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

Department of Computer Science
Lesson Plan (Session 2021-2022)

Class: BCA   **Sem: V**   **Course Code: BCA-351**
Nomenclature: Web Designing Fundamentals

Duration: 16 Weeks   **Dates: Oct-Jan, 2022**

SYLLABUS

BCA-351 Web Designing Fundamentals

Maximum Marks: 100   **External: 80**   **Minimum Pass Marks: 35**
Internal: 20   **Time: 3 hours**

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.

UNIT – I

Introduction to Internet and World Wide Web; Evolution and History of World Wide Web; Basic Features; Web Browsers; Web Servers; Hypertext Transfer Protocol; URLs; Searching and Web-Casting Techniques; Search Engines and Search Tools

UNIT – II

Steps for Developing Website; Choosing the Contents; Home Page; Domain Names; Internet Service Provider; Planning and Designing Web Site; Creating a Website; Web Publishing: Hosting Site;

UNIT-III

Introduction to HTML; Hypertext and HTML; HTML Document Features;
HTML Tags; Header, Title, Body, Paragraph, Ordered/Unordered Line, Creating Links; Headers; Text Styles; Text Structuring; Text Colors and Background; Formatting Text; Page layouts; Insertion of Text, Movement of Text

UNIT – IV

Images: Types of Images, Insertion of Image, Movement of Image, Ordered and Unordered lists; Inserting Graphics; Table Handling Functions like Columns, Rows, Width, Colours; Frame Creation and Layouts; Working with Forms and Menus; Working with Buttons like Radio, Check Box;

TEXT BOOKS:
* Bayross Ivan, "Web Enabled Commercial Applications Development using HTML, Javascript, DHTML & PHP", BPB Publication, 2005
* Powell Thomas, "The Complete Reference HTML & CSS", Tat Mc-Graw Hill, 2010

Course Outcomes

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

CO No.	Course Outcomes
CO-1	Understand the principles of creating an effective web page,including an in-depthconsideration of information architecture.
CO-2	Learn the language of the web: HTML and CSS.
CO-3	Learn techniques of responsive web design, including mediaqueries.
CO-4	Develop basic programming skills using Javascript andjQuery.
CO-5	Be able to embed social media content into web pages.
CO-6	Develop skills in analyzing the usability of a web site.

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

Week	Date	Topic to be Covered	Instructional Technique	Assessment Method
1	11.10.21	**Introduction to Internet and World Wide Web**	**2-(PPT/Projector)**	**----**
	12.10.21	**Evolution and History of World Wide Web**	**2-(PPT/Projector)**	**1,2,3,4**
	13.10.21	**Basic Features; Web Browsers**	**2-(PPT/Projector)**	**1,2,3,4**
2	18.10.21	**Web Servers**	**2-(PPT/Projector)**	**1,2,3,4**
	19.10.21	Hypertext Transfer Protocol	**2-(PPT/Projector)**	**1,2,3,4**
	20.10.21	**URLs**	**2-(PPT/Projector)**	**1,2,3,4**
3	25.10.21	Searching and Web-Casting Techniques	**2-(PPT/Projector)**	**1,2,3,4**
	26.10.21	Holiday		
	27.10.21	**Searching and Web-Casting Techniques**	2-(PPT/Projector)	1,2,3,4
4	1.11.21	**Search Engines and Search Tools**	2-(PPT/Projector)	**1,2,3,4**
	2.11.21	**Search Engines and Search Tools**	2-(PPT/Projector)	1,2,3,4
	3.11.21	**Revision**	2-(PPT/Projector)	1,2,3,4
5	8.11.21	**Steps for Developing Website**	2-(PPT/Projector)	1,2,3,4
	9.11.21	Steps for Developing Website	2-(PPT/Projector)	1,2,3,4
	10.11.21	**Choosing the Contents; Home Page**	2-(PPT/Projector)	1,2,3,4
6	15.11.21	Holiday		
	16.11.21	Domain Names; Internet Service Provider	---	6
	17.11.21	**Internet Service Provider**	2-(PPT/Projector)	1,2,3,4,6
7	22.11.21	**Planning a Web Site**	2-(PPT/Projector)	1,2,3,4,
	23.11.21	**Designing Web Site**	2-(PPT/Projector)	1,2,3,4,
	24.11.21	Diwali Vaccation		
8	29.11.21	**Creating a Website with example**	2-(PPT/Projector)	1,2,3,4
	30.11.21	**Creating a Website with example**	2-(PPT/Projector)	1,2,3,4
	1.12.21	**Web Publishing: Hosting Site**		1,2,3,4
9	6.12.21	Revision	2-(PPT/Projector)	1,2,3,4
	7.12.21	**Introduction to HTML**	2-(PPT/Projector)	
	8.12.21	**Hypertext and HTML; HTML Document Features**	2-(PPT/Projector)	1,2,3,4
10	13.12.21	**HTML Tags**	2-(PPT/Projector)	1,2,3,4
	14.12.21	**Header, Title, Body, Paragraph**	2-(PPT/Projector)	1,2,3,4
	15.12.21	**Ordered/Unordered Line**	2-(PPT/Projector)	1,2,3,4
11	20.12.21	**Creating Links; Headers;**	2-(PPT/Projector)	1,2,3,4
	21.12.21	**Text Styles; Text Structuring; Text Colors and Background;**	2-(PPT/Projector)	1,2,3,4
	22.12.21	Formatting Text; Page layouts;	--	

		Insertion of Text, Movement of Text		
12	27.12.21	**Images: Types of Images, Insertion of Image, Movement of Image**	2-(PPT/Projector)	1,2,3,4
	28.12.21	**Images: Types of Images, Insertion of Image, Movement of Image**	2-(PPT/Projector)	1,2,3,4
	29.12.21	**Images: Types of Images, Insertion of Image, Movement of Image**	2-(PPT/Projector)	1,2,3,4
13	3.1.22	**Ordered and Unordered lists**	2-(PPT/Projector)	1,2,3,4
	4.1.22	**Inserting Graphics**	2-(PPT/Projector)	1,2,3,4
	5.1.22	**Inserting Graphics**	2-(PPT/Projector)	1,2,3,4
14	10.1.22	Table Handling Functions like Columns, Rows, Width, Colours	2-(PPT/Projector)	1,2,3,4
	11.1.22	**Table Handling Functions like Columns, Rows, Width, Colours**	2-(PPT/Projector)	1,2,3,4
	12.1.22	**Table Handling Functions like Columns, Rows, Width, Colours**	2-(PPT/Projector)	1,2,3,4
15	17.1.22	**Frame Creation and Layouts**	2-(PPT/Projector)	1,2,3,4
	18.1.22	**Working with Forms and Menus**	2-(PPT/Projector)	1,2,3,4
	19.1.22	**Working with Forms and Menus**	2-(PPT/Projector)	1,2,3,4
16	24.1.22	**Working with Buttons like Radio, Check Box**	2-(PPT/Projector)	1,2,3,4
	25.1.22	Revision	2-(PPT/Projector)	1,2,3,4
	26.1.22	**Revision**	2-(PPT/Projector)	--