LORDS INSTITUTE OF ENGINEERING & TECHNOLOGY
Department of Information Technology

Course Outcomes

Academic Year – 2020-2021 **Semester: III (OU)**

Student will be able to

CO. No.	Description
Course Outcomes: C31 - Effective Technical Communication in English(HS201EG)	
C31.1	Handle technical communication effectively
C31.2	Use different types of professional correspondence
C31.3	Use various techniques of report writing
C31.4	Acquire adequate skills of manual writing
C31.5	Enhance their skills of information transfer and presentations
CO. No.	**Description**
Course Outcomes: C32 - Finance and Accounting(HS202CM)	
C32.1	Evaluate the financial performance of the business unit.
C32.2	Take decisions on selection of projects.
C32.3	Take decisions on procurement of finances.
C32.4	Analyze the liquidity, solvency and profitability of the business unit.
C32.5	Evaluate the overall financial functioning of an enterprise.
CO. No.	**Description**
Course Outcomes: C33 Mathematics - III(Probability and statistics)(BS207MT)	
C33.1	Describe Probability, Conditional Probability, Random Variables and Probability Density Functions.
C33.2	Obtain the knowledge of some standard discrete probability distributions and its moments, kurtosis and skewness.
C33.3	Obtain the knowledge of some standard Continuous Probability distributions, Uniform and Exponential distributions.
C33.4	Learn the concepts of cure fitting correlation, regression, and obtain the knowledge on test of significances.
C33.5	Get the knowledge of testing of hypothesis for various parameters.
CO. No.	**Description**
Course Outcomes: C34 - Basic Electronics(ES214EC)	
C34.1	Study and Analyze the Rectifiers and Regulator Circuits.
C34.2	Analyze the construction & working of active devices like BJT & FET in various modes.
C34.3	Recognize the type of feedback and analyze its effect on amplifier characteristics and calculate the frequency of oscillation for different types of oscillator circuits.
C34.4	Analyze and design different circuits using Ideal Op Amps; Design simple digital circuits using logic gates.
C34.5	Analyze different data acquisition systems and data converters.

CO. No.	Description
Course Outcomes: C35 - Digital Electronics(ES216EC)	
C35.1	Explain the design process of digital hardware, use Boolean Algebra to minimize the logical expressions and optimize the implementation of logical functions.
C35.2	Explain the number representation and design combinational circuits like adders, MUX etc.
C35.3	Design Combinational circuits using PLDS and write Verilog HDL code for basic gates and combinational circuits.
C35.4	Analyse sequential circuits using flip-flops and design registers, counters.
C35.5	Represent a sequential circuit using Finite State Machine and apply state minimization techniques to design a FSM.
CO. No.	**Description**
Course Outcomes: C36 - Data Structures(PC221IT)	
C36.1	Implement the features of c++ and analyse time complexity of both iterative and recursive functions
C36.2	Define ADT necessary for solving problems based on Stacks and Queues using array implementation.
C36.3	Describe the Linked Lists and Use Hash functions and Handle Collisions
C36.4	Develop solutions using Binary Search Trees, Balanced BST and AVL Trees.
C36.5	Apply various searching and sorting techniques. Define Graph ADT and Graph Traversal Techniques.
CO. No.	**Description**
Course Outcomes: C37 - Mathematical Foundations and Information Technology(PC222IT)	
C37.1	Describe and use statements, notations, normal forms, predicates and rules of inference.
C37.2	Illustrate by examples the basic terminology of functions, relations, and sets and demonstrate knowledge of their associated operations.
C37.3	Explain basics of counting; apply permutations and combinations to handle different types of objects.
C37.4	Use recursively defined relationships to solve homogenous and non-homogenous recurrence relations.
C37.5	Represent and apply Graph Theory in solving computer science problems.

CO. No.	Description
Course Outcomes: C38 - Basic Electronics Lab(ES251EC)	
C38.1	Design diode circuits & demonstrate the application of Zener diode.
C38.2	Analyse characteristics of BJTs & FETs.
C38.3	Demonstrate the different oscillator circuits.
C38.4	Demonstrate operation of HWR & FWR circuits with & without filters
C38.5	Design Analog-to-Digital converters & Digital-to-Analog converters.
CO. No.	**Description**
Course Outcomes: C39 - Data Structures Lab(PC252IT)	
C39.1	Implement various data structures using arrays, linked lists.
C39.2	Develop ADT necessary for solving problems based on Stacks and Queues.
C39.3	Implement binary trees, general tree structures, advanced Search trees, heaps, graphs.
C39.4	Implement hash functions and handle collisions.
C39.5	Implement various kinds of sorting techniques and apply appropriate techniques for solving a given Problem.
CO. No.	**Description**
Course Outcomes: C311 - IT Workshop Lab(PC253IT)	
C310.1	Implement basic syntax in python.
C310.2	Demonstrate python looping, control statements and string manipulations
C310.3	Represent compound data using Python lists, tuples, and dictionaries
C310.4	Describe OOP Concepts and Perform various file management actions, Regular Expressions
C310.5	Implement MATLAB operations and graphic functions.

Course Outcomes

Academic Year – 2020-2021 **Semester: III-I (JNTUH)**

Student will be able to

CO. No.	Description
Course Outcomes:C311 – Formal Languages and Automata Theory (CS 501 PC)	
C311.1	Demonstrate the concept of abstract machines and their power to recognize the languages
C311.2	Able to employ finite state machines for modeling and solving computing problems.
C311.3	Able to design context free grammars for formal languages.
C311.4	Able to distinguish between decidability and undecidability.
C311.5	Able to gain proficiency with mathematical tools and formal methods.
CO. No.	**Description**
Course Outcomes:C312 – Software Engineering (CS 502 PC)	
C312.1	Ability to translate end-user requirements into system and software requirements.
C312.2	Ability to structure the requirements in a SRS
C312.3	Identify the appropriate software Architecture and patterns to carry out high level design.
C312.4	Apply the appropriate patterns to carry out high level design able to critically compare alternative choice
C312.5	Develop a simple testing report with awareness of testing problems.
CO. No.	**Description**
Course Outcomes: C313- Data Communication and Computer Networks (IT 503 PC)	
C313.1	Explain & Design the various reference models and networks
C313.2	Apply channel allocation, framing, error and flow control techniques.
C313.3	Describe the functions of Network Layer i.e. Logical addressing, subnetting & Routing mechanism
C313.4	Explain the different Transport Layer function i.e. Port addressing, Connection Management, Error control and Flow control mechanism.
C313.5	Explain and use various application layer protocols HTTP, DNS, SMTP, FTP etc.

CO. No.	Description
Course Outcomes: C314-Web Programming (IT 504 PC)	
C314.1	Design web pages using HTML and CSS.
C314.2	Apply object-oriented aspects to Scripting.
C314.3	Create databases with connectivity using JDBC
C314.4	Build web-based application using sockets.
C314.5	Demonstrate the XML document structure
CO. No.	**Description**
Course Outcomes:C315 –Principles of Programming Languages(CS 515 PE)	
C315.1	Comprehend the requirements for Programming Language Evaluation
C315.2	Learn about variables, their Scopes, Data Types, Operators, and Control Structures.
C315.3	Gain the knowledge of design and implementation of Blocks and Sub-programs in various Programming Languages
C315.4	Contrast how the concurrency is implemented/achieved in various Programming Languages.
C315.5	Implementation of features of Programming Languages like Scripting Languages.
CO. No.	**Description**
Course Outcomes:C316 –Machine Learning(IT 523 PE)	
C316.1	Describe the concepts of Machine Learning, find-S, Candidate Elimination Methods and Decision Tree
C316.2	Demonstarte and to apply Artificial Neural Networks-1,2, and be able to compare the Evaluation hypothesis.
C316.3	Analyze the Bayesian Computational and Instance Based Learning and other Algorithms
C316.4	Familiar with Genetic Algorithms, Set Rules, and Reinforcement Learning
C316.5	Analyze the pattern approach comparison techniques using PROLOG for Analytic Learing-1,2.
CO. No.	**Description**
Course Outcomes:C317– Software Engineering Lab (CS 505 PC)	
C317.1	Ability to translate end-user requirements into system and software requirements
C317.2	Ability to generate a high-level design of the system from the software requirements
C317.3	Apply appropriate software architectures and patterns to carry out high level design of a system and be able to critically compare alternative choices
C317.4	Develop a simple testing report considering awareness of testing problems

C317.5	Develop a simple testing report for the problem statement

CO. No.	Description
Course Outcomes:C318 –Computer Network and Web Programming Lab (IT 506 PC)	
C318.1	Implement data link layer farming methods
C318.2	Analyze error detection and error correction codes.
C318.3	Implement and analyze routing and congestion issues in network design.
C318.4	Implement Encoding and Decoding techniques used in presentation layer.
C318.5	Learn to work with different network tools
C318.1	Implement data link layer farming methods

CO. No.	Description
Course Outcomes:C319– Advanced Communication Lab(EN 508 HS)	
C319.1	improve the students' fluency in English, through a well-developed vocabulary activities
C319.2	Perform different Activities on Reading Comprehension
C319.3	perform different Activities on Writing Skills
C319.4	understand the structure of a good presentation, and devise various techniques for delivering a successful presentation
C319.5	To understand the strategies of the interviewers to facilitate better responses during the 'Placement' interviews.