

Branch Name:	Computer Engineering
Program Code:	ET404
Course Name:	Web Development Language (HTML)
Course Code:	2ET4000210
Pre-requisite Course:	Basic knowledge of “Designing”

Course Objectives: (Min 3)

1. Understand the principles of creating an effective web page, including an in-depth consideration of information architecture.
2. Become familiar with graphic design principles that relate to web design and learn how to implement theories into practice.
3. Develop skills in analyzing the usability of a web site.
4. Understand how to plan and conduct user research related to web usability.
5. Learn the language of the web: HTML and CSS.
6. Learn CSS grid layout and flex box.
7. Learn techniques of responsive web design, including media queries.

Teaching and Examination Scheme:

Teaching Scheme (Hours per week)				Evaluation Scheme (Marks)				Total (Marks)
Lecture (L)	Tutorial (T)	Practical (P)	Credit	Theory		Practical		
				University Assessment	Continuous Assessment	University Assessment	Continuous assessment	
0	-	4	2	-	-	40	60	100

Subject Contents:

SR. NO.	TOPICS	TOTAL HOURS
1	Web Site development Essentials 1.1 Overview of Web Design Concepts 1.2 Web Development Teams 1.3 WebProject Management Fundamentals 1.4 Web Site Development Process 1.5 Web Page Layout and Elements 1.6 Web Site Usability and Accessibility 1.7Configure Browsers Setting 1.8 Navigation Concepts 1.9 Web Graphics 1.10Multimedia and the Web	20

2	Hyper Text Markup Language (HTML) 2.1 HTML and the Evolution of Markup languages 2.2 Create Hyperlinks 2.3 Create Tables 2.4 Create Web Forms 2.5 Image Inserting Techniques 2.6 CreateFrames 2.7 GUI HTML Editors 2.8 Site Content and Metadata	20
3	Dreamweaver Basics 3.1 Features of Dreamweaver Interface 3.2 Setting Up a Site with Dreamweaver 3.3 FTP - Site Upload Feature of Dreamweaver 3.4 Create various types ofLinks 3.5 Insert multimedia including text, image, animation & video	15
4	Cascading Style Sheets 4.1Cascading Style Sheets for Web page design 4.2 Creating CSS rules in Dreamweaver 4.3Format Text with CSS 4.4Use of CSS Selectors 4.5EmbedStyle Sheets 4.6Attach External Style Sheets	15
5	Using CSS with Tables 5.1Insert and Styling Tables 5.2Import Table Data 5.3Style Tables with CSS 5.4Sort Data in Tables	16
6	Using basic JavaScript in webpage 6.1 JavaScript for web page designing 6.2 Syntax, variables, values etc of JavaScript	14

SUGGESTED LIST OF EXERCISES/PRACTICAL/EXPERIMENTS:

S. No.	Practical Exercise
1	Study about different tools used in html editing. (Notepad++, Dream Viewer).
2	To Study Structure of HTML page.
3	Practical to perform following tags: Heading, Font.
4	Practical to insert line and break into page.
5	Practical to perform paragraph formatting.
6	Making ordered and unordered list.
7	Practical to insert images in page.
8	Practical to perform marquee tags.
9	Practical to link one page to other page.
10	Practical to embed image, audio and video.
11	Study about Structure of CSS file and types of CSS.
12	Practical to perform following CSS properties on HTML page: Border, Margin, Padding, Height, Width, Text, Fonts, Icons, Links, Lists, Tables, Opacity.
13	Practical to print your name using JavaScript.
14	Practical to use of different operators in JavaScript.
15	Practical to demonstrate different events in JavaScript.
16	Study how to plan and design web site.
17	Practical to demonstrate how to host and upload the web site.
18	Make a simple web site which contains 5 page. (Use HTML and CSS).

Text Books / Reference Books:

S.No.	Title of Book	Author	Publication
1	Mastering HTML4.0	Ray and Ray	BPB
2	HTML and CSS: the Complete Reference	-	Fifth Edition (McGraw Hills)

List of Open-Source Software/learning website:

<https://www.w3schools.com/>

<https://www.tutorialspoint.com/>

Course Learning Outcomes (CLO): On completion of this course, the students will be able to:

CLO	Description	Bloom's Taxonomy Level
CLO1	To Study Structure of HTML page.	6 Creating 2 Understanding
CLO2	Practical to perform following tags: Heading, Font, insert line and break into page.	6 Creating
CLO3	Perform paragraph formatting, Making ordered and unordered list.	3 Applying 6 Creating
CLO4	insert images in page, perform marquee tags, link one page to other page.	3 Applying 6 Creating
CLO5	Study about Structure of CSS file and types of CSS, Practical to perform following CSS properties on HTML page: Border, Margin, Padding, Height, Width, Text, Fonts, Icons, Links, Lists, Tables, Opacity.	5, 3, 4, 6 Evaluate, Applying, Analyze, Creating
CLO6	Able to print your name or demonstrate different events using JavaScript.	6 Creating

Course Learning Outcomes	Program Outcomes(Pos)											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CLO1	M											
CLO2	H											
CLO3	H						M					
CLO4	M					L						
CLO5	H	M		M			H					
CLO6	M	L		L								L

H: High, M: Medium, L: Low