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

Course Outcomes

Academic Year – 2022-2023

Semester: VI (OU)

Student will be able to

CO. No.	Description
Course Outcomes: PC601– Compiler Design(PC601CD)	
C601.1	Understand for a given grammar specification, develop the lexical analyzer
C601.2	For a given parser specification, able to design top-down and bottom-up parsers. Develop syntax directed translation schemes.
C601.3	Understand about Syntax directed Translation and Symbol table
C601.4	Understand Intermediate code generation
C601.5	Develop algorithms to generate code for target machine.

CO. No.	Description
Course Outcomes: PC602– Computer Networks(PC602CD)	
C602.1	Explain the functions of the different layer of the OSI and TCPIIP Protocol.
C602.2	Understand wide-area networks (WANs), local area networks (LANs) and Wireless LANs (WLANs) describe the function of each block.
C602.3	Able to illustrate network layer and transport layer protocols. For a given problem related
C602.4	TCPIIP protocol developed the network programming
C602.5	Configure DNS , EMAIL, SNMP, Bluetooth, Firewalls using open source available software and tools.

CO. No.	Description
Course Outcomes: PC603 – Data Mining (PC603CD)	
C603.1	Understand Basic Concepts of Data mining
C603.2	Understand Patterns, Associations and correlations of Data Mining methods
C603.3	Organize and Prepare the data needed for data mining using preprocessing techniques Implement the appropriate data mining methods like classification, clustering or Frequent Pattern mining on a given dataset
C603.4	Define and apply metrics to measure the performance of various data mining algorithms
C603.5	Understanding the importance of data mining application and using the most appropriate approach or trend for the realistic strategy.

CO. No.	Description
Course Outcomes:PC623 – Software Testing Methodologies (PC623CD)	
C623.1	Ability to apply the process of testing and various methodologies in testing for Developed software

C623.2	Ability to apply the Transaction flow
C623.3	Abilitytowritetestcasesforgivensoftwaretotestitbeforedeliverytothecustomer.

C623.4	Understand about the path and path expressions.
C623.5	Understand about state graphs and matrix algorithm and building tool.

CO. No.	Description

Course Outcomes: PE624 – Cyber Security (PE624CD)

C624.1	Understand basic Cyber crime and security issues.
C624.2	Ability to identify information Cyber crime devices and cyber offenses.
C624.3	Ability to understand the current legal issues towards information security.
C624.4	Understand about tools and methods used in cyber crime
C624.5	Understand about cyber security tools and social media protection

CO. No.	Description

Course Outcomes:PE633 – Software Project Management (PE633CD)

C633.1	Identify the different project contexts and suggest an appropriate management strategy
C633.2	Practice the role of professional ethics in successful software development
C633.3	Identify and describe the key phases of project management
C633.4	Determine an appropriate project management approach through an evaluation of the business context and scope of the project
C633.5	Understand about Manning software management people

CO. No.	Description

Course Outcomes:PC651 – Computer Networks Lab (PC651CD)

C651.1	Implement various protocols using TCP and UDP.
C651.2	Program using sockets
C651.3	Use simulation tools to analyze the performance of various network protocols.
C651.4	Implement and Analyze various routing algorithms
C651.5	Implement of Application layer protocols

CO. No.	Description
Course Outcomes:PC652 – Data Mining Lab (PC652CD)	
C652.1	Create Data warehouse models
C652.2	Apply data mining techniques and methods to large data sets.
C652.3	Use data mining tools
C652.4	Compare and contrast the various classifiers.
C652.5	Apply commercial application
CO. No.	**Description**
Course Outcomes:PE653 – Summer Internship (PE653CD)	
C653.1	Able to design/develop a small and simple product in hardware or software.
C653.2	Able to complete the task or realize a pre-specified target, with limited scope, rather than taking up a complex task and leave it
C653.3	. Able to learn to find alternate viable solutions for a given problem and evaluate these alternatives with reference to pre-specified criteria
C653.4	Able to implement the selected solution and document the same
C653.5	Able to implement the selected solution and document.

