

Branch Name:	BCA (Bachelor of Computer Applications)
Program Code:	CS101
Course Title:	Web Designing – I
Course Code:	23-DSE201-2C
Pre-requisite Course:	Understanding of basic programming knowledge, internet usage, and understanding of web browsers like Google Chrome.

Course Objective:

This course is intended to make the students:

- To introduce fundamentals of web technologies and website structure.
- To develop skills in HTML and CSS for designing static web pages.
- To enable students to create and style user-friendly web interfaces.
- To understand basic web layout and design principles.

Teaching and Examination Scheme:

Teaching Scheme (Hours per week)				Evaluation Scheme (Marks)								
Lecture (L)	Tutorial (T)	Practical (P)	Credit	Theory				Practical				Total
				University Assessment		Continuous Assessment		University Assessment		Continuous Assessment		
				Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	
2	-	2	3	09	25	09	25	-	-	09	25	75

Course Contents:

Sr. No	Topic	Total Hours	Weightage (%)
1.	Introduction to Web Development & HTML Basics • Internet, WWW, Web browsers, Web servers • Static vs Dynamic Websites, Domain Name & Hosting basics • Introduction to HTML, structure of HTML document • Basic Tags: ◦ Headings, Paragraph, Line Break ◦ Text Formatting (bold, italic, underline) • Lists: Ordered, Unordered, Definition • Links (Anchor Tag) • Images and Attributes	12	25
2.	HTML Advanced Concepts • Images and image mapping • Tables: creating and formatting • Forms: input types, attributes, form controls • Multimedia: Audio and Video embedding • Semantic Elements (header, footer, section, article)	12	25
3.	CSS (Cascading Style Sheets) Fundamentals • Introduction to CSS • Types of CSS: Inline, Internal, External • Selectors and Properties • Colors, Backgrounds • Fonts & Text Styling	10	25

4.	CSS Layout and Advanced Styling - Box model (margin, border, padding, content) - Positioning: static, relative, absolute, fixed, sticky - Display and visibility - Flex box basics	10	25
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Course Learning Outcomes (CLO):

At the end of this course, the student would be able

1. **CLO1:** Understand basic concepts of Internet and web technologies.
2. **CLO2:** Develop structured web pages using HTML elements and tags.
3. **CLO3:** Design and format web pages using CSS styles.
4. **CLO4:** Create forms, tables, and multimedia elements in web pages.
5. **CLO5:** Apply basic layout and design principles for user-friendly interfaces.
6. **CLO6:** Build simple static websites integrating HTML and CSS.

List of Text book :

1. HTML & CSS: The Complete Reference" by Thomas Powell, McGraw-hill Publication.
2. HTML: A Beginners Guide by Wendy Willard, McGraw-hill Publication.

List of Reference book :

1. Learning Web Design: A Beginner's Guide to HTML, CSS, and Web Graphics" by Jennifer Robbins.
2. Introduction to Internet and HTML Scripting-By Bhaumik Shroff -Books India Publication.
3. Internet Technology And Web Design By ISRD Group- Tata McGraw-hill Publication.
4. Ivan Bayross, Web Enabled Commercial Application Development Using HTML.

E-Resources/ WebLinks:

1. W3Schools – <https://www.w3schools.com/>
2. freeCodeCamp – <https://www.freecodecamp.org/>
3. GeeksforGeeks – <https://www.geeksforgeeks.org/web-development/>
4. TutorialsPoint – <https://www.tutorialspoint.com/html/index.htm>

List of Experiments:

Note: The experiment list provided beneath is for reference only. The course teacher may change / formulate it as per his/her methodology and requirement.

Practical List:

1. Create a simple HTML page with headings and paragraphs.
2. Design a webpage showing personal information.
3. Create ordered and unordered lists.
4. Insert images with different attributes.
5. Create hyperlinks between multiple pages.
6. Design a basic webpage using all text formatting tags.
7. Create a timetable using table tags.
8. Design a student registration form.
9. Create a feedback form with all input types.
10. Embed audio and video in webpage.
11. Use semantic tags (header, footer, section).
12. Create image mapping example.
13. Apply inline, internal, and external CSS.
14. Design webpage using different selectors.
15. Apply background colors and images.
16. Style text using font and text properties.
17. Create styled navigation menu.
18. Apply CSS to existing HTML page.
19. Demonstrate CSS box model (margin, padding, border).
20. Create layout using display properties.
21. Create simple webpage layout using Flexbox.
22. Build complete styled webpage using all CSS concepts.

Mapping of CLO , PO And PSO

Course Learning Outcomes	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CLO1	L	L	L	H	M	L	L	L				M	M	L	M
CLO2		M		H	H	M	L				M	L	H		M
CLO3		H	L	H	M	M	M				M		M		H
CLO4	M	H		H	M	L	H	M			H		H	M	H
CLO5	M	H		H	M		H	H	M	H	H	M	H	M	H
CLO6	M	M	L	H	H	M	M	H	M	H	H	H	H	H	H

H:High, M:Medium, L:Low