



SANATAN DHARMA COLLEGE, AMBALA CANTT

College with Potential for Excellence, UGC, New Delhi
NAAC Accredited Grade "A+" with CGPA 3.51 in 3rd cycle
ISO 9001:2015 & ISO 14001:2015 Certified



Lesson Plan (Session 2022-2023) EVEN SEM (2022-2023)

Class: BCA Sem: VI
Duration: 13 Weeks

Course Code: BCA- 361
Dates: 1 Feb, 2023- 30 Apr, 2023

Nomenclature: Web Designing Using Advanced Tools

SYLLABUS

BCA-361: Web Designing Using Advanced Tools

Maximum Marks: 100
Internal: 20

External: 80
Time: 3 hours

Minimum Pass Marks: 35

Note: Examiner will be required to set Nine Questions in all. First Question will be compulsory, consisting of objective type/short-answer type questions covering the entire syllabus. In addition to that eight more questions will be set, two questions from each Unit. Student will be required to attempt FIVE questions in all. Question Number 1 will be compulsory. In addition to compulsory question, student will have to attempt four more questions selecting one question from each Unit. All questions will carry equal marks.

UNIT – I

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

UNIT – II

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

UNIT – III

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

UNIT – IV

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;

TEXT BOOKS:

- Jon Duckett, "Beginning web programming with HTML, XHTML, CSS and JavaScript" – Wiley India Pvt. Ltd.
- Paul Wilton, "Beginning JavaScript" – Wiley India Pvt. Ltd.
- Mitchell and Atkinson, "Active Sever Pages" – Techmedia Publishing
- Adrian Kingsley, "VB Script Programming Reference" – Wiley India Pvt. Ltd.

REFERENCE BOOKS:

- Thomas A. Powell, “Web Design: The Complete Reference”, 4/e, /Tata McGraw-Hill
- Deitel and Goldberg, “Internet and World Wide Web”, How to Program, PHI.
- Raj Kamal, “Internet and Web Technologies”, Tata McGraw-Hill.
- Ramesh Bangia, “Multimedia and Web Technology”, Firewall Media.
- Internet and Web Design, ITLES Research and Development Wing, Macmillan India.

Course Outcomes

After the completion of this course, prospective Computer professionals will have the ability to

Semester-VI	
Course- BCA-361: Web Designing Using Advanced Tools	
At the end of course student should be able to:	
CO-1	Understand the major areas and challenges of web programming.
CO-2	Distinguish web-related technologies.
CO-3	Use advanced topics in HTML5, CSS3, JavaScript ,DHTML
CO-4	Use a server-side scripting language, PHP
CO-5	Use a relational DBMS, MySQL
CO-6	Use PHP to access a MySQL database
CO-7	Design and implement o typical static web pages and interactive web applications. o dynamic web applications.
CO-8	Working with Macromedia flash player and other interactivity tools
CO-9	Explain how to make website on frontpage.
CO-10	Explain XML

S.No	Instructional Technique	Assessment Methods (AM)
1	Chalk & Talk	Assignments
2	ICT tools	Quiz
3	Group discussions	Group Discussions
4	Industrial visit	Oral Tests
5	Case studies	Sessional
6	Small Projects	Presentations
7	Workshop	Seminar
8	Spoken Tutorials	University Exams
9	Flipped Class	
10	E-Resources	

