LORDS INSTITUTE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

AY:2021-22

COURSE OUTCOMES

Semester: IV Semester

Name of the Course: Effective Technical Communication in English

Course.No	Outcomes
C221.01	Apply technical communication skills effectively
C221.02	Adapt different types of official correspondence
C221.03	Construct report writing using various techniques
C221.04	Develop adequate skills of manual writing
C221.05	Interpret the information transfer from verbal to non-verbal data and vice-versa

Name of the Course: Finance and Accounting

Course.No	Outcomes
C222.01	To understand the basic concepts of financial accounting, cost accounting and management accounting
C222.02	To understand Accounting Standards and their Importance in Global Accounting Environment, to prepare, understand,interpret and analyze financial statements
C222.03	Understanding the procurement of Finance in Financial Marketsto Strengthening counties economy
C222.04	To understand the different activities of Capital budgeting techniquesand how to select the projects.
C222.05	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 continuousand 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 InvariantSystems to known inputs.
C224.04	Apply Z-transforms for discrete time signals to solve Differenceequations.
C224.05	Obtain Linear Convolution and Correlation of discrete time signalswith graphical representations.

Name of the Course: Operating Systems

Course.No	Outcomes
C225.01	**Explain** and compare the different types of OS , basic architectural component involved in OS design
C225.02	**Explain** and design different process scheduling algorithm
C225.03	**Analyze** the use of process synchronization techniques to avoid deadlock.
C225.04	**Demonstrate** the concept of memory management
C225.05	**Compare** different file allocation methods and decide appropriate allocation strategies for given type of file

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	Interpret the principles of Assembly Language Programming, instruction set in developing microprocessor based applications.
C228.02	Develop Applications such as: 8-bit Addition, Multiplication, Division, array operations, swapping, negative and positive numbers.
C228.03	Analyse the interfaces like serial ports, digital-to-analog Converters and analog-to-digital converters etc.
C228.04	Build interfaces of Input-output and other units like stepper motor with8085.
C228.05	Analyse the function of traffic light controller.

Name of the Course: Operating Systems Lab

Course.No	Outcomes
C229.01	Evaluate the performance of different types of CPU scheduling algorithms.
C229.02	Implement producer-consumer problem, reader-writers problem, Dining philosopher's problem.
C229.03	Simulate Banker's algorithm for deadlock avoidance.
C229.04	Implement paging replacement and disk scheduling techniques.
C229.05	Use different system calls for writing application programs.

Name of the Course: Database Management Systems Lab

Course.No	Outcomes

C2210.01	Ability to design and implement a database schema for givenproblem.
C2210.02	Develop the query statements with the help of structured query language.
C2210.03	Populate and query a database using SQL and PL/SQL
C2210.04	Develop multi-user database application.
C2210.05	Construct database models for different databaseapplications.

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COURSE OUTCOMES

Semester: VI Semester

Name of the Course: Compiler Design

Course.No	Outcomes
C321.01	Design the compiler given the features of the languages.
C321.02	Implement practical aspect of automata theory.
C321.03	Explain different compiler generation tools.
C321.04	Implement Code optimization and Data flow analysis.
C321.05	Students are able to analyze semantics.

Name of the Course: Computer Networks

Course.No	Outcomes
C322.01	Understand the concept of data communication networks, OSI model, TCP/IP model and discuss the process of multiplexing, switching and transmission media
C322.02	Discuss the functions and services provided by data Link Layer and Multiple Access Protocol
C322.03	Describe the Different techniques of switching and services provided by the Network Layer
C322.04	Explain the Services provided by the Transport Layer with Quality of Services
C322.05	Analyse the different services provided by the Application Layer with various protocols and to understand different security parameters of network

Name of the Course: Design and Analysis of Algorithms

Course.No	Outcomes
C323.01	Define the basic concepts of algorithms and analyze the performance of algorithms.
C323.02	Discuss various algorithm design techniques for developing algorithms.
C323.03	Discuss various searching, sorting and graph traversal algorithms.
C323.04	Understand NP completeness and identify different NP complete problems.
C323.05	Discuss various advanced topics on algorithms.

