



LORDS INSTITUTE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
COURSE OUTCOMES
AY:2019-20

II Year I -Semester

Name of the Course: ANALOG AND DIGITAL ELECTRONICS

Course.No	Outcomes
C211.01	Able to understand the Design and analyse small signal amplifier circuits
C211.02	Ability to understand Postulates of Boolean algebra and to minimize combinational functions
C211.03	Ability to understand Design and analyze combinational and sequential circuits
C211.04	Ability to understand logic families and realization of logic gates.
C211.05	Ability to write techniques for the design of digital circuits and fundamental concepts used in the design of digital

Name of the Course: Data Structures

Course.No	Outcomes
C212.01	Ability to choose appropriate data structures to represent data items in real world
C212.02	Ability to analyze the time and space complexities of Algorithms
C212.03	Implement and know the application of algorithms for sorting and pattern matching.
C212.04	Ability to design programs using a variety of data structures such as stacks, queues, hash tables, binary trees, search trees, heaps, graphs, and B-trees.
C212.05	Implement ADTs such as lists, graphs, search trees in C++ to solve problems
C212.06	Ability to choose appropriate data structures to represent data items in real world

Name of the Course: COMPUTER ORIENTED STATISTICAL METHODS

Course.No	Outcomes
C213.01	Apply the concepts of probability and distributions to some case studies
C213.02	Ability to use sampling theory and testing of hypothesis and making inferences
C213.03	Ability to analyze and solve Stochastic process and Markov chains.
C213.04	Ability to Correlate the material of one unit to the material in other units
C213.05	Ability to apply probability distributions of single and multiple random variables

Name of the Course: COMPUTER ORGANIZATION AND ARCHITECTURE

Course.No	Outcomes
C214.01	Able to understand the basic components and the design of CPU, ALU and Control Unit.
C214.02	Ability to understand memory hierarchy and its impact on computer cost/performance
C214.03	Ability to understand the advantage of instruction level parallelism and pipelining for high performance Processor design
C214.04	Ability to understand the instruction set, instruction formats and addressing modes of 8086
C214.05	Ability to write assembly language programs to solve problems.

Name of the Course: OBJECT ORIENTED PROGRAMMING USING C++

Course.No	Outcomes
C215.01	Introduces Object Oriented Programming concepts using the C++ language
C215.02	Understanding the principles of data abstraction, inheritance and polymorphism
C215.03	Apply the principles of virtual functions and polymorphism.
C215.04	Analyzing the handling formatted I/O and unformatted.
C215.05	Evaluate the I/O Introduces exception handling.

Name of the Course: Data Structures Lab

Course.No	Outcomes
C216.01	Appreciate the importance of structure and Abstract data type, and their basic usability in different applications.
C216.02	Able to implement linear and non-linear data structures using linked lists.
C216.03	Able to understand and apply various data structures such as stacks, queues, trees, graphs etc. to solve various computing problems.
C216.04	Able to implement various kinds of searching and sorting techniques, and decide when to choose which technique.
C216.05	Able to identify and use a suitable data structure and algorithm to solve a real world problem.

Name of the Course: C++ Programming Lab

Course.No	Outcomes
C217.01	Explain polymorphism and develop C++ programs
C217.02	Develop C++ programs with reusability concept.
C217.03	Compare classes & structures and develop C++ programs using classes & structures
C217.04	Write C++ programs to handle exceptions in programming
C217.05	Solve different type of problems using object-oriented programming Techniques

Name of the Course: IT WorkShop LAB

Course.No	Outcomes
C218.01	Ability to identify the peripherals of a computer and installation of system software.
C218.02	Ability to disassemble and assemble the PC back to working condition
C218.03	Evaluate the Local Area Network and access the Internet.
C218.04	Analyze and create power point presentation
C218.05	Apply the ideas in web browsers, email, newsgroups and discussion forums.
C218.06	Ability to identify the peripherals of a computer and installation of system software.

