

Name of Faculty	:	Faculty of Engineering & Technology
Name of Program	:	Diploma Engineering (DE)
Course Code	:	1DCO01
Course Title	:	Web Page Designing
Type of Course	:	Basic Engineering (BE)
Year of Introduction	:	2023-24

Prerequisite	:	Basic knowledge of HTML
Course Objective	:	This course will impart skill sets related to designing HTML web pages, using cascading style sheets and embedding Java script.
Course Outcomes	:	At the end of this course, students will be able to:
	CO1	Design webpage by <b>remembering</b> formatting, image and table tags.
	CO2	To <b>understand</b> advanced HTML tags and <b>apply</b> them to design interactive and semantic web pages.
	CO3	Design and publish websites using the Dreamweaver.
	CO4	<b>Apply</b> CSS internal and/or external style sheets for designing web pages.
	CO5	To <b>understand</b> and write client side script using Java script.
	CO6	Design webpage using Bootstrap.

#### Teaching and Examination Scheme

Teaching Scheme (Contact Hours)			Credits	Examination Marks				
L	T	P		Theory Marks		Practical Marks		Total Marks
SEE	CIA	SEE	CIA					
2	0	4	4	70	30	30	20	150

Legends: **L**-Lecture; **T**-Tutorial/Teacher Guided Theory Practice; **P** – Practical, **C** – Credit, **SEE** – Semester End Examination, **CIA** – Continuous Internal Assessment (It consists of Assignments/Seminars/Presentations/MCQ Tests, etc.)

**Course Content**

Unit No.	Topics	Teaching Hours	Weightage	Mapping with CO
1	<b>Basics of HTML:</b> Introduction to HTML, Syntax - Tags and Attributes, Formatting Tags(Body, Heading Styles, Paragraph, q,sub, sup, Mark, Pre, Special Characters, head, title), Image Tags (img , figure, figcaption, map, area, Hyper linking, Tables (table, th, tr, td, col , col group ,caption).	5	15%	CO1
2	<b>Advanced HTML(HTML5):</b> Lists(Sorted List, Unsorted List, Definition List), Semantic Elements (header, nav,section, article, aside, footer), Media Tags (audio, video, embed,svg), HTML Form(Form Object ,Form Elements and its properties and events (Input types-Text, Date, email etc., Datalist , fieldset, legend, select,option, optiongroup))	6	16%	CO2
3	<b>Dreamweaver Basics :</b> Features of Dreamweaver Interface, Setting Up a Site with Dreamweaver, FTP - Site Upload Feature of Dreamweaver, Create various types of Links, Insert multimedia including text, image,animation & video	6	18%	CO3
4	<b>CascadingStyle Sheets (CSS3):</b> Introduction to CSS, CSS Types(inline Style, Embedded Style, Linked Style), Applying CSS styles to web page elements, div Tag, CSS Selectors (Class and ID)	8	17%	CO4
5	<b>JavaScript :</b> Introduction to Java script, Basic Syntax - Statements, Comments, Data types, Variables, Operators- Arithmetic, logical, comparison, Working with built-in functions(alert(), prompt(), parsingfunctions, eval()), Conditional statements, Loop statements, Working with user defined functions., Document Object Model - Accessing HTML elements into java script(Window ,Document, Form, Input elements , noscript tag), HTML Events (onchange, onclick, onmouseover, onmouseout, onkeydown, onload)	9	20%	CO5

6	<b>Bootstrap:</b> Bootstrap Basic Table, Bootstrap Images, Bootstrap Buttons, Button Groups, Bootstrap Dropdowns, Bootstrap Navigation Bar, Bootstrap Forms	6	14%	CO6
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Suggested Distribution of Theory Marks Using Bloom's Taxonomy						
Level	Remembrance	Understanding	Application	Analyse	Evaluate	Create
<b>Weightage</b>	<b>20</b>	<b>40</b>	<b>40</b>	<b>0</b>	<b>0</b>	<b>20</b>

NOTE: This specification table shall be treated as a general guideline for the students and the teachers. The actual distribution of marks in the question paper may vary slightly from above table.

#### Suggested List of Experiments/Tutorials

Sr. No.	Name of Experiment/Tutorial	Teaching Hours
1	Use HTML text formatting tags to create web page as per given sample.	2
2	Use hyper link and Image tags to navigate through different web pages as per given sample.	2
3	Use HTML table tags to create web page as per given sample.	2
4	Use Different types list to create web page as per given sample page.	4
5	Create a student registration webpage using different HTML form elements.	4
6	Explain various features of Dreamweaver interface and Setup basic web page with Dreamweaver.	4
7	Use inline, internal and external style sheets for the registration form.	4
8	Create and format your class time table Page Using Different CSS Elements(Note: use CSS Background, Text, Font, Tables, Links , Images, Margin etc)	2
9	Use JavaScript to print first 10 even numbers.	2
10	Use JavaScript user defined functions to perform the following operations: a. to calculate sum of 1 to n b. to check whether given number is prime or not	2
11	Use JavaScript to perform the following operation: Perform arithmetic operations on two numbers entered into textboxes. Use Radio buttons to select arithmetic operations (Addition, Subtraction, Multiplication and Division). Display the result in another textbox.	4
12	Experiment to demonstrate class time Table web page using Bootstrap Basic Table.	2
13	Experiment to demonstrate Sigma University web page using	2

	Bootstrap Images.	
15	Experiment to demonstrate Sigma University web page using Bootstrap Buttons, Button Groups, Dropdowns.	4
16	Experiment to demonstrate Sigma University web page using Bootstrap Navigation Bar, Bootstrap Forms.	4

#### Major Equipment/ Instruments and Software Required

Sr. No.	Name of Major Equipment/ Instruments and Software
1	Notepad, notepad++
2	Computer System with latest configuration & Dreamweaver software

#### Suggested Learning Websites

Sr. No.	Name of Website
1	Adobe Dreamweaver: Website: <a href="http://www.adobe.com/devnet/dreamweaver.html">http://www.adobe.com/devnet/dreamweaver.html</a>
2	Learn HTML/CSS Website: <a href="http://www.w3schools.com/html/default.asp">http://www.w3schools.com/html/default.asp</a>
3	Learn HTML/CSS Website: <a href="http://www.html.net/">http://www.html.net/</a>
4	Adobe Dreamweaver: Website: <a href="http://www.adobe.com/devnet/dreamweaver.html">http://www.adobe.com/devnet/dreamweaver.html</a>
5	Learn HTML/CSS Website: <a href="http://www.w3schools.com/html/default.asp">http://www.w3schools.com/html/default.asp</a>
6	<a href="https://www.tutorials4u.com/editors/using-komposer-web-editor.htm">https://www.tutorials4u.com/editors/using-komposer-web-editor.htm</a>
7	<a href="https://www.w3schools.com/bootstrap/default.asp">https://www.w3schools.com/bootstrap/default.asp</a>

#### Reference Books

Sr. No.	Name of Reference Books
1	Beginning Web Programming with HTML, XHTML, and CSS By Duckett, Jon(Wrox,2008)
2	HTML & CSS: The Complete Reference By Tata McGraw Hills, New Delhi, 2010 ISBN : 9780070701946
3	JavaScript the CompleteReference: Tata McGraw Hills, New Delhi, 2004 ISBN : 9780070590274
4	HTML 5 Blackbook : Dreamtech press, New Delhi, ISBN : 9789351199076