Name of the Course: Cloud Computing

Course.No	Outcomes
C324.01	Analyze the Cloud computing setup with it's vulnerabilities and applications using different architectures.
C324.02	Design different workflows according to requirements and apply map reduce programming model.
C324.03	Apply and design suitable Virtualization concept, Cloud Resource Management and

	design scheduling algorithms.
C324.04	Create combinatorial auctions for cloud resources and design scheduling algorithms for computing clouds.
C324.05	Explain cloud Storage systems and Cloud security, the risks involved, its impact and develop cloud application.
C324.06	Analyze impact of engineering on legal and societal issues involved in addressing the security issues of cloud computing.

Name of the Course: Human Computer Interaction

Course.No	Outcomes
C325.01	Design user interfaces and experiences grounded in known principles of usability and human-computer interaction.
C325.02	Iteratively prototype, evaluate, and improve user-centered designs with user feedback.
C325.03	Apply those skills to open or new areas of development in human-computer interaction.
C325.04	Explain and illustrate key aspects of human-computer interaction such as interaction design, the user experience, usability, and user interfaces.
C325.05	Ideate, prototype, and evaluate novel technology design ideas through a user-centred design approach.

Name of the Course: Soft Skills & Interpersonal Skills

Course.No	Outcomes
C326.01	Handle technical communication effectively
C326.02	Use different types of professional correspondence
C326.03	Use various techniques of report writing
C326.04	Acquire adequate skills of manual writing
C326.05	Enhance their skills of information transfer and presentations

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: Computer Networks Lab

Course.No	Outcomes
C328.01	Identify and use various networking components Understand different

	transmission media and design cables for establishing a network
C328.02	Implement any topology using network devices
C328.03	Understand the TCP/IP configuration for Windows and Linux
C328.04	Implement device sharing on network
C328.05	Learn the major software and hardware technologies used on computer networks

Name of the Course: Design And Analysis Of Algorithms Lab

Course.No	Outcomes
C329.01	Design an algorithm in a effective manner
C329.02	Apply iterative and recursive algorithms.
C329.03	Design iterative and recursive algorithms.
C329.04	Implement optimization algorithms for specific applications.
C329.05	Design optimization algorithms for specific applications.

Name of the Course: Summer Internship

Course.No	Outcomes
C3210.01	Construct the company profile by compiling the brief history, management structure, products / services offered, key achievements and market performance for his / her organization of internship.
C3210.02	Determine the challenges and future potential for his / her internship organization in particular and the sector in general.
C3210.03	Test the theoretical learning in practical situations by accomplishing the tasks assigned during the internship period.
C3210.04	Analyze the functioning of internship organization and recommend changes for improvement in processes

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COURSE OUTCOMES

Semester: VIII Semester

Name of the Course: Organizational Behaviour

Course.No	Outcomes
C421.01	Analyse the behaviour of individuals and groups inorganizations in terms of the key factors that influence organizational behaviour.
C421.02	Assess the potential effects of organizational level factors(such as structure, culture and change) on organizationalbehaviour.
C421.03	Critically evaluate the potential effects of important developments inthe external environment (such as globalization and advances intechnology) on organizational behaviour.
C421.04	Analyse organizational behavioural issues in the context oforganizational behaviour theories, models and concepts.
C421.05	Students will be able to explain the concept of Organisation Design and determine the factors that affect Organisation Design.

Name of the Course: Human Computer Interaction

Course.No	Outcomes
C422.01	Apply HCI and principles to interaction design.
C422.02	Iteratively prototype, evaluates, and improve user-centered designs with user feedback.
C422.03	Apply those skills to open or new areas of development in human-computer interaction.
C422.04	Explain and illustrate key aspects of human-computer interaction such as interaction design, the user experience, usability, and user interfaces.
C422.05	Ideate, prototype, and evaluate novel technology design ideas through a user-centred design approach.

Name of the Course: Environmental Impact Assessment

Course.No	Outcomes
C423.01	Understand the different steps within environmental impact assessment
C423.02	Discuss the implications of current jurisdictional and institutional arrangements in relation to environmental impact assessment
C423.03	Communicate both orally and in written form the key aspects of environmental impact assessment
C423.04	Understand how to liaise with and the importance of stakeholders in the EIA process
C423.05	access different case studies/examples of EIA in practice

Name of the Course: Project Stage - II

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