Name of the Course: ANALOG AND DIGITAL ELECTRONICS LAB

Course.No	Outcomes
C219.01	Design and test rectifiers with filters
C219.02	Design, construct and test amplifier circuits and interpret the results.
C219.03	Utilize the postulates of the Boolean Algebra to minimize the Combinational circuits.
C219.04	Design and Analyze Combinational and Sequential circuits and verify the functionality.
C219.05	Realize the logic gates using different Logic families and verify the functionality

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



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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

AY:2019-20

COURSE OUTCOMES

Year : III Year

Semester: I Semester

Name of the Course: DESIGN AND ANALYSIS OF ALGORITHMS

Course.No	Outcomes
C311.01	Ability to analyze the performance of algorithms.
C311.02	Ability to choose appropriate algorithm design techniques for solving problems.
C311.03	Understand how the choice of data structures and the algorithm design methods impact the performance of programs.
C311.04	Identify problems using algorithm design methods such as the greedy method, divide and conquer, dynamic programming, backtracking and branch and bound
C311.05	Understand the differences between tractable and intractable problems and P & NP classes.

Name of the Course: SOFTWARE ENGINEERING

Course.No	Outcomes
C312.01	Ability to identify the minimum requirements for the development of application
C312.02	Ability to develop, maintain, efficient, reliable and cost effective software solutions
C312.03	Ability to critically think and evaluate assumptions and arguments by using variant software architectural styles & software process models
C312.04	Understanding of software testing approaches such as unit testing and integration testing
C312.05	Understanding on quality control and how to ensure good quality software.

Name of the Course: DISASTER MANAGEMENT

Course.No	Outcomes
C313.01	Understand the need and significance of studying disaster management
C313.02	Understand the different types of disasters and causes for disasters.
C313.03	Gain knowledge on the impacts Disasters on environment and society
C313.04	Study and assess vulnerability of a geographical area.
C313.05	Students will be equipped with various methods of risk reduction measures and risk mitigation.

Name of the Course: FUNDAMENTAL OF MANAGEMENT

Course.No	Outcomes
C314.01	Analyze Management Functions like Planning, Organizing, Staffing, Leading, Motivation and Control aspects are learnt in this course.
C314.02	Understand the significance of Management in their Profession.
C314.03	Understand the Management Concepts, applications of Concepts
C314.04	Explain the Practical aspects of business and development of Managerial Skills
C314.05	Explain the Management Practices in their domain area

Name of the Course: Data Communication and Computer Networks

Course.No	Outcomes
C315.01	Explain & Design the various reference models and networks
C315.02	Identify the different types of network devices and MultipleAccess Protocols
C315.03	Use various routing mechanisms for finding shortest path in thenetwork
C315.04	Use IP addressing Scheme and to interconnect various networks
C315.05	Explain and use various application layer protocols: HTTP,DNS, and SMTP,FTPetc

Name of the Course: DESIGN AND ANALYSIS OF ALGORITHMS LAB

Course.No	Outcomes
C316.01	Create the programs in java to solve problems using algorithmdesign techniques
C316.02	Ability to write programs in java to solve problems using divideand conquerstrategy.
C316.03	Ability to write programs in java to solve problems usingbacktracking strategy
C316.04	Ability to write programs in java to solve problems using greedyand dynamicprogramming techniques.
C316.05	Design optimization algorithms for specific applications

Name of the Course: Software Engineering Lab

Course.No	Outcomes
C317.01	Understand the software engineering methodologies involvedin the phases for project development
C317.02	Knowledge about open source tools used for implementingsoftware engineering methods.
C317.03	Ability to develop product-startups implementing softwareprocess models insoftware engineering methods
C317.04	Understanding Open source Tools: StarUML / UMLGraph /Topcased
C317.05	Develop prototype model for a given case studyusing modern engineering tools.

