

Government PG College, Ambala Cantt

Course File(Session 2023-24)

Name of Professor: DR. RUCHI

Class: BCOM(CAV)/ 5TH SEMESTER

Subject code and Name: BC(VOC)-505/Web Technology

BC (Voc)-505 WEB TECHNOLOGY

Max. Marks: 60

Internal Marks: 20

Time: 3 Hours

Note: Paper setter will set nine questions in all. Question No. 1 comprising of five short types questions carrying four (4) marks each is compulsory. It covers the entire syllabus. Answer to each question should not be more than one page. Candidate is required to attempt four questions from the remaining eight questions carrying 10 marks each.

Internet basic - introduction to HTML, tags- list - creating table - linking document frames - graphics to HTML doc - style sheet - style sheet basic - add style to document - creating style sheet rules - style sheet properties - font - text - list - color and background color - box - display properties.

Introduction to Java Script - advantage of Java Script - JavaScript syntax - data type - variable - array - operator and expression - looping constructor - function – dialog box.

Java Script document object model - introduction - object in HTML - event handling - window object - document object - browser object - form object - navigator object screen object - build in object - user defined object- cookies.

Practical: Creation of Web Page and Scripts

REFERENCES Jennifer Kyrnin, Laura Lemay, Mastering HTML, CSS,

- & JavaScript Web Publishing, BPB Publications Navneet Mehra, Bunny Mehra, Website Development using HTML and CSS, Unicorn Books
- N.P. Gopalan, J. Akilandeswari, Web Technology: A Developer Perspective, Prentice Hall of India.
- Srinivasan, Web Technology: Theory and Practice, Pearson Education India.

COURSE OBJECTIVES

The course objectives outlined are as follows:

- **Role of different HTML TAGS:** Describe how information technology and decision support systems contribute to businesses and analyze current issues within firms to solve business problems.
- **Understand Java Script:** Explore and define HTML and its characteristics. Identify the components of an sdlc.
- **Fundamental of Java Script document object model:** Introduce the foundational principles of analysing and designing computer-based information systems, fostering an understanding of the techniques and methodologies employed in this process.
- **Impact of event handling:** Enable students to assess the influence of the Internet and Internet technologies on electronic commerce and business operations. Understand the specific risks and vulnerabilities associated with computer systems in this context.
- **User define object-cookies:** Provide students with theoretical models used in examining functional Java Script in the areas of personnel, financial, and production management.

These objectives collectively aim to equip students with a comprehensive understanding of how information technology, decision support systems, expert systems, internet technology, and database management systems intersect with business operations. By covering these topics, students will be better prepared to analyze, design, and utilize technological solutions to address contemporary business challenges and enhance organizational competitiveness.

COURSE OUTCOMES

After the successful completion of the course, students will be able to:

- Understand the leadership role of HTML in achieving business competitive advantage through informed decision-making.
- Understand the fundamental concepts of systems and their types.
- Apply the systems approach to analyze and solve complex problems.
- Define an information system and recognize its characteristics.
- Identify different types of information and their role in decision-making process.
- Analyse and synthesize business information and systems to facilitate the evaluation of strategic alternatives.
- Effectively communicate strategic alternatives to facilitate decision-making.
- Articulate the fundamental principles of information systems analysis and design.
- Demonstrate the skills necessary to conduct a requirements determination study.
- Analyse how information system impacts a firm.
- Interpret how to use information systems to solve business problems.
- Explore decision support systems and their role in planning, control, and decision-making processes.

Lesson Plan

Week No	Scheduled Dates	Topics to be covered
1	3-8 July	Interactivity Tool - JavaScript: Introduction, Features, Data types,
2	10-15 July	Operators, Statements, Functions, Event Handling, Use of Predefined Object and Methods, Frames, Windows, Tables,
3	17-22 July	Images, Revision, Test, Links Interactivity Tool - VBScript: Introduction, Features, Variables, Data Types, Numeric and Literal Constants, Arrays, Operators, Subroutine Procedures,
4	24-31 July	Function Procedures, Control Statements, Strings, Message and Input Boxes, Date and Time, Event Handlers, Embedding VBScript in HTML, Revision, Test.
5	1-5 August	Interactivity Tool - Active Script Pages – Introduction, Features, Client-Server Model.
6	7-12 August	Data Types, Decision Making Statements, Revision, Test, Control statements, Use of Various Objects of ASP.
7	14-19 August	Various Techniques of Connecting to Database Other Interactivity Tools - Macromedia Flash, Macromedia Dreamweaver.
8	21-26 August	PHP: Basic Introduction and Features Revision, Test, Assignment-1.
9	28-2 September	DHTML: Introduction, Features, Events, Dynamic Positioning, Layer Object,
10	4-9 September	Properties of STYLE, Dynamic Styles, Inline Styles, Event Handlers; Cascading Style Sheets (CSS): Basic Concepts, Revision, Test,
11	11-16 September	Properties, Creating Style Sheets; Common Tasks with CSS: Text, Fonts, Margins, Links, Tables, Colors;

		Marquee; Mouseovers;
12	18-23 September	Filters and Transitions; Adding Links; Adding Tables; Adding Forms; Adding Image and Sound;
13	25-30 September	Use of CSS in HTML Documents Linking and Embedding of CSS in HTML Document, Revision, Test.
14	3-7 October	Microsoft FrontPage: Introduction, Features, Title Bar, Menu bar, FrontPage Tool Bar.
15	9-14 October	Style, FontFace and Formatting Bar, Revision, Test, Scroll Bars XML: Introduction.
14	16-21 October	Features, XML Support and Usage, Structure of XML Documents, Structures in XML.
15	23-28 October	Creating Document Type Declarations.
16	30-4 November	Flow Objects, Working with Text and Font.
17	6-9 November	Color and Background Properties, Revision, Test, Assignment-2.