Course Outcomes

Academic Year – 2021-2022 **Semester: IV (OU)**

Student will be able to

CO. No.	Description
Course Outcomes: C41 - Operation Research (HS103ME)	
C41.1	Prepare the students to have the knowledge of Linear Programming Problem in operations
C41.2	Make the students to apply the knowledge of duality and sensitive analysis on different models.
C41.3	Demomstrate and apply the knowledge of Transportation Models and Assignment Problems in real world scenarios.
C41.4	Make students understand the concept of Replacement models and able to explain the application of Game theory in decision making for a conflict.
C41.5	Implement the knowledge of Sequencing, optimum model for job scheduling, Queuing theory and various optimization techniques.
CO. No.	**Description**
Course Outcomes: C42 - Signals and Systems (ES305EC)	
C42.1	Describe mathematical description and representation of continuous and discrete time signals and systems.
C42.2	Apply the properties of Fourier series for continuous time signals and can find Fourier transform for different signals
C42.3	Relate Laplace transforms to solve differential equations and to determine the response of the LTI systems to known inputs.
C42.4	Explain the Fourier analysis of discrete time signal models and representation of periodic signals.
C42.5	Apply Z- transform to analyze of continuous-time and discrete-time signals and systems.
CO. No.	**Description**
Course Outcomes: C43 - Java Programming (PC401IT)	
C43.1	Achieve proficiency in object oriented concepts also learn to incorporate the same in the Java Programming Language
C43.2	Implement interfaces, packages, Exception Handling,Multi-threading concepts in java .
C43.3	Implementation of Collection Framework and utility classes.
C43.4	Design and develop the GUI based Java Applications using Event Handling, JDBC.
C43.5	Develop and deploy web application using Swings and Servlets to address the real-world issues.
CO. No.	**Description**
Course Outcomes: C44 - Database Systems (PC402IT)	
C44.1	Define the fundamental concepts of database management and designing a database schema using ER modeling approach.
C44.2	Demonstrate the concepts of Normalization and identify functional dependencies.
C44.3	Apply the knowledge of indexing & transaction management for concurrency control and recovery of database systems.

C44.4	Ability to design entity relationship model and convert entity relationship diagrams into RDBMS and formulate SQL queries on the data using relational models.
C44.5	Apply the DDL, DML, DCL, TCL commands of SQL and understand the working process of DWH.
CO. No.	**Description**
Course Outcomes: C45 - Computer Organization and Microprocessor (PC403IT)	
C45.1	Explain the architecture of modern computers and bus structures.
C45.2	Analyze the different memories and evaluate the mapping techniques.
C45.3	Explain the architecture, the instruction set and addressing modes of 8085 processor.
C45.4	Analyze Stacks, Subroutine, Interrupts of 8085, different PPI techniques and understand the uses of interfaces and DMA controllers.
C45.5	Explain Programmable peripherals, communication interface and various device controllers.
CO. No.	**Description**
Course Outcomes: C46 - Data Communications (PC404IT)	
C46.1	Demonstrate systematic demonstrating of Data Communication Techniques
C46.2	Apply various encoding schemes
C46.3	Describe Multiplexing techniques
C46.4	Get acquainted with the concept of virtual circuit network
C46.5	Describe various types of switching techniques and Wireless LANs
CO. No.	**Description**
Course Outcomes: C47 - Microprocessor Lab (PC451IT)	
C47.1	Interpret the principles of Assembly Language Programming, instruction set in developing microprocessor-based applications.
C47.2	Develop Applications such as: 8-bit Addition, Multiplication, Division, array operations, swapping, negative and positive numbers.
C47.3	Analyze the interfaces like serial ports, digital-to-analog Converters and analog-to-digital converters etc.
C47.4	Build interfaces of Input-output and other units like stepper motor with 8085.
C47.5	Create a technical laboratory report.
CO. No.	**Description**
Course Outcomes: C48 - Java Programming Lab (PC452IT)	
C48.1	Develop Java applications using the concepts of Inheritance, interfaces, packages, access control specifiers.
C48.2	Implement the concepts of Exception Handling in java Applications
C48.3	Read and write data using different Java I/O streams.
C48.4	Create graphical user interfaces and Applets by applying the knowledge of Event Handling.
C48.5	Ability to solve real-world problems by designing user friendly GUI with befitting backend through the APIs of Java.
C48.6	Develop Java applications using the concepts of Inheritance, interfaces, packages, access control specifiers.

CO. No.	Description
Course Outcomes: C49 - Database Systems Lab (PC453IT)	
C49.1	Design and implement a database schema for a given problem
C49.2	Develop the query statements with the help of structured query language
C49.3	Populate and query a database using SQL and PL/SQL
C49.4	Develop multi-user database application with security features
C49.5	Design GUI using forms and implement database connectivity

Course Outcomes

Academic Year – 2021-2022 **Semester: VI (OU)**

Student will be able to

CO. No.	Description
Course Outcomes:C61 – Embedded Systems (PC 601 IT)	
C61.1	Demonstrate Embedded Systems and analyze the 8051 Architecture.
C61.2	Design and implement programs on 8051 and perform I/O interfacing.
C61.3	Apply knowledge to interface various sensors and its real-time applications in embedded systems.
C61.4	Analyze, real time systems using RTOS and develop applications.
C61.5	Apply the principles of SOC design.
CO. No.	**Description**
Course Outcomes:C62 - Design and Analysis of Algorithms (PC 602 IT)	
C62.1	Compute and analyze complexity of algorithms using asymptotic notations.
C62.2	Analyze and implement various classical Problem Solving techniques like Divide-and-Conquer, Greedy Method etc.
C62.3	Demonstrate and apply Dynamic Programming Techniques of various computing problems.
C62.4	Apply Backtracking, Graph Coloring and Branch and Bound concepts on real world problems.
C62.5	Define and develop solutions for NP Hard, NP Complete and decision problems.
CO. No.	**Description**
Course Outcomes: C63 - Distributed Systems(PE 616 IT)	
C63.1	Describe the problems and issues associated with distributed systems.
C63.2	Explain occurrence of coordination in distributed systems.
C63.3	Illustrate how replicas are handled in distributed systems and consistency is maintained.
C63.4	Distinguish the implementation of security in distributed systems.
C63.5	Describe design trade-offs in large-scale distributed systems
CO. No.	**Description**
Course Outcomes: C64 – Machine Learning (PE 625 IT)	
C64.1	Explain the strengths and weaknesses of many popular machine learning Approaches
C64.2	Recognize and implement various ways of selecting suitable model parameters for different machine learning techniques
C64.3	Design and implement various machine learning algorithms in a range of real-world applications
C64.4	Analyze the evolutionary learning, ensemble learning and dimentionality reduction.
C64.5	Analyse clustering large databases and categorical attributes.

CO. No.	Description
Course Outcomes:C65 – Information Storage and Management (PE 630 IT)	
C65.1	Evaluate storage architecture; Demonstrate logical and physical components of a storage infrastructure including storage subsystems
C65.2	Analyze the different levels in RAID.
C65.3	Analyze storage networking technologies such as FC-SAN, NAS, IP-SAN and data archival solution – CAS.
C65.4	Articulate business continuity solutions including, backup and recovery technologies, and local and remote replication solutions.
C65.5	Identify parameters of managing and monitoring cloud storage infrastructure and describe common storage management activities and solutions
CO. No.	**Description**
Course Outcomes:C66 – Disaster Management (OE 601 CE)	
C66.1	Explain the terms and concepts related to Disaster Management
C66.2	Describe the various categories of disasters and its specific characteristics
C66.3	Explain the pre-disaster, during disaster and post disaster measures and Frameworks
C66.4	Describe the disaster management acts and frameworks specific to India
C66.5	List and explain various technological applications to aid disaster Management
CO. No.	**Description**
Course Outcomes:C67 – Embedded Systems Lab (PC 631 IT)	
C67.1	Apply the basic concepts to develop an Interface for 8051 and ARM processors.
C67.2	Develop various control applications like temperature, elevator and Traffic Controller.
C67.3	Develop embedded application using FPGAs, CPLDs and VHDL.
C67.4	Implement different Task Scheduling algorithms in RTOS.
C67.5	Applications development using RTOS.
CO. No.	**Description**
Course Outcomes:C68–Design and Analysis of Algorithms Lab (PC 632 IT)	
C68.1	Implement various searching and sorting techniques and estimate the complexities of searching and sorting algorithms.
C68.2	Solve knapsack problem using greedy method and dynamic programming
C68.3	Develop and implement shortest path algorithms using Travelling salesman problem and All pair shortest path problem.
C68.4	Apply backtracking technique to solve N-queen problem
C68.5	Construct graph traversals using breath first search and depth first search.

LORDS INSTITUTE OF ENGINEERING & TECHNOLOGY

Department of Information Technology

Course outcomes

Academic Year – 2021-2022 **Year: IV Semester: II (JNTUH)**

Student will be able to

CO. No.	Description
Course Outcomes: C421 – Organizational Behavior (CS 815 PE)	
C421.1	Describe the conceptual framework and the theories underlying Organizational Behavior
C421.2	Demonstrate how to make better decisions both individually and in a group.
C421.3	Analyze the interpersonal communication process to increase their effectiveness as communicators.
C421.4	Describe how to ethically use power, politics, and influence to accomplish their work.
C421.5	Apply different motivational theories and methods to increase the productivity and job satisfaction of employees.
CO. No.	**Description**
Course Outcomes: C422 – Cyber Forensics (SM 801 MS)	
C422.1	Identify Cyber Crime and distinguish types of Worms and Virusus
C422.2	Conduct Initial Response and perform data collection in the processes of Forensic creation.
C422.3	Perform Forensics Analysis and Validation and Network Forensics
C422.5	Analyse File System, Windows Registry and Virtual Machines.
CO. No.	**Description**
Course Outcomes: C423 –Environmental Impact Assessment (CE800OE)	
C423.1	Identify the environmental attributes to be considered of the EIA study.
C423.2	Formulate objectives of EIA
C423.3	Identify the methodology to prepare rapid EIA
C423.4	Prepare EIA reports and environmental management plans
C423.5	Apply Life Cycle Assessment (LCA) Methodologies:
CO. No.	**Description**
Course Outcomes: C424 –Project Stage-II (IT802PC)	
C424.1	Identify the environmental attributes to be considered of the EIA study.
C424.2	Formulate objectives of EIA
C424.3	Identify the methodology to prepare rapid EIA
C424.4	Prepare EIA reports and environmental management plans
C424.5	Apply Life Cycle Assessment (LCA) Methodologies: