

Jyotiba Phule Govt. College, Radaur

Lesson Plan

JAN to APRIL 2023-2024

Name of the Assistant Professor – Dr. Nancy Sharma

Subject: Computer Science

Month	BCA 6 th Sem(WEB DESIGNING USING ADVANCED TOOL)	BCA 4 th Sem(ADVANCED C++)	B.COM CAV 4 th Sem(ADVANCED COMPUTER APPLICATIONS)
JAN	Interactivity Tool - JavaScript: Introduction, Features, Data types, Operators, Statements, Functions, Event Handling, Use of Predefined Object and Methods, Frames, Windows, Tables, Images, Links Interactivity Tool - VBScript: Introduction, Features, Variables, Data Types, Numeric and Literal Constants, Arrays, Operators, Subroutine Procedures, Function Procedures, Control Statements, Strings, Message and Input Boxes, Date and Time, Event Handlers, Embedding VBScript in HTML ASSIGNMENT	Different Forms of inheritance : – Single Multiple , Multilevel ,Hierarchical and Multipath Inheritance Roles of Constructors and Destructors in Inheritance Dynamic Polymorphism: function overriding virtual Function and its Need, pure Virtual Function, Abstract Class , Virtual Derivation , Virtual Destructor Assignment: Inheritance and its types	Networking: fundamentals, LAN/MAN/WAN, topologies, transmission media, ISDN, B-ISDN, protocols- TCP/IP, OSI, ATM, internet services; hardware and software requirements for internet; browsers- Internet explorer, Mozilla Firefox, opera, Google chrome; Search Engines; webpage. ASSIGNMENT
FEB	Interactivity Tool - Active Script Pages – Introduction, Features, Client-Server Model, Data Types, Decision Making Statements, Control statements, Use of Various Objects of ASP, Various Techniques of Connecting to Database Other Interactivity Tools - Macromedia Flash, Macromedia Dreamweaver, PHP: Basic Introduction and Features ASSIGNMENT TEST	Genericity in C++ ,:Templates in C++ Function Templates class templates in c++,Exception Handling in C++ try throw and catch ASSIGNMENT Test	Information technology application in business, E-business, net banking; online purchasing and selling; online banking, electronic payment systems- an overview. Assignment

MAR	<p>DHTML: Introduction, Features, Events, Dynamic Positioning, Layer Object, Properties of STYLE, Dynamic Styles, Inline Styles, Event Handlers; Cascading Style Sheets (CSS): Basic Concepts, Properties, Creating Style Sheets; Common Tasks with CSS: Text, Fonts, Margins, Links, Tables, Colors; Marquee; Mouseovers; Filters and Transitions; Adding Links; Adding Tables; Adding Forms; Adding Image and Sound; Use of CSS in HTML Documents Linking and Embedding of CSS in HTML Document</p> <p>TEST</p>	<p>File Pointers, Operation on files Type Conversion : Basic Type Conversion, Conversion between objects an basic types, Conversion between Objects of different Classes ,Inheritance rules of derivations –Private protected and public conversion</p> <p>TEST</p> <p>REVISION</p>	<p>E-governance- concept and examples, Digitalization of services – income tax, digital lockers, etc. E-dissha, etc., linking AADHAR to service – issues and impact.</p> <p>Test</p> <p>Assignment</p>
APRIL	<p>Microsoft FrontPage: Introduction, Features, Title Bar, Menu bar, FrontPage Tool Bar, Style, Fontface and Formatting Bar, Scroll Bars XML: Introduction, Features, XML Support and Usage, Structure of XML Documents, Structures in XML, Creating Document Type Declarations, Flow Objects, Working with Text and Font, Color and Background Properties;</p> <p>TEST</p> <p>REVISION</p>	<p>Files I/O in c++: Class Hierarchy for Files I/O, Text versus Binary Files , opening and closing files</p> <p>REVISION</p>	<p>Social and ethical aspects of IT. Cyber Laws – IT Act 2000, impact of IT on other laws concerning business: cyber security – threats, anti-virus software, firewalls, etc.</p> <p>Test</p> <p>Revision</p>

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8/1/24