

Lesson Plan

Name : MAMTESH and DIVANSHU

Discipline : Computer Engg.

Semester : 2ND

Subject : Advance in information technology

Lesson Plan Duration : 15 weeks (from 15 Jan 2026 to 30 April 2026)

Work Load (Lecture / Practical) per week (in hours): Lectures-03, Practical-02

Week	Theory		Practical	
	Lecture day	Topic	Practical week	Topic
1 st	1ST	UNIT I HTML Fundamentals Introduction to HTML- Characteristics of HTML language, Structure of a HTML page.	1st	1. Creating an HTML document
	2ND	Describing Tags. How to create a HTML document? Viewing HTML document,		
	3RD	Commonly used web browsers. HTML4 – List of Tags in HTML4		
2 nd	4TH	HTML tags: Container elements, empty elements. Using tags, Heading, Paragraph,	2nd	2. Working with Mark up Tags
	5TH	Changing appearance of text (bold, italics, underline, subscript, superscript), center tag, title tag.		
	6TH	Changing font size, text color and background, Changing the background color and background of HTML page,		
3 rd	7TH	Top margin, left margin, and its attributes.	3 rd	3. Working with Heading-Paragraphs
	8TH	Revision		
	9TH	Test		
4 th	10TH	UNIT II Working with HTML Using list and images: Unordered lists: type attribute.	4th	4. Working with Text 5. Working with Lists
	11TH	Ordered lists: start attribute, type attribute, value attribute.		
	12TH	Nested lists. Inserting images, aligning an image, centering image		
5 th	13TH	Nested lists. Inserting images, aligning an image, centering image, adding border to a image, alternate text,	5th	6. Working with Tables and Frames 7. Working with Hyperlinks 8. Working with Images and Multimedia 9. Working with Forms and controls.
	14TH	adding border to a image, alternate text		
	15TH	setting height and width, adding space around the image.		

6 th	16TH	Working with links: Anchor elements, creating hyperlink to a document.	6th	10. Create a HTML form with Name, Password and Confirm Password Write a Java script to validate if Password and Confirm Password field values are same. 11. Write a Java script to animate a simple Image using set Timeout.
	17TH	Internal linking and external linking.		
	18TH	Assignment		
7 th	19TH	Test	7th	12. Write a Java script to illustrate auto refreshing in your own Web page. 13. Develop a simple calculator using Java script.
	20TH	UNIT III Designing with HTML Creating tables: Creating a table, attributes of table tag		
