



LORDS INSTITUTE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

AY:20-21
COURSE OUTCOMES

Year- II Year
Semester: IV Semester

Name of the Course: Indian Constitution

Course. No	Outcomes
C221.01	Know the background of the present constitution of India.
C221.02	Understand the working of the union, state and local levels.
C221.03	Gain consciousness on the fundamental rights and duties.
C221.04	Be able to understand the functioning and distribution of financial resources between the centre and states.
C221.05	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 a democratic way.

Name of the Course: Effective Technical Communication in English

Course.No	Outcomes
C222.01	Handle technical communication effectively
C222.02	Use different types of professional correspondence
C222.03	Use various techniques of report writing
C222.04	Acquire adequate skills of manual writing
C222.05	Enhance their skills of information transfer and presentations

Name of the Course: Finance and Accounting

Course.No	Outcomes
C223.01	To understand the basic concepts of financial accounting, cost accounting and management accounting
C223.02	To understand Accounting Standards and their Importance in Global Accounting Environment, to prepare, understand, interpret and analyze financial statements
C223.03	Understanding the procurement of Finance in Financial Marketsto Strengthening counties economy
C223.04	To understand the different activities of Capital budgeting techniques and how to

	select the projects.
C223.05	To understand the different kinds of Ratios like Liquidity, Turn over, Profitability, Leverage and Structural Ratios

Name of the Course: Mathematics – III (Probability & Statistics)

Course.No	Outcomes
C223.01	Understand the basic concepts of set theory and able to apply basic set operations in problem solving.
C223.02	Understand relation and function and their properties and also able to understand their use in programming applications.
C223.03	Understand Partially ordered set, lattice concept in various application.
C223.04	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.
C223.05	Apply the Laplace Transform, Inverse Laplace Transform and its properties to solve ODE
C223.06	Apply the concept of Fourier Transform and Inverse Fourier transform through properties.

Name of the Course: Signals and Systems

Course.No	Outcomes
C224.01	Define and differentiate types of signal and systems in continuous and discrete time.
C224.02	Apply the properties of Fourier transform for continuous time signals.
C224.03	Relate Laplace transforms to solve differential equations and to determine the response of the Continuous Time Linear Time Invariant Systems to known inputs.
C224.04	Apply Z-transforms for discrete time signals to solve Difference equations.
C224.05	Obtain Linear Convolution and Correlation of discrete time signals with graphical representations.

Name of the Course: OOP using JAVA

Course.No	Outcomes
C225.01	Achieve proficiency in object-oriented concepts and also learns to incorporate the same into the Java programming language.
C225.02	Create Java application programs using sound OOP practices e.g. Inheritance, interfaces and proper program structuring by using packages, access control specifiers
C225.03	Understand and Implement the concepts of Exception Handling in JAVA.

C225.04	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.
C225.05	Understand File, Streams, Input and Output Handling in java.

Name of the Course: Computer Organization

Course.No	Outcomes
C226.01	Design arithmetic and logic unit.
C226.02	Understand the architecture of 8086 microprocessor and its features with different addressing capabilities.
C226.03	Evaluate performance of the computer system and decode machine language.
C226.04	Explain different synchronous and asynchronous data transfer techniques.
C226.05	Define different number systems, binary addition and subtraction, 2's complement representation and operations with this representation.
C226.06	Design hypothetical parallel processor, pipelining and inter processor communication and will be able to evaluate performance of memory systems.

Name of the Course: Database Management Systems

Course.No	Outcomes
C227.01	Explain & demonstrate the basic elements of a relation database management system
C227.02	Design Components to explain the difference between traditional file system and DBMS..
C227.03	Identify to deal with different Data Base languages.
C227.04	Analyze the different data models for Data Base. Understand types of Data Base failures and Recovery.
C227.05	Able to Design data base and normalize data and write queries mathematically processed & executed.

Name of the Course: Computer Organization Lab

Course.No	Outcomes
C228.01	Design and Implement Basic Logic Gates C226.3 C226.4 C226.5 C226.6
C228.02	Design and Implement Basic decoder using gates,Decade counter
C228.03	Design and Implement 4:1,8:1 MUX,4 Bit shift register using flip flops
C228.04	Ability to write basic Assembly Language Programs using 8086
C228.05	Validate Program for boundary Conditions
C228.06	Write ALP to implement Procedures

Name of the Course: OOP using JAVA Lab

Course.No	Outcomes
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C229.01	Design the programs involving the basics programming constructs
C229.02	Analyze the concepts of classes, objects, methods constructors, overloading and overriding along with access controls
C229.03	Use the data abstraction, inheritance, polymorphism, encapsulation principles in structuring java applications
C229.04	Develop java programming using multithreading, files, collections with necessary exception handling
C229.05	Develop java programming using Database concepts with necessary exception handling
C229.06	Develop GUI applications using AWTs, Swings and applets.

Name of the Course: Database Management Systems Lab

Course.No	Outcomes
C2210.01	Ability to design and implement a database schema for given problem.
C2210.02	Apply the normalization techniques for development of application software to realistic problems on combinations.
C2210.03	Ability to formulate queries using SQL DML/DDD/DCL commands.
C2210.04	Develop solutions for database applications using procedures, cursors and triggers
C2210.05	Construct database models for different database applications.