Detailed Lesson Plan

Date	Topics to be covered	Instructional Technique	Assessment Method
02.02.2023	JavaScript: Introduction	1	1,2,3,4
03.02.2023	Features, Data types, Operators, Statements	1	1,2,3,4
04.02.2023	Functions, Event Handling, Use of Predefined Object and Methods	1	1
05.02.2023	SUNDAY		
09.02.2023	Frames, Windows, Tables	2-(PPT/Projector)	1,2,3,4
10.02.2023	Images, Links	2-(PPT/Projector)	1,2,3,4
11.02.2023	VBScript: Introduction Variables, Operators,	2-(PPT/Projector)	1,2,3,4
12.02.2023	SUNDAY		
16.02.2023	Features, Data Types	2-(PPT/Projector)	1,2,3,4
17.02.2023	Numeric and Literal Constants, Arrays	1	
18.02.2023	Subroutine Procedures, Function Procedures	1	1,2,3,4
19.02.2023	SUNDAY		
23.02.2023	Control Statements, Strings, Message and Input Boxes, Date and Time	2-(PPT/Projector)	1,2,3,4
24.02.2023	Event Handlers, Embedding VBScript in HTML	2-(PPT/Projector)	1,2,3,4
25.02.2023	Interactivity Tool - Active Script Pages	2,7	1,2,3
26.02.2023	SUNDAY		
02.03.2023	Interactivity Tool - Active Script Pages	1	1,2,3
03.03.2023	Introduction, Features, Client-Server Model	8,10,2	1,2,3,4,
04.03.2023	Data Types, Decision Making Statements, Control statements	8,10,2	1,2,3,4,
05.03.2023	SUNDAY		
16.03.2023	Use of Various Objects of ASP, Various Techniques of Connecting to Database	6,10	1,2,3,4
17.03.2023	Test		
18.03.2023	Macromedia Flash	2,10	3,4

19.03.2023	SUNDAY		
23.03.2023	HOLIDAY		
24.03.2023	Macromedia Dreamweaver	2-(PPT/Projector)	1,2,3,4
25.03.2023	DHTML: Introduction, Features, Events, Dynamic Positioning, Layer Object, Properties of STYLE	2-(PPT/Projector)	1,2,3,4
26.03.2023	SUNDAY		
30.03.2023	HOLIDAY		
31.03.2023	Dynamic Styles, Inline Styles, Event Handlers, Cascading Style Sheets (CSS): Basic Concepts	2,6	1,2,3,4
01.04.2023	CSS Properties, Creating Style Sheets, Common Tasks with CSS	6	1,2,3,4
02.04.2023	SUNDAY		
06.04.2023	Dynamic Styles, Inline Styles, Event Handlers	2-(PPT/Projector)	1,2,3,4
07.04.2023	Cascading Style Sheets (CSS): Basic Concepts, Properties, Creating Style Sheets	2-(PPT/Projector)	1,2,3,4
08.04.2023	Colors; Marquee; Mouseovers; Filters and Transitions; Adding Image and Sound;	2-(PPT/Projector)	1,2,3,4
09.04.2023	SUNDAY		
13.04.2023	Use of CSS in HTML Documents Linking and Embedding of CSS in HTML Document, Adding Links; Adding Tables; Adding Forms;	2-(PPT/Projector)	1,2,3,6
14.04.2023	HOLIDAY		
15.04.2023	Microsoft FrontPage, Introduction, Features	9,10	1,2,3,4
16.04.2023	SUNDAY		
20.04.2023	Title Bar, Menu bar, FrontPage Tool Bar, Style, FontFace and Formatting Bar, Scroll Bars	2-(PPT/Projector)	1,2,3,4
21.04.2023	XML: Introduction, Features, XML Support and Usage, Structure of XML Documents, Creating Document Type	2-(PPT/Projector)	1,2,3,4

	Declaration		
22.04.2023	Holiday		
23.04.2023	SUNDAY		
27.04.2023	Flow Objects, Working with Text and Font	2-(PPT/Projector)	1,2,3,4
28.04.2023	Revision		
29.04.2023	Revision		
30.04.2023	SUNDAY		
04.05.2023	Color and Background Properties	2-(PPT/Projector)	1,2,3,4
05.05.2023	Revision		
06.05.2023	Revision		
07.05.2023	SUNDAY		
11.05.2023	Revision		
12.05.2023	Revision of Previous Years Question Papers		
13.05.2023	Revision of Previous Years Question Papers		
14.05.2023	SUNDAY		