Name of the Course: COMPUTER NETWORKS LAB

Course.No	Outcomes
C318.01	Understand the functionalities of various layers of OSI model &operatingSystem functionalities
C318.02	Ability to understand the encryption and decryption concepts inLinuxenvironment
C318.03	Ability to apply appropriate algorithm for the finding of shortestroute.
C318.04	Ability to configure the routing table
C318.05	Learn the major software and hardware technologies used on computer networks

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AY:19-20

COURSE OUTCOMES

Year : IV Year Semester: I Semester

Name of the Course: Data Mining

Course.No	Outcomes
C411.01	Ability to perform the preprocessing of data and apply mining techniques on it.
C411.02	Ability to identify the association rules, classification and clusters in data sets.
C411.03	Ability to solve real world problems in business and scientific information using data mining
C411.04	Ability to classify web pages, extracting knowledge from the web.
C411.05	Analyze strengths and limitations of various data mining models.

Name of the Course: Principle of Programming Language

Course.No	Outcomes
C412.01	Ability to express syntax and semantics in formal notation
C412.02	Understanding the programming paradigms of modern programming languages
C412.03	Able to understand the concepts of ADT and OOP.
C412.04	Ability to program in different language paradigms and evaluate their relative benefits.
C412.05	Understand the concepts of concurrency control and exception handling

Name of the Course: PYTHON PROGRAMMING

Course.No	Outcomes
C413.01	Interpret the fundamental Python syntax and semantics and be fluent in the use of Python control flow statements.
C413.02	Express proficiency in the handling of strings and functions.
C413.03	Determine the methods to create and manipulate Python programs by utilizing the data structures like lists, dictionaries, tuples and sets.
C413.04	Identify the commonly used operations involving file systems and regular expressions.
C413.05	Articulate the Object-Oriented Programming concepts such as encapsulation, inheritance and polymorphism as used in Python.

Name of the Course: Distributed Systems

Course.No	Outcomes
C414.01	Ability to comprehend and design a new distributed system with the desired features
C414.02	Understanding theoretical concepts, namely, virtual time, agreement and consensus protocols.
C414.03	Analyze IPC, Group Communication & RPC Concepts.
C414.04	Identify problems using the DFS and DSM Concepts.
C414.05	Understanding the concepts of transaction in distributed environment and associated concepts, namely, concurrency control, deadlocks and error recovery.

Name of the Course: CLOUD COMPUTING

Course.No	Outcomes
C415.01	Ability to understand various service delivery models of a cloud computing architecture.
C415.02	Evaluate the ways in which the cloud can be programmed and deployed
C415.03	Understanding cloud service providers.
C415.04	Analyzing the Infrastructure as a Service in Cloud computing
C415.05	Apply cloud programming and software environments in different systems

Name of the Course: Data Mining Lab

Course.No	Outcomes
C416.01	Ability to understand various kinds of Tools
C416.02	Demonstrate Association, Classification Techniques
C416.03	Demonstrate Clustering and Outlier Analysis
C416.04	Ability to add mining algorithm as component to the existing Tools
C416.05	Ability to apply Mining Techniques for realistic data

Name of the Course: Python Programming Lab

Course.No	Outcomes
C417.01	Write, Test and Debug Python Programs
C417.02	Implement Conditionals and Loops for Python Programs
C417.03	Use functions and represent Compound data using Lists, Tuples and Dictionaries
C417.04	Read and write data from & to files in Python and develop Application using Pygame
C417.05	Apply the suitable libraries to solve simple problem

Name of the Course: Industry Oriented Mini Project

Course.No	Outcomes
C418.01	Acquire practical knowledge in spite of theoretical concepts he/she acquired (Application).
C418.02	Recognise uncertainty of open ended investigations like technical problems and difficulties in collecting the required data (knowledge).
C418.03	Differentiate open ended projects and set of practicals (Comparison) .
C418.04	Develop their communication and team work skills (synthesis).
C418.05	Asses different tools /soft ware's and protocols which he used in the project (Evaluation).
C418.06	Simulate their Software results and dump into hardware for testing (Analysis)

Name of the Course: Seminar

Course.No	Outcomes
C419.01	Improve oral and written communication skills.
C419.02	Explore an appreciation of the self in relation to its larger diverse social and academic contexts.
C419.03	Identify, understand and discuss current, real-world issues
C419.04	Distinguish and integrate differing forms of knowledge and academic disciplinary approaches
C419.05	Apply principles of ethics and respect in interaction with others.

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