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AcademicYear–2023-2024   **Semester: IV(AUT)**

Student will be able to

CO. No.	Description
CourseOutcomes:U21EN401–EnglishforTechnical Communication(U21EN401)	
C401.1	Compute and interpret descriptive statistics.
C401.2	Evaluaterandomprocesseswhichoccurinengineeringapplicationsgovernedbythe Binomial, Poisson, Normal and Exponential distributions.
C401.3	Fit the models using Regression Analysis.
C401.4	ApplyInferentialStatisticstomakepredictionsorjudgmentsaboutthepopulation from which the sample data is drawn.
C401.5	Interpret Time series data.

CO. No.	Description
CourseOutcomes:U21MA402–Mathematics–III(U21MA402)	
C402.1	Apply technical communication skills effectively
C402.2	Adapt different types of official correspondence
C402.3	Construct report writing using various techniques
C402.4	Develop adequate skills of manual writing
C402.5	Interpret the information transfer from verbal to non-verbal data and vice-versa

CO. No.	Description
CourseOutcomes:U21CS403–JAVAProgramming (U21CS403)	
C403.1	Understand the ideas of mathematical induction to recursion and recursively defined structures.
C403.2	PreparethestudentstohavetheknowledgeofLinearProgrammingProblemin Operations.
C403.3	Researchattheendstudentswouldbeabletounderstandtheconceptanddevelop the models for different applications.

CO. No.	Description
C403.4	Make students understand the concept Replacement models at the end students wouldabletoexplainvariousfeaturesandapplicationsofreplacementmodelsin Real time scenario.
C403.5	Preparethestudentstounderstandtheoryof Gameinoperationsresearchattheend studentswouldabletoexplainapplicationofGametheoryindecisionmakingfora conflict

CO. No.	Description
	U21ME307–OPERATIONSRESEARCH (U21ME307)
C307.1	Achieveproficiencyinobject-orientedconceptsandalsolearnstoincorporatethesameintothe Javaprogramming language.
C307.2	Create Java application programs using sound OOP practices e.g. Inheritance, interfaces and proper program structuring by using packages, access control specifiers.
C307.3	Understand and Implement the concepts of Exception Handling in JAVA.
C307.4	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.
C307.5	Understand File, Streams, Input and Output Handling in java.

CO. No.	Description
	CourseOutcomes:U21CD401– Basicsof Data Science(U21CD401)
C401.1	Understand the basic concepts in data science, including real world applications.
C.401.2	Understand fundamentals of data and Data Mining Principles.
C401.3	To Understand importance of qualitative data, terminologies related to Data Science.
C401.4	UnderstandandExtractknowledgeusingdatapreprocessingconceptsindatascience.
C401.5	Understand the basics of R Programming environment: R language, R-studio and R packages.

CO.No.	Description
	CourseOutcomes:U21EN4L1–AdvancedCommunicationSkillsLab (U21EN4L1)
C4L1.1	Organize ideas relevantly and coherently in their communication
C4L1.2	Analyze and comprehend the text inferentially
C4L1.3	Write Resume/CV and Cover letter effectively
C4L1.4	Practice oral presentations confidently
C4L1.5	Participate in group discussion dynamically and face inter views optimistically.

CO.No.	Description
CourseOutcomes:U21CS4L1 –JAVAProgrammingLab(U21CS4L1)	
C407.1	Develop Java applications using the concepts of Inheritance, interfaces, packages, access control specifiers.
C407.2	Implement the concepts of Exception Handling in java Applications.
C407.3	Read and write data using different Java I/O streams.
C407.4	Create graphical user interfaces and Applets by applying the knowledge of Event Handling.
C407.5	Create robust applications using Java standard class libraries and retrieve data from a database with JDBC.
CO.No.	Description
CourseOutcomes:U21CD4L1– DataScience UsingR lab(U21CD4L1)	
C408.1	After completing this course, the student will be able to:
C408.2	Work with Data Science using R Programming environment
C408.3	Implementvariousstatisticalconceptlikelinearandlogisticregression
C408.4	Perform Classification and Clustering using appropriate dataset
C408.5	Able to Choose classifier for classification problem.