***List Courses as per the order in university syllabus copies**



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AY:20-21
COURSE OUTCOMES

Year : III Year

Semester: II Semester

Name of the Course: Machine Learning

Course.No	Outcomes
C321.01	Understand the concepts of computational intelligence like machine learning
C321.02	Explore the skills to apply machine learning techniques to address the real time problems in different areas
C321.03	Understand the concept of learning and candidate elimination algorithms
C321.04	Explore on tree based decision tree learning
C321.05	Understand the Artificial Neural Networks and its usage in machine learning application.
C321.06	Understand the concepts of Bayesian learning, computational learning and instance-based learning

Name of the Course: Compiler Design

Course.No	Outcomes
C322.01	Design the compiler given the features of the languages.
C322.02	Implement practical aspect of automata theory.
C322.03	Explain different compiler generation tools.
C322.04	Implement Code optimization and Data flow analysis.
C322.05	Students are able to analyze semantics.

Name of the Course: Design and Analysis of Algorithms

Course.No	Outcomes
C323.01	Analyze performance of algorithms
C323.02	Apply the appropriate data structure and algorithm design method for a specified application.
C323.03	Understand how the choice of data structures and algorithm design methods impacts the performance of programs.
C323.04	Solve problems using algorithm design methods such as the greedy method, divide and conquer, dynamic programming, backtracking and branch and bound.
C323.05	Understand P and NP classes.

Name of the Course: Software Testing Methodologies

Course.No	Outcomes
C324.01	List a range of different software testing techniques and strategies and be able to apply specific(automated) unit testing method to the projects
C324.02	Distinguish characteristics of structural testing methods.
C324.03	Demonstrate the integration testing which aims to uncover interaction and compatibility problems as early as possible.
C324.04	Discuss about the functional and system testing methods
C324.05	Demonstrate various issues for object oriented testing

Name of the Course: Fundamentals of Iot

Course.No	Outcomes
C325.01	Understand Sensing, Actuation and Various communication Protocols
C325.02	Program and configure Arduino boards for various designs using Arduino Programming
C325.03	Integrate Sensors and Actuators with Arduino boards
C325.04	Understand Python Programming
C325.05	Interface and Implement IOT with Raspberry Pi
C325.06	Design IoT applications in different domains.

Name of the Course: Machine Learning Lab

Course.No	Outcomes
C326.01	Understand complexity of Machine Learning algorithms and their limitations.
C326.02	Understand modern notions in data analysis-oriented computing.
C326.03	Be capable of confidently applying common Machine Learning algorithms in practice and implementing their own.
C326.04	Be capable of performing experiments in Machine Learning using real-world data.

Name of the Course: Compiler Design Lab

Course.No	Outcomes
C327.01	Design Lexical Analyzer for the given language using C and LEX tool.
C327.02	Design and convert BNF rules into YACC form to generate various parsers.
C327.03	Generate Machine code from the intermediate code forms.

C327.04	Implement Symbol Table.
C327.05	Apply the techniques and algorithms used in Compiler Construction in compiler component design

Name of the Course: Software Testing Methodologies Lab

Course.No	Outcomes
C328.01	Ability to translate end-user requirements into system and software requirements
C328.02	Ability to generate a high-level design of the system from the software requirements
C328.03	Will have experience and/or awareness of testing problems and will be able to develop a simple testing report
C328.04	Design and develop the best test strategies in accordance to the development model
C328.05	Able to develop skills in software test automation and management using latest tools.

Name of the Course: Environmental Science

Course.No	Outcomes
C329.01	Understand the transnational character of environmental problems and ways of addressing them, including interactions across local to global scales.
C329.02	Apply systems concepts and methodologies to analyze and understand interactions between social and environmental processes.
C329.03	Understand core concepts and methods from ecological and physical sciences and their application in environmental problem-solving.
C329.04	Reflect critically about their roles and identities as citizens, consumers and environmental actors in a complex, interconnected world.
C329.05	Ability to understand the ethical, cross-cultural, and historical context of environmental issues and the links between human and natural systems.

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AY:20-21

COURSE OUTCOMES

Year : IV Year

Semester: II Semester

Name of the Course: Computer Forensics

Course.No	Outcomes
C421.01	Understand the usage of computers in forensic, and how to use various forensic tools for a wide variety of investigations.
C421.02	Understanding to continue their zeal in research in computer forensics
C421.03	Understand the objectives of computer forensics in different roles computer plays in a certain crime.
C421.04	Ability to implement objective is to provide digital evidences which are obtained from digital medias.
C421.05	Understand the objectives of computer forensics, first of all, people have to recognize the different roles computer plays in a certain crime.

Name of the Course: Modern Software Engineering

Course.No	Outcomes
C422.01	List a range of different software testing techniques and strategies and be able to apply specific(automated) unit testingmethod to the projects
C422.02	Distinguish characteristics of structural testing methods.
C422.03	Demonstrate the integration testing which aims to uncoverinteraction and compatibility problems as early as possible.
C422.04	Discuss about the functional and system testing methods
C422.05	Demonstrate various issues for object oriented testing

Name of the Course: Organizational Behaviour

Course.No	Outcomes
C423.01	Analyse the behaviour of individuals and groups inorganizations in terms of the key factors that influence organizational behaviour.
C423.02	Assess the potential effects of organizational level factors (such as structure, culture and change) on organizationalbehaviour.
C423.03	Critically evaluate the potential effects of important developments inthe external environment (such as globalization and advances intechology) on organizational behaviour.

C423.04	Analyse organizational behavioural issues in the context of organizational behaviour theories, models and concepts.

Name of the Course: Major Project

Course.No	Outcomes
C424.01	Acquire practical knowledge in spite of theoretical concepts he/she acquired.
C424.02	Recognise uncertainty of open ended investigations like technical problems and difficulties in collecting the required data.
C424.03	differentiate open ended projects and set of practicals.
C424.04	develop their communication and team work skills.
C424.05	Asses different tools /soft ware's and protocols which he used in the project.
C424.06	Simulate their Software results and dump into hardware for testing.

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