PRAHLADRAI DALMIA LIONS COLLEGE OF COMMERCE & ECONOMICS

ISO 9001 : 2015 Certified

NOTICE

25/1/2024

B.Sc.(Information Technology)

S.Y.B.Sc.(I.T.) Sem IV PCT Examination Syllabus FEB - 2023		
NAME OF THE FACULTY	**SUBJECT**	**TOPICS COVERED**
MANSI KARNIK	CORE JAVA	Introduction: History, architecture and its components, Java Class File, Java Runtime Environment, The Java Virtual Machine, JVM Components, The Java API, java platform, java development kit,Lambda Expressions, Methods References, Type Annotations, Method Parameter Reflection, setting the path environment variable, Java Compiler And Interpreter, java programs, java applications, main(), public, static, void, string[] args, statements, white space, case sensitivity, identifiers, keywords, comments, braces and code blocks, variables, variable name Data types: primitive data types, Object Reference Types, Strings, Autoboxing, operators and properties of operators, Arithmetic operators, assignment operators, increment and decrement operator, relational operator, logical operator, bitwise operator, conditional
AMEY MESTRY	Embedded system	PIC MICROCONTROLLER:- Architecture - Memory Organisation - addressing modes - instruction set - PIC programming in Assembly & C - I/O ports, Data Conversion, RAM & ROM Allocation, Timer programming
ADITI SAVE	Computer Graphics	CH1- Introduction to Computer Graphics, Computer Graphics Application and Software, Display Technologies, CH2 - Line Drawing Algorithms, Circle Drawing Algorithms, Ellipse Drawaing Algorithms, Clipping Techniques
SUJAL SHAH	COST	Averages, Deviations, Moments, SKewness, Kurtosis
ARHAN SHAIK	SE	Introduction: What is software engineering? Software Development Life Cycle, Requirements Analysis, Software Design, Coding, Testing, Maintenance etc. Software Requirements: Functional and on-functional requirements, User Requirements, System Requirements, Interface Specification, Documentation of the software requirements.Software Processes: Process and Project, Component oftware Processes.Software Development Process Models. • Waterfall Model.• Prototyping.• Iterative Development.• Rational Unified Process. • The RAD Model• Time boxing Model.Agile software evelopment: Agile methods, Plan-driven and agile development, Extreme programming, Agile project management, Scaling agile methods.

Prof. Rupali Mishra
B.Sc.(I.T.) Coordinator

Prof. Subhashini Naikar
Vice Principal SFC

Prof. (Dr.) Digambar N. Ganjewar
Principal