LORDS INSTITUTE OF ENGINEERING & TECHNOLOGY
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Department of Information Technology

Course Name: Software Engineering (CS502PC)

Year / Sem: III/ I

CO. No.	Course Outcomes	Bloom's Taxonomy Level
CS502PC.1	Ability to translate end-user requirements into system and software requirements, using UML, and structure the requirements in software Requirements Document.	Create
CS502PC.2	Identifying appropriate software architectures and patterns to carry out high level design of a system.	Remember
CS502PC.3	Apply appropriate software architectures and patterns to carry out high level design of a system and be able to critically compare alternative choices.	Apply
CS502PC.4	Will have experience and/or awareness of testing.	Analyze
CS502PC.5	To solve the problem statement and will be able to develop a simple testing report.	Evaluate

Course Name: Principles of Programming Languages (CS515PE)

Year / Sem: III/ I

CO. No.	Course Outcomes	Bloom's Taxonomy Level
CS515PE.1	Understand Basic Concepts of Programming Language	Understand
CS515PE.2	Express syntax and semantics in formal notation.	Create
CS515PE.3	Get ability to apply suitable programming paradigm for the application	Apply
CS515PE.4	Gain knowledge and comparison of the features programming languages	Evaluate
CS515PE.5	Understand the basic concepts of Variables, Storage, Binding and Scope rules of different languages	Analyze

Course Name: DATA COMUNIATION AND COMPUTER NETWORKS (IT503PC)Year / Sem: III/I

CO. No.	Course Outcomes	Bloom's Taxonomy Level
IT503PC.1	**Explain & Design** the various reference models and networks	Analyze
IT503PC.2	**Identify** the different types of network devices and Multiple Access Protocols	Understand
IT503PC.3	**Use** various routing mechanisms for finding shortest path in the network	Analyze
IT503PC.4	**Use** IP addressing Scheme and to interconnect various networks	Analyze
IT503PC.5	**Explain and use** various application layer protocols: HTTP, DNS, and SMTP,FTPetc	Understand

Course Name: WEB PROGRAMMING (IT504PC) **Year / Sem: III/I**

CO. No.	Course Outcomes	Bloom's Taxonomy Level
IT504PC.1	Design web pages.	Create
IT504PC.2	Use technologies of Web Programming.	Understand
IT504PC.3	Apply object-oriented aspects to Scripting.	Analyze
IT504PC.4	Create databases with connectivity using JDBC	Apply
IT504PC.5	Build web-based application using sockets.	Create

Course Outcomes: Machine Learning (IT523PE) **Year / Sem: III/I**

CO. No.	Course Outcomes	Bloom's Taxonomy Level
IT523PE.1	Understand the concepts of computational intelligence like machine learning	Understand
IT523PE.2	Ability to get the skill to apply machine learning techniques to address the real time problems in different areas	Apply
IT523PE.3	Understand the Neural Networks and its usage in machine learning application.	Apply
IT523PE.4	Understand computational learning theory	Apply
IT523PE.5	To study the pattern comparison techniques	Apply
IT523PE.6	Illustrate the working of classifier models like SVM, Neural Networks and identify classifier model for typical machine learning applications.	Apply

Course Outcomes: Machine Learning (CS501PC) **Year / Sem: III/I**

CO. No.	Course Outcomes	Bloom's Taxonomy Level
CS501PC.1	Understand the concept of abstract machines and their power to recognize the languages.	Understand
CS501PC.2	Employ finite state machine for modeling and solving computing problems.	Evaluate
CS501PC.3	Design context free grammars for formal languages.	Create
CS501PC.4	Distinguish between decidability and undesirability.	Analyze
CS501PC.5	Gain proficiency with mathematical tools and formal methods	Understand

Course Name: Software Engineering Lab (CS505PC) Year / Sem: III/ I

CO. No.	Course Outcomes	Bloom's Taxonomy Level
CS505PC.1	Ability to translate end-user requirements into system and software requirements	Create
CS505PC.2	Ability to generate a high-level design of the system from the software requirements	Remember
CS505PC.3	Apply appropriate software architectures and patterns to carry out high level design of a system and be able to critically compare alternative choices.	Apply
CS505PC.4	Will have experience and/or awareness of testing problems and will be able to develop a simple testing report	Analyze
CS505PC.5	To solve the problem statement and will be able to develop a simple testing report.	Evaluate

Course Name: Computer Networks & Web Programming Lab (IT506PC)

Year / Sem: III/ I

CO. No.	Course Outcomes	Bloom's Taxonomy Level
IT506PC.1	Implement data link layer farming methods	Create
IT506PC.2	Analyze error detection and error correction codes.	Analyze
IT506PC.3	Implement and analyze routing and congestion issues in network design.	Apply
IT506PC.4	Implement Encoding and Decoding techniques used in presentation layer.	Apply
IT506PC.5	To be able to work with different network tools	Evaluate

Course Name: Data Structures (PC221IT)

Year / Sem: II/ I

CO. No.	Course Outcomes	Bloom's Taxonomy Level
PC221IT.1	Implement linear, non-linear data structures and balanced binary trees	Apply
PC221IT.2	Understand the basic data structures arrays and linked lists.	Understand
PC221IT.3	Analyse time complexity of both iterative and recursive functions.	Analyse
PC221IT.4	Define ADT necessary for solving problems based on Stacks and Queues.	Apply
PC221IT.5	Develop solutions using binary trees, advanced search trees, tries and graphs.	Create

Course Name: Mathematical Foundations of Information Technology (PC222IT)

Year / Sem: II/ I

CO. No.	Course Outcomes	Bloom's Taxonomy Level
PC222IT.1	Illustrate by examples the basic terminology of functions, relations, and sets and demonstrate knowledge of their associated operations.	Understand
PC222IT.2	Understand basics of counting, apply permutations and combinations to handle different types of objects.	Understand
PC222IT.3	Describe and use recursively-defined relationships to solve problems using generating functions.	Apply
PC222IT.4	Analyse semi group, monoid group and abelian group with suitable examples and appreciate group theory applications in computer arithmetic.	Analyse
PC222IT.5	Demonstrate in practical applications the use of basic counting principles of permutations, combinations, inclusion/exclusion principle and the pigeonhole methodology.	Evaluate

Course Name: Data Structures Lab (PC252IT) Year / Sem: II/ I

CO. No.	Course Outcomes	Bloom's Taxonomy Level
PC252IT.1	Implement various data structures using arrays, linked lists.	Apply
PC252IT.2	Develop ADT necessary for solving problems based on Stacks and Queues.	Create
PC252IT.3	Implement binary trees, general tree structures, advanced search trees, heaps, graphs.	Apply
PC252IT.4	Implement hash functions and handle collisions.	Apply
PC252IT.5	Implement various kinds of sorting techniques and apply appropriate techniques for solving a given problem.	Apply

Course Name: IT Workshop Lab (PC253IT) Year / Sem: II/ I

CO. No.	Course Outcomes	Bloom's Taxonomy Level
PC253IT.1	Implement basic syntax in python.	Apply
PC253IT.2	Analyse and implement different kinds of OOP concept in real world problems.	Analyze
PC253IT.3	Implement MATLAB operations and graphic functions.	Apply
PC253IT.4	Implement object oriented concepts,	Apply
PC253IT.5	Implement database and GUI applications	Apply