



LORDS INSTITUTE OF ENGINEERING AND TECHNOLOGY

(UGC Autonomous)

Estd: 2003, Approved by AICTE New Delhi, Affiliated to Osmania University

Survey No. 32, Himayat Sagar, Near TG Police Academy, Hyderabad-500091, Telangana

Course Outcomes

Academic Year – 2024-2025

Student will be able to

CO. No.	Description
	Course Outcomes:C41—Database Management System(U23IT 402)
C41.1	Design ER-models to represent simple database application scenarios and Construct database queries using SQL.
C41.2	Construct database queries using relational algebra and calculus
C41.3	Recognize and identify the use of normalization and functional dependency in database design.
C41.4	Apply the concept of a database transaction and related Concurrent, recovery facilities
C41.5	Apply and relate how to evaluate a set of queries in query processing.
CO. No.	Description
	Course Outcomes:C42—Database Management System Lab(U23IT4L2)
C42.1	Design database schema for a given application and apply.
C42.2	Gather skills in using SQL commands for data definition and data manipulation.
C42.3	Demonstrate creation and usage of Views and Stored Procedures using SQL.
C42.4	Develop solutions for database applications using procedures, cursors and triggers
C42.5	To design and build a simple database system and demonstrate competence with the fundamental tasks involved with modeling, designing, and implementing a DBMS.
CO. No.	Description
	Course Outcomes:C43—Operating Systems(U23IT 403)
C43.1	Understand the fundamental concepts and Functions of operating system.
C43.2	Analyze various scheduling algorithms.
C43.3	Understand deadlock, prevention and avoidance algorithms.
C43.4	Compare and contrast various memory management schemes.
C43.5	Understand the functionality of file systems and perform administrative tasks on Linux servers.
CO. No.	Description
	Course Outcomes: C44—Java programming(U23CS 403)

C44.1	Achieve proficiency in object-oriented concepts and also learns to incorporate the same into the Java programming language.
C44.2	Create Java application programs using sound OOP practices e.g., Inheritance, interfaces and proper program structuring by using packages, access control specifies.
C44.3	Understand and implement the concepts of Exception Handling in JAVA.
C44.4	Develop the ability to solve real-world problems through software development in high-level programming language using Large APIs of Java as well as the Java standard class library.
C44.5	Understand File, Streams, Input and Output Handling in java.
CO. No.	Description
	Course Outcomes: C46—Java programming lab(U23CS4L1)
C46.1	Develop Java applications using the concepts of Inheritance, interfaces, packages, access control specifiers.
C46.2	Implement the concepts of Exception Handling in java Applications.
C46.3	Read and write data using different Java I/O streams.
C46.4	ical user interfaces and Applets by applying the knowledge of Event Handling.
C46.5	Create robust applications using Java standard class libraries and retrieve data from a database with JDBC.

CO. No.	Description
	Course Outcomes: C45—Discrete Mathematics (U23CM 401)
C45.1	Distinguish between Propositional Logic and Predicate Logic, deriving valid proofs of inference and checking the validity of inferences
C45.2	Illustrate by examples the basic terminology of sets, relations, functions and algebraic structures along with their associated operations.
C45.3	Apply basics of counting, principles of permutations, combinations, principle of inclusion/exclusion and the pigeonhole methodology in solving counting problems.
C45.4	Write Generating functions and recurrence relations and apply various techniques for solving recurrence relations
C45.5	Apply Breadth First Search, Depth First Search and Kruskals' algorithms on graphs.

CO. No.	Description
	Course Outcomes:C47 – Artificial Intelligence (U23CM 402)
C47.1	Identify appropriate search algorithms for Typical AI problems.
C47.2	Understand various problem solving methods and use various search algorithms.
C47.3	Represent knowledge using First Order Predicate Logic.
C47.4	Understand the use of software agents to solve a problem.
C47.5	Understand the AI applications for NLP, Speech Recognition and Perception Planning.
CO. No.	Description
	Course Outcomes:C48– Artificial Intelligence Lab (U23CM4L1)
C48.1	After learning the AI concepts the student must be able to design and implement AI solutions searching techniques using AI.
C48.2	Able to know about facts of querying.
C48.3	Be capable of confidently applying tree mechanism using AI with Neural Network
C48.4	Be capable of performing experiments in Machine Learning using real-world data
C48.5	Be capable to implement classifiers and Regression algorithm
CO. No.	Description
	Course Outcomes:C61– Robotics Process Automation (U21AM601)
C61.1	Describe RPA applications and Implementations.
C61.2	Use different types of variables, Control Flow and data manipulation techniques.
C61.3	Identify and understand Image, Text and Data Tables Automation
C61.4	Analyse the User Events, various types of Exceptions and strategies
C61.5	Understand the Deployment of the Robot and to maintain the connection
CO. No.	Description
	Course Outcomes:C62- Mobile Application Development (U21CM605)
C62.1	Identify various concepts of mobile programming for different platforms.
C62.2	Analyse mobile application designs pros and cons.
C62.3	Use rapid prototyping techniques to design and develop sophisticated mobile interfaces.
C62.4	Evaluate the mobile applications for the Android operating system for basic and advanced mobile phones features.
C62.5	Understand applications to the Android marketplace for distribution.
CO. No.	Description
	Course Outcomes: C63—Deep Learning Techniques (U21AM602)
C63.1	Understand Learning representation and working of Deep Learning.

C63.2	Understand the Building Blocks of Deep Learning Models using various Neural Networks.
C63.3	Use the Training methods of Feed-Forward, Back propagation Neural Network and prevention of Over-fitting in Neural Networks.
C63.4	Understand the convolution Neural networks and Recursive Neural Network algorithms.
C63.5	Apply convolution neural networks in various fields.
CO. No.	Description
	Course Outcomes: C64—Deep Learning Techniques Lab (U21CM7L2)
C64.1	Develop ANN without using Machine Learning/Deep learning libraries
C64.2	Understand the Training ANN model with back propagation.
C64.3	Develop model for sequence learning using RNN
C64.4	Develop image classification model using ANN and CNN
C64.5	Generate a new image with auto-encoder and GAN
CO. No.	Description
	Course Outcomes:C65—Computer Networks(U21CM602)
C65.1	Explain the functions of the different layer of the OSI and TCP/IP Protocol.
C65.2	Understand wide-area networks (WANs), local area networks (LANs) and Wireless LANs (WLANs) describe the function of each block.
C65.3	Illustrate network layer and transport layer protocols. For a given problem related TCP/IP protocol developed the network programming.
C65.4	Configure DNS , EMAIL, SNMP, Bluetooth, Firewalls using open source available software and tools
C65.5	Identify the types of encryption techniques
CO. No.	Description
	Course Outcomes:C66—Computer Networks Lab(U21IT6L2)
C66.1	Understand the usage of basic commands ipconfig, ifconfig, netstat, ping, arp, telnet, ftp, finger, trace route, who is of LINUX platform
C66.2	Develop and Implement Client-Server Socket based programs using TCP, and UDP sockets
C66.3	Make a client server communication through TCP and UDP protocols
C66.4	Expose on advanced socket programming in LINUX environment.
C66.5	Understand transport layer protocols, connection oriented & connectionless models.
CO. No.	Description

	Course Outcomes:C67-Advance Machine Learning(U21CM602)
C67.1	Use appropriate search algorithms for any AI problem
C67.2	Represent a problem using first order and predicate logic
C67.3	Provide the apt agent strategy to solve a given problem
C67.4	Design software agents to solve a problem
C67.5	Design applications for NLP that use Artificial Intelligence.
CO. No.	Description
	Course Outcomes:C68-Advance Machine Learning(U21CM6L1)
C68.1	Implement various protocols using classification and regression techniques.
C68.2	Implement clustering mechanism. .
C68.3	. Implement Decision trees.
C68.4	Implement and Analyze various random forest techniques.
C68.5	Implement Decision trees.
CO. No.	Description
	Course Outcomes:C69-Scripting Language (U21CS6L2)
C69.1	Understand, analyze and apply the role of languages like HTML, CSS, XML, JavaScript, PHP, SERVLETS, JSP and protocols in the workings of the web and web applications
C69.2	Design and implement dynamic websites with good aesthetic sense of designing
C69.3	Create web pages using HTML and Cascading Styles sheets
C69.4	Analyze a web page and identify its elements and attributes
C69.5	Develop JSP applications implementing Session management and Data base Connectivity.

CO. No.	Description
Course Outcomes:C69— DISASTER PREPAREDNESS AND MANAGEMENT(U21CE510)	
C69.1	Apply the concepts of disaster management to evaluate a disaster situation
C69.2	Classify the various categories of disasters and their specific characteristics.
C69.3	Classify the areas under disaster management
C69.4	Select appropriate pre-disaster, during disaster and post-disaster measures and framework.
C69.5	Apply the geo informatics technology in disaster situation.

CO. No.	Description
Course Outcomes:C81— Social Media and Data Analytics (U21CM803)	
C81.1	Understand the various social media platforms and their functionalities, user demographics, and engagement metrics.
C81.2	Collect and process data from social media platforms using appropriate tools and techniques
C81.3	Interpret the results of Social Media Data analysis for Decision making Analysis.
C81.4	Use skills in developing and implementing social media strategies for engineering projects.
C81.5	Analyze the emerging problems of social media analytics with sentiment analysis and opinion mining

CO. No.	Description
	Course Outcomes:C82- Internet Of Things (U21CM806)
C82.1	Understand Internet of Things and its hardware and software components
C82.2	Interface I/O devices, sensors & communication modules
C82.3	Remotely monitor data and control devices
C82.4	Develop real life IOT based projects
C82.5	Summarize the genesis and impact of IoT applications, architectures in real world
CO. No.	Description
	Course Outcomes C83: Major Project Phase –II(U21CM8P1)
C83.1	academic program to real-world problems
C83.2	Evaluate different solutions based on economic and technical feasibility
C83.3	Effectively plan a project and confidently perform all aspects of project management
C83.4	Demonstrate effective written and oral communication skills
CO. No.	Description
	Course Outcomes 84: Technical Seminar (U21CM8P2)
C84.1	Develop the habit of referring the journals for literature review
C84.2	Understand the gist of the research paper.
C84.3	Identify the potential for further scope.
C84.4	Present the work in an efficient manner
C84.5	Write the documentation in standard format