



# LORDS INSTITUTE OF ENGINEERING AND TECHNOLOGY

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

### COURSE OUTCOMES

**A.Y 2023-24**

#### IV Semester

**Name of the Course: Mathematics-III (Probability and statistics )**

Course. No	Outcomes
C241.1	Understand the basic concepts of set theory and able to apply basic set operations in problem solving.
C241.2	Understand relation and function and their properties and also able to understand their use in programming applications.
C241.3	Understand Partially ordered set, lattice concept in various application.
C241.4	Understand the concept of graph, Euler graph, Hamiltonian graph and special kind of graph and also able to model real world problems using graph theory.
C241.5	Apply the Laplace Transform, Inverse Laplace Transform and its properties to solve ODE
C241.6	Apply the concept of Fourier Transform and Inverse Fourier transform through properties.

**Name of the Course: English for Technical Communication**

Course. No	Outcomes
C242.1	Apply Technical communication skills effectively
C242.2	Adapt different types of official correspondence
C242.3	Construct report writing using various techniques
C242.4	Develop adequate skills of manual writing
C242.5	Interpre the information transfer from verbal to non-verbal data and vice-versa

**Name of the Course: Software Engineering**

Course. No	Outcomes
C243.1	Acquired working knowledge of alternative approaches and techniques for each phase of the software development.
C243.2	Judge and appropriate process model accessing software project attributes and analyze necessary requirements for the project development eventually composing SRS.
C243.3	Creation of visual models to describe (non-) algorithmic solution for the projects using various designs principles.
C243.4	Acquire skills necessary as an independent or as a part of the team for architecting to complete software project by identifying solutions for recurring problems exerting knowledge on patterns.
C243.5	Concede product quality through testing techniques employing appropriate metrics by understanding the practical challenges associated with the development of a significant software system.

**Name of the Course: Database Management Systems**

Course.No	Outcomes
C244.1	Design E-R models to represent simple database application scenarios and Construct database queries using database
C244.2	Construct database queries using relational algebra and calculus
C244.3	Recognize and identify the use of Normalization and functional dependency in database design
C244.4	Apply the concept of a data base transaction related concurrent, recovery facilities
C244.5	Apply and related how to evaluate a set of queries in query processing

**Name of the Course: JAVA Programming**

Course. No	Outcomes
C245.1	Familiarization of OOP concepts and basics of java programming
C245.2	Enumerate the concept of interfaces and exceptional handling, how to solve real world problems.
C245.3	Build java applications to utilize advanced mechanisms like multithreading and Analyze appropriate collections to solve programming problems.
C245.4	Design GUI applications using AWT and JDBC Connectivity.
C245.5	Explore Swing and apply the concept of servlets to solve programming problems.

**Name of the Course: Advanced Communication Skills for Professionals**

Course.No	Outcomes
C246.1	Improve the students' fluency in English, through a well-developed vocabulary
C246.2	Enable them to listen to English spoken at normal conversational speed by educated English speakers and respond appropriately
C246.3	Can communicate their ideas relevantly and coherently in writing.
C246.4	Analyze different socio-cultural and professional contexts.

**Name of the Course: Database Management Systems Lab**

Course.No	Outcomes
C247.1	Design database schema for a given application and normalization
C247.2	Gather Skills in using SQL command for data definition and data manipulation
C247.3	Demonstrate creation and usage of View and Stored Procedure using SQL
C247.4	Develop solution for database application using procedure, cursors and trigger
C247.5	To design and build a simple database system and demonstrate competence with the fundamental tasks involved with modelling, designing and implementing a DBMS

**Name of the Course: JAVA Programming Lab**

Course.No	Outcomes
C248.1	Develop java application using the concept of Inheritance, Interface, packages, access control specific
C248.2	Implement the concepts of exception handling in java application
C248.3	Read and write data using different I/O streams.
C248.4	Create Graphical user interface and Applet by applying the knowledge of Event Handling.
C248.5	Create robust application using java standard class libraries and retrieve the data from database with JDBC



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**COURSE OUTCOMES**  
**A.Y 2023-24**

**III Year-II Sem- (VI Semester)**

**Name of the Course: Business Economics and Financial Analysis**

Course.No	Outcomes
C361.1	Apply the concepts of business and economics during his professional and personal life
C361.2	Understand the elasticity of the demand of the product, different types, and measurement of elasticity of demand and factors influencing on elasticity of demand.
C361.3	Recognize the Production function, features of Iso-Quants and Iso-Costs, different types of internal economies, external economies and law of returns with appropriate examples
C361.4	Prepare the financial statements of the firm
C361.5	To Analyze the financial statements using ratio analysis and cash flow techniques.

**Name of the Course: Compiler Design**

Course.No	Outcomes
C362.1	Demonstrate phases in the design of compiler
C362.2	Organize Syntax Analysis, Top Down and LL(1) grammars
C362.3	Design Bottom Up Parsing and Construction of LR parsers.
C362.4	Analyze synthesized, inherited attributes and syntax directed translation schemes
C362.5	Determine algorithms to generate code for a target machine.

**Name of the Course: Computer Network**

Course.No	Outcomes
C363.1	Explain the function of each layer of OSI and trace the flow of information from one Node to another node in the network
C363.2	Familiarise with the Transmission Media, Flow Control and Error Detection and Correction
C363.3	Describe the principles of IP addressing and internet routing
C363.4	Implement client-server socket-based networked applications
C363.5	Describe the working of various networked applications such as DNS, mail, file transfer and www.

**Name of the Course: Artificial Intelligence**

Course.No	Outcomes
C364.1	Illustrate basic principles of AI in solutions that require problem solving, search, inference
C364.2	Demonstrate understanding of steps involved in building of intelligent agents, expert systems, bayesian networks
C364.3	Differentiate between learning paradigms to be applied for an application
C364.4	Demonstrate Expert system its utilization
C364.5	Illustrate AI application machine learning & its types.

**Name of the Course: Road Safety Engineering**

Course.No	Outcomes
<b>C365.1</b>	Understand the fundamentals of traffic safety analysis
<b>C365.2</b>	Analyze Accident data
<b>C365.3</b>	Remember the concepts of road safety in urban transport
<b>C365.4</b>	Apply crasher duct-ion techniques
<b>C365.5</b>	Design of urban Infrastructure considering safety aspects.

**Name of the Course: Computer Network Lab**

Course.No	Outcomes
<b>C366.1</b>	Understand the usage of basic commands ipconfig, ifconfig, netstat, ping, arp, telnet, ftp, finger, trace route, who is of LINUX platform.
<b>C366.2</b>	Develop and Implement Client-Server Socket based programs using TCP, and UDP sockets.
<b>C366.3</b>	To make a client server communication through TCP and UDP protocols.
<b>C366.4</b>	To expose on advanced socket programming in LINUX environment.
<b>C366.5</b>	Understanding of transport layer protocols : connection oriented and connection-less models, techniques to provide reliable data delivery.

**Name of the Course: Compiler Design Lab**

Course.No	Outcomes
<b>C367.1</b>	Design Lexical Analyzer for given language using C and Lex Tools
<b>C367.2</b>	Design and Generate various parser for the given CFG
<b>C367.3</b>	Generate machine code from the intermediate code forms
<b>C367.4</b>	Implement Symbol table
<b>C367.5</b>	Implement code optimization

**Name of the Course: Scripting language Lab**

Course.No	Outcomes
<b>C368.1</b>	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 application
<b>C368.2</b>	Design and implement dynamic websites with good aesthetic sense of designing
<b>C368.3</b>	Create web pages using HTML Cascading Style sheets
<b>C368.4</b>	Analyze a web page and identify its elements and attributes.
<b>C368.5</b>	Develop JSP applications implementing Session management and Database Connectivity.

**Name of the Course: Technical Seminar**

<b>Course.No</b>	<b>Outcomes</b>
<b>C369.1</b>	Develop the habit of referring the Journals for Literature review
<b>C369.2</b>	Understand the gist of the research paper
<b>C369.3</b>	Identify the potential for further scope
<b>C369.4</b>	Present the work in an efficient manner
<b>C369.5</b>	Write the documentation in standard format

**Name of the Course: Aptitude and Reasoning Lab**

<b>Course.No</b>	<b>Outcomes</b>
<b>C3610.1</b>	Acquire the grasp of Data analysis and its interpretation through percentages and measures of central tendency
<b>C3610.2</b>	Calculate the problems pertaining to number series and reasoning ability.
<b>C3610.3</b>	Analyze the number system pattern and determine profit and losses
<b>C3610.4</b>	Evaluate proportions and tackle time framework situations
<b>C3610.5</b>	Understand and apply combinatorics, clock-calendar concepts and geometry of plane and solid figures.



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**COURSE OUTCOMES**

**A.Y- 23-24**

**Year IV Yr – II Semester ( VIII Semester)**

**Name of the Course: Intellectual Property Rights**

Course.No	Outcomes
C481.1	Classify the intellectual property rights to provide the legal rights, patents, trademarks, copyrights and trade secrets.
C481.2	Outline the importance of intellectual property in organizations of different industrial sectors for the purpose of product and technology development.
C481.3	Interpret the purpose in the category of marks for the international trademark registration.
C481.4	Extend the fundamentals of copyright law and originality of material for the rights of reproduction.
C481.5	Summarize the trade secrets determination, misappropriation and protection for submission and litigation.
C481.6	Utilize the new international developments for trademarks law, copyright law and patent law.

**Name of the Course: Road Safety Engineering**

Course.No	Outcomes
C482.1	Understand the fundamentals of traffic safety analysis
C482.2	Analyze Accident data
C482.3	Remember the concepts of road safety in urban transport
C482.4	Apply crasher duct-ion techniques
C482.5	Design of urban Infrastructure considering safety aspects.
C482.6	Apply road safety audit at all stages

**Name of the Course: Project Stage - II**

Course.No	Outcomes
C483.1	Demonstrate the ability to synthesize and apply the knowledge and skills acquired in the academic program to real-world problems.
C483.2	Evaluate different solutions based on economic and technical feasibility.
C483.3	Effectively plan a project and confidently perform all aspects of project management
C483.4	Demonstrate effective written and oral communication skills