LORDS INSTITUTE OF ENGINEERING & TECHNOLOGY
Department of CSE (Data Science)

Course Outcomes

Academic Year – 2021-2022   **Semester: III (OU)**
Student will be able to

CO. No.	Description
Course Outcomes: MC802CE –Environmental Science	
C802.1	Adopt environmental ethics to attain sustainable development.
C802.2	Develop an attitude of concern for the environment.
C802.3	Conservation of natural resources and biological diversity.
C802.4	Creating awareness of Green technologies for nation's security.
C802.5	Imparts awareness for environment allows and regulations.
CO. No.	**Description**
Course Outcomes: MC803PY - Essence of Indian Traditional Knowledge	
C803.1	Understand philosophy of Indian culture.
C803.2	Distinguish the Indian languages and literature among difference traditions.
C803.3	Learn the philosophy of ancient ,medieval and modern India
C803.4	Acquire the information about the fine arts in India.
C803.5	Know the contribution of scientists of different eras.
CO. No.	**Description**
Course Outcomes: HS103ME – Operations Research	
C103.1	Prepare the students to have the knowledge of Linear Programming Problem inOperations

C103.2	Researchattheendstudentswouldbeabletounderstandtheconceptanddevelopthemodelsfordifferentapplications
C103.3	Make students understand the concept Replacement models at the end students wouldable to explain various features and applications of replacement models in real-time scenario
C103.4	Prepare the students to understand theory of Game in operations research at the endstudents would able to explain application of Game theory in decision making of raconflict
C103.5	Prepare the students to have the knowledge of Sequencing model at the end studentwould able to develop optimum model for job scheduling.

CO. No.	Description

Course Outcomes: ES306EC – Basic Electronics

C306.1	Study and analy set here ctifiers and regulator circuits.
C306.2	Study and analyse the performance of BJTs, FET son the basis of their operation andworking.
C306.3	Ability to analyze & design oscillator circuits
C306.4	Ability to analyze different logic gates & multi-vibrator circuits.
C306.5	Ability to analyze different data acquisition systems

CO. No.	Description

Course Outcomes: PC301CD – Data Structures and Algorithms

C301.1	Understand the importance of abstract data type and implementing the concepts ofdata structure using abstract data type.
C301.2	Evaluate an algorithm by using algorithmic performance and measures
C301.3	Distinguish between linear and non-linear data structures and their representations intheme moray using array and linked list.
C301.4	Develop applications using Linear and Non-linear data structures

CO. No.	Description
C301.5	Determine the suitability of the standard algorithms :Searching, Sorting andTraversals

CO. No.	Description

Course Outcomes: PC302CD – Discrete Mathematics

CO. No.	Description
C302.1	Apply Propositional and Predicate logic for avariety of problems in various domains.
C302.2	Understand Set Theory, Venn Diagrams, relations, functions and apply them to Real-worlds cenarios
C302.3	To identify the basic properties of graphs and trees and use these concepts to modelsimple applications.
C302.4	Understand General properties of Algebraic system sand study lattice saspartiallyordered sets and their applications
C302.5	Apply the knowledge and skills obtained to investigate and solve a variety of discretemathematics problems.

CO. No.	Description

Course Outcomes: PC303CD – Programming Languages

CO. No.	Description
C303.1	Ability to express syntax and semantics informal notation
C303.2	Ability to apply suitable programming paradigm for the application.
C303.3	Gain Knowledge and comparis on of the features programming languages
C303.4	programming different language paradigms and evaluate the irrelative benefits
C303.5	Identify and describe semantic issues associated with variable binding, scoping rules,parameter passing, and exception handling.

CO. No.	Description

Course Outcomes: PC304CD – Python Programming

CO. No.	Description
C304.1	Develop essential programming skills in computer programming concepts like datatypes, containers
C304.2	Apply the basics of programming in the Python language

CO. No.	Description
C304.3	Solve coding tasks related conditional execution, loops
C304.4	Solve coding tasks related to the fundamental notions and techniques used in objectoriented programming
C304.5	Write basic programs related to basic library modules.

CO. No.	Description
Course Outcomes: PC351EC – Basic Electronics Lab	
C351.1	Ability to design diode circuits & understand the application of Zener diode.
C351.2	Ability to analyze characteristics of BJTs &FETs
C351.3	Ability to understand the different oscillator circuits.
C351.4	Ability to understand operation of HWR & FWR circuits with & without filters.
C351.5	Ability to design Analog-to-Digital converters &Digital-to-Analog converters.

CO. No.	Description
Course Outcomes: PC352CD – Data Structures and Algorithm using C Lab	
C352.1	Implement the abstract data type and reusability of a particular data structure
C352.2	Implement linear data structures such as stacks, queues using array an delinked list
C352.3	Understand and implements non-linear data structures such as trees, graphs.
C352.4	Implement hash function sand handle collisions.
C352.5	Implement various kinds of sorting techniques and apply appropriate techniques for solving a given problem
C352.6	Understanding and implementing hashing techniques.

CO. No.	Description
Course Outcomes: PC353CD – Python Programming Lab	
C353.1	Implement basic syntax in python.
C353.2	Analyze and implement different kinds of OOP concept in real world problems.
C353.3	Implement MATLAB operations and graphic functions.
C353.4	Acquire coding tasks related to the fundamental notions and techniques used in objectoriented programming
C353.5	Write basic programs related to basic library modules.

Course Outcomes

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

Student will be able to

CO. No.	Description
Course Outcomes: MC801PO – Indian Constitution	
C801.1	Know the background of the present constitution of India.
C8012	Understand the working of the union, state and local levels
C801.3	Gain consciousness on the fundamental rights and duties.
C801.4	Beabletounderstandthefunctioninganddistributionoffinancialresourcesbetweenthecent reandstates.
C801.5	Be exposed to the reality of hierarchical Indian social structure and the ways the grievances of the deprived sections can be addressed to raise human dignity in ademocratic way.

CO. No.	Description
Course Outcomes: HS104EG – Effective Technical Communication in English	
C104.1	Handle technical communication effectively
C104.2	Use different types of professional correspondence
C104.3	Use various techniques of report writing
C104.4	Acquire adequate skills of manual writing
C104.5	Enhance their skills of information transfer and presentations

CO. No.	Description
Course Outcomes: HS105CM – Finance and Accounting	
C105.1	Evaluate the financial performance of the business unit.

CO. No.	Description
C105.2	Take decisions on selection of projects.
C105.3	Take decisions on procurement of finances.
C105.4	Analyze the liquidity, solvency and profitability of the business unit.
C105.5	Evaluate the overall financial functioning of an enterprise

CO. No.	Description

Course Outcomes: BS205MT – M-III (Probability and Statistics)

CO. No.	Description
C205.1	Compute and interpret descriptive statistics
C205.2	Evaluate random processes which occur in engineering applications governed by theBinomial, Poisson, Normal and Exponential distributions
C205.3	Fit the models using Regression Analysis.
C205.4	Apply Inferential Statistics to make predictions or judgments about the populationfrom which the sample
C205.5	Interpret Time series data

CO. No.	Description

Course Outcomes: ES305EC – Signals and Systems

CO. No.	Description
C305.1	Define and differentiate types of signals and systems in continuous and discrete time
C305.2	Apply the properties of Four iertrans form for continuous time signals
C305.3	Relate Laplacetrans formsto solve differential equations and to determine the response of the Continuous Time Linear Time Invariant Systems to known inputs
C305.4	Apply Z-transforms for discrete time signals to solve Difference equations
C305.5	Obtain Linear Convolution and Correlation of discrete time signals with graphicalrepresentation

CO. No.	Description
Course Outcomes: PC401CD – OOP using JAVA	
C401.1	Identify classes, objects, members of a class and the relationships needed to solve a problem.
C401.2	Use interfaces and creating user –defined packages.
C401.3	Utilize exception handling and Multithreading concepts to develop Java programs.
C401.4	Compose programs using the Java Collection API.
C401.5	Design a GUI using GUI components with the integration of event handling.

CO. No.	Description
Course Outcomes: PC402CD – Operating Systems	
C402.1	Identify System calls and evaluate process scheduling criteria of OS.
C402.2	Develop procedures for process synchronization of an OS.
C402.3	Demonstrate the concepts of memory management and of disk management. .
C402.4	Solve issues related to file system interface and implementation, I/O systems.
C402.5	Describe System model for deadlock, Methods for handling deadlocks

CO. No.	Description
Course Outcomes: PC403CD – Database Management Systems	
C403.1	Understand the mathematical foundations on which RDBMS are built
C403.2	Model asset of requirements using the Extended Entity Relationship Model(EER), transform an EER model in to a relational model and refine the relational model usingtheory of normalization

CO. No.	Description
C403.3	Develop Database application using SQL and Embedded SQL
C403.4	Use the knowledge of file organization and indexing to improve database applicationperformance.
C403.5	Apply and relate how to evaluate a set of queries in query processing

CO. No.	Description
Course Outcomes: PC451CD – Operating Systems Lab	
C451.1	Evaluate the performance of different types of CPU scheduling algorithms.
C451.2	Implement producer-consumer problem, reader-writers problem, Diningphilosopher's problem.
C451.3	Simulate Banker's algorithm for deadlock avoidance.
C451.4	Implement paging replacement and disk scheduling techniques.
C451.5	Use different system calls for writing application programs.

CO. No.	Description
Course Outcomes: PC452CD – OOP using JAVA Lab	
C452.1	Design interfaces and packages.
C452.2	Compose program for implementation of multithreading concepts.
C452.3	Develop program using Collection Framework.
C452.4	Develop small GUIs using GUI components with the integration of event handling.
C452.5	Write programs using the Java Concepts.

CO. No.	Description
Course Outcomes: PC453CD – Database Management Systems Lab	
C353.1	Design and implement a database schema for a given problem
C353.2	Populate and query a database using SQL and PL/SQL
C353.3	Develop multi-user database application using locks
C353.4	Develop solutions for database applications using procedures, cursors and triggers
C353.5	Design database schema for a given application and apply normalization