, deadlock management
				techniques in distributed operating system for group communication.
CSE	Fourth year I Semester	CSE414(C)	Neural Networks & Deep Learning	1.Examine different neural network architectures.
				2.Describe the underlying mathematics in neural
				networks and deep learning algorithms.
				given task.
				4. Identify the deep learning algorithms which are more
				appropriate for various types of learning tasks in various domains.
				5.Implement neural networks & deep learning algorithms
				and solve real-world problems.
				1.Make use of four pillars of design, participatory design
~~-	Fourth year I		Human Computer	scenario development of design processes that support
CSE	Semester	CSE414(D)	Interaction	social, ethical and legal issues.
				2. Apply an interactive design process and universal
				3 Analyze Importance of response time, attitudes and
				user productivity related to quality of service on Display
				Design, Web Page Design, Window Design HCI
				Systems.
				4. Distinguish the online user documentation from paper
				documentation along with online communities' assistance.
				5.Compare searching and visualization methodologies in
				Textual Documents, Database Querying, and Multimedi
				Documents.
	Fourth year l			1. Apply pattern recognition techniques, simple pattern
CSE	Somester	CSE414(E)	Pattern Recognition	
UUL	Ochicater	002414(2)		2. Analyze the statistical bases of the classification
				theory
				3. Analyze segmentation using non parametric
				techniques and linear discriminate functions.
				4. Evaluate multi layer neural networks components,
				operations and algorithms.
				5. Apply stochastic methods and non-method methods of
				1 Summarize the effect of radiometry in space and
	Fourth year I			surface, Interpret local and global shading models and
CSE	Semester	CSE415(A)	Computer vision	its effects.
				2. Identify appropriate linear filter mechanisms to
				enhance texture images
				3.Make use of clustering mechanisms in order to
				Periori Image segmentation.
				shapes for image segmentation
		1		5. Classify the images fitting usinc lass Histograms.
				Feature Selection, Neural Networks, Support Vector
				Machines.
007	Fourth year I	00544575		1.Find the basic components required to build an
CSE	Semester	CSE415(B)	Embedded Systems	embedded system.
				embedded system
		1		3.Design embedded software using RTOS.
				4.Build embedded software using different software
				tools.
				5.Debug embedded software using different software
			Data Mara Llausian 9	and hardware tools.
CSE	Fourth year I	CSEALER	Data ware Housing &	I. Extend the basics, challenging issues in Data
USE	Semester	0004100		prinning uata warehousing and OLTP technologies.

				Focus on data pre-processing approaches and data mining primitives, language, system architecture.
				3. Analyze data generalization, summarization-based characterization; attribute relevance analysis in concept description. Analyze association rule mining in large databases.
				4. Illustrate classification by using decision tree induction, Bayesian, back propagation and prediction methods.
				5. Interpret categorization of major clustering methods.
CSE	Fourth year I Semester	CSE415(D)	Machine Learning	1. Demonstrate well posed machine learning problems and examine Find-s, version space and candidate elimination algorithm.
				 Construct and analyze the problems and issues of decision tree learning algorithm. Apply Bayes theorem, concept learning, maximum likelihood, least squared error hypothesis for classification of text data.
				 Illustrate neural network representation, problems on neural networks and back propagation algorithm
				 Determine nearest neighborhood learning and locally weighted regression. Illustrate optimization problems using genetic algorithms. Explain about vulnerability scanning approaches
CSE	Fourth year I Semester	CSE415(E)	Cyber Security	and describe the functionality of different types of scanning and service tools.
				 Comprehend about networking layersand summarize the defense methodologies and its relevant tools functionality.
				3. Describe and inspect web vulnerabilities through Zed Attack Proxy, Sqlmap. DVWA, Webgoat and password cracking mechanisms.
				 Comprehend the cybercrime scenario and recognize the appropriate cyber law. Demonstrate the cybercrime scenario and solve
				the crime through investigation by applying ethical hacking mechanisms.
CSE	Fourth year I Semester	CSE416	CRYPTOGRAPHY & NETWORK SECURITY LAB	
CSE	Fourth year I Semester	CSE417	INDUSTRIAL TRAINING & SEMINAR	
CSE	Fourth year II Semester	CSE418	PROJECT I	1. Identify the problem and perform the literature survey
				 able to summarize the literature review, analyze the previous researcher's work and relate them to current project
				3.able to identify the appropriate method to the particula problem
	Fourth year II			1 Analyse the concent of client server computing
CSE	Semester	CSE421(A)	Client Server Computing	2. Describe the components of client/ server
				applications.3. Analyze the client/ server network.4. Demonstrate the developments of client/ server
				systems

Fourth year II CSE Fourth year II CSE421(B) Augmented Reality CSE Semester CSE421(C) Augmented Reality					5. Analyze the roles and responsibilities of server and
Semester CSE421(B) Augmented Reality CSE Semester CSE421(C) Semeantic Web CSE Semester CSE421(C) Semantic Web CSE Semester CSE421(C) Semantic Web CSE Semester CSE421(C) Semantic Web CSE Semester CSE421(D) Semantic Web CSE Semester CSE421(D) Big Data CSE Semester CSE421(D) Big Data CSE Semester CSE421(E) Systems CSE Semester CSE421(F) Advanced Operating CSE Semester CSE421(F) Advanced Operating System security CSE Sem		Fourth vear II			
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Semester CSE Fourth year II CSE Semester CSE Semester CSE Fourth year II Semester CSE421(C) Semantic Web					
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Fourth year II Semester Semester Semester Semester CSE Semester CSE421(C) Semantic Web Image: CSE421(C) Semester CSE Semester CSE421(D) Big Data Image: CSE421(C) Semester CSE Semester CSE421(E) Advanced Operating Image: CSE421(E) Systems CSE Semester CSE421(F) Advanced Operating Image: CSE421(F) Image: CSE421(F) </td <td></td> <td></td> <td></td> <td></td> <td></td>					
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Semester CSE Semester CSE421(D) Big Data CSE Semester CSE421(E) Systems Image: CSE421(E) Semester CSE421(E) Advanced Operating Image: CSE421(E) Systems CSE Semester CSE421(E) Systems Image: CSE421(E) Systems CSE Fourth year II Advanced Operating Systems Image: CSE421(E) Systems CSE Semester CSE421(F) Information Security & 1. Explain the basic concepts and summarize techniques in intrusion detection system using security tools. Image: CSE421(F) Image: CSE421(F) Image: CSE421(F) Semester Social Network Analysis 1. Analyse the basic concepts and general techniques in setalbibling security and standards and operating system security. CSE Semester CSE421(G) Social Network Analysis 1. Analyse the basic components of Social Network. CSE Semester CSE421(G) Social Network Management Sillustrate the mining communities in the social network. CSE Semester CSE422(CSE	Semester	CSE421(C)	Semantic Web	
Fourth year II CSE Semester CSE421(D) Big Data CSE Semester CSE421(D) Big Data Information CSE Semester CSE421(D) Advanced Operating Systems Information Security & Advanced Operating Information Security & Advanced Operating CSE Semester CSE421(F) Advanced Operating Information Security & Advanced Operating Information Security & CSE Information Security & Advanced Operating Information Security & CSE Information Security & Advanced Operating Information Security & CSE Information Security & CSE Information Security & Advanced Operating Information Security & CSE Information Security and addit in IT Informaticuture. CSE Semester CSE421(G) Social Network Analysis Information Security and stand and operating system Security and standards and operating system Security and standards and operating system Security and privacy issues in social network. CSE Semester CSE421(G) Socia					
Fourth year II CSE Semester CSE421(D) Big Data CSE Semester CSE421(E) Big Data Interval CSE Semester CSE421(E) Systems Interval CSE Semester CSE421(E) Systems Interval CSE Semester CSE421(E) Systems Interval CSE Semester CSE421(F) Advanced Operating Systems Interval Interval CSE Semester CSE421(F) Auditing Interval Interval CSE Semester CSE421(F) Auditing Interval Interval CSE Semester CSE421(F) Auditing Interval Interval CSE Semester CSE421(G) Social Network Analysis Interval Interval CSE Semester CSE421(G) Social Network Analysis Interval Interval CSE Semester CSE421(G) Social Network Analysis Interval Interval CSE Semester					
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Fourth year II Fuzzy Computing Fuzzy sets ,crisp sets and their relational operations CSE Semester CSE422(B) Fuzzy Computing 2. Apply Fuzzification and de-Fuzzification with different member functions					accuracy in fuzzy system. Differentiate between
CSE Semester CSE422(B) Fuzzy Computing operations 2. Apply Fuzzification and de-Fuzzification with different member functions		Fourth year II			Fuzzy sets ,crisp sets and their relational
2. Apply Fuzzification and de-Fuzzification with	CSE	Semester	CSE422(B)	Fuzzy Computing	operations
					2. Apply Fuzzification and de-Fuzzification with different member functions

				3. Demonstrate automated methods of learning,
				Rule-based systems, Graphical techniques of
				inferences
				4.Identify Batch least squares algorithm, Recursive
				least squares algorithm, Gradient method,
				Clustering method for problem solving
				5.Examine decision making methods Synthetic
				evaluation, Preference & consensus, Multiobjective
				decision making and classification & clustering
				methods namely Crisp relations and Fuzzy
				relations. Hard c-Means (HCM) and Fuzzy c-Means
				(FCM).
	Fourth year II			1. Memorizing the concepts and the need of wireless
CSE	Semester	CSE422(C)	Wireless Sensor Networks	sensor networks.
				2. Apply the infrastructure of the WSAN.
				3. Analyse the routing protocols & algorithms to
				implement the wireless sensor networks.
				Identify the challenges of wireless sensor networks.
				5. Evaluating the problems of critical nodes and links.
	Fourth year II			
CSE	Semester	CSE422(D)	Bioinformatics	
	Fourth year II		Parallel Computing With	
CSE	Semester	CSE422(E)	CUDA	
				1. Classify the architecture, taxonomy of parallel
	Fourth year II			distributed computing and role of cloud computing for a
CSE	Semester	CSE422(F)	Cloud Computing	business case.
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				2. Analyze security, different levels of network and
				2 . Analyze security, different levels of network and services in infrastructure of cloud
				services in infrastructure of cloud
				Analyze security, different levels of network and services in infrastructure of cloud S. Differentiate the laaS, PaaS and Saas cloud
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				 Analyze security, different levels of network and services in infrastructure of cloud Differentiate the laaS, PaaS and Saas cloud services ,contrast the services to the business case as Amazon, Salesforce, google app Engine and Microsoft. Analyzing the cloud data storage, data security challenges and cloud security
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CSE CSE	Fourth year II Semester Fourth year II Semester Fourth year II Semester	CSE422(G) CSE423 CSE424	Computing Optimization PROJECT II MOOC	2 . Analyze security, different levels of network and services in infrastructure of cloud 3. Differentiate the laaS, PaaS and Saas cloud services ,contrast the services to the business case as Amazon, Salesforce, google app Engine and Microsoft. 4. Analyzing the cloud data storage, data security challenges and cloud security 5. Analyze the need to migrate to the cloud and best practices of cloud computing evolution CO1:Analyze the steps to find the solution to the problem CO2:Evaluate the result with the given problem CO3:Produce the project outcome of good quality
CSE CSE	Fourth year II Semester Fourth year II Semester Fourth year II Semester	CSE422(G) CSE423 CSE424	Computing Optimization Computing Optimization PROJECT II MOOC	2 . Analyze security, different levels of network and services in infrastructure of cloud 3. Differentiate the laaS, PaaS and Saas cloud services ,contrast the services to the business case as Amazon, Salesforce, google app Engine and Microsoft. 4. Analyzing the cloud data storage, data security challenges and cloud security 5. Analyze the need to migrate to the cloud and best practices of cloud computing evolution CO1:Analyze the steps to find the solution to the problem CO2:Evaluate the result with the given problem CO3:Produce the project outcome of good quality
CSE CSE	Fourth year II Semester Fourth year II Semester Fourth year II Semester	CSE422(G) CSE423 CSE424	Computing Optimization Computing Optimization PROJECT II MOOC	2 . Analyze security, different levels of network and services in infrastructure of cloud 3. Differentiate the laaS, PaaS and Saas cloud services ,contrast the services to the business case as Amazon, Salesforce, google app Engine and Microsoft. 4. Analyzing the cloud data storage, data security challenges and cloud security 5. Analyze the need to migrate to the cloud and best practices of cloud computing evolution CO1:Analyze the steps to find the solution to the problem CO2:Evaluate the result with the given problem CO3:Produce the project outcome of good quality
CSE CSE	Fourth year II Semester Fourth year II Semester Fourth year II Semester	CSE422(G) CSE423 CSE424	Computing Optimization Computing Optimization PROJECT II MOOC	2 . Analyze security, different levels of network and services in infrastructure of cloud 3. Differentiate the laaS, PaaS and Saas cloud services ,contrast the services to the business case as Amazon, Salesforce, google app Engine and Microsoft. 4. Analyzing the cloud data storage, data security challenges and cloud security 5. Analyze the need to migrate to the cloud and best practices of cloud computing evolution CO1:Analyze the steps to find the solution to the problem CO2:Evaluate the result with the given problem CO3:Produce the project outcome of good quality