

<b>Subject Code : 1CS2010102</b>	<b>Subject Title: WEB TECHNOLOGIES</b>
<b>Pre-requisite :</b>	-

**Course Objective:**

- The objective of the course is to make the students learn about the opportunities, challenges and techniques for developing websites; built with the new resources provided by HTML.
- Further, students are expected to learn about the evolving principles and standards for constructing accessible Websites

Teaching Scheme (Hours per week)				Evaluation Scheme (Marks)				
Lecture	Tutorial	Practical	Credit	Theory		Practical		Total
				University Assessment	Continuous Assessment	University Assessment	Continuous Assessment	
4	-	2	6	60	40	30	20	150

Subject Contents			
Sr. No	Topic	Total Hours	Weight (%)
1	<b>Internet and WWW</b> Internet Basics: Concept of Internet, evolution, Specification and establishment details, Intranets and extranets, Internet Applications: Email, Telnet, FTP, World Wide Web: Concept, Web page: static, Dynamic, Active Scripting languages: Server side, Client Side, Web: Designing, Development and Publishing, HTTP, URL registration, browsers, Web server	10	20
2	<b>Starting with HTML</b> Introduction to HTML, Basic block of HTML, Setting up the Document Structure, Formatting Text by using Tags, Using Lists and Backgrounds, Creating Hyperlinks and Anchors	10	20
3	<b>Style Sheets and Graphics</b> Introduction to Style Sheets, Formatting Text by Using Style Sheets, Formatting Paragraphs by Using Style Sheets, Displaying Graphics	10	20
4	<b>Page Layout and Navigation</b> Creating Navigational Aids, Creating Division- Based Layouts, Creating and Formatting Tables, Creating User Forms, Including Java Script and External Content	10	20
5	<b>Going Live</b> Publishing Pages, HTML for Email	08	20

**Course Outcome:**

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

- To understand basic concepts of internet and web page architecture and develop and host web site by using markup languages and advanced technologies, including HTML, JavaScript and CSS.
- To design and create an advanced website and will be equipped to undertake complex internet projects.

**List of References:**

1. "Using the Internet", Honey Cutt, 4th Edition, PHI Learning.
2. "Step by Step HTML 5", Faithe Wempen, South Asian Edition, Microsoft Press and PHI Learning
3. "HTML: A Beginner's Guide 5/E", Wendy Willard, 5th Edition, McGraw Hill.
4. Teach yourself the Internet in 24 Hrs, SAMS
5. HTML Black Book , Steven Holzner, Publisher: Dreamtech Press
6. HTML Complete Reference ,Thomas A. Powell, Publisher :Tata McGraw Hill
7. Teach yourself Java Script in 24 , Michael Moncur Publisher: Pearson Education

**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.

1. Design the HTML page with an attractive background color, text color and background image of your favorite Teacher
2. Develop an HTML document for a web page of your favorite National Leader. Design the page with an attractive color combination, with suitable headings and horizontal rules.
3. Write an HTML document with an example of Ordered List and Unordered List.
4. Write an HTML document with an example of Table format to print your Bio-Data.
5. Write an HTML document with an example of Table format to print your Telephone Bill.
6. Write the Frameset tags and Frame tags for the following frameset.

English.html	Welcome.html	Maths.html
Sanskrit.html		Computer.html
Gujarati.html	Heading.html	Account.html
Zoology.html		

7. Develop a complete web page using Frames and Frameset which gives the Information about Hospital.
8. Write an HTML code for designing the subscription form of mail account in the e-mail website with appropriate fields.
9. Write an example of Style Sheet.
10. Describe yourself on a webpage and experiment with colors in bgcolor ,text, link, try out different and sizes and also the other tags you studies so far, such as the rules tag as well as.
11. Design a single page web site for a university containing a description of the courses offered , it should also contain some general information about the university such as its history, the campus and its unique features the page should be colored and each section should have different color.
12. Write a HTML code using Nested list.
13. Write HTML code to develop a web page having background in blue and title "Welcome to my home page" in red other color.
14. Create an HTML document of giving details of your name, age, telephone no, address and enrolment no, aligned in proper order.
15. Write HTML code to create a web page of green color and display a mowing message in yellow color.
16. Develop your academic time table in HTML using <table> Tag and use class to change the background of different allows of your time table.
17. Create form to fill information student.
18. Create a JavaScript code to display any message.

19. Create a JavaScript code using Arithmetic Operator, Assignment Operator, Comparison Operator, Logical Operator and String Operator.
20. Create a JavaScript code using Control Statements.
21. Write a JavaScript code to change the background color of the Web Page.
22. Write a JavaScript code to display Factorial of the given number.
23. Demonstrate with example how to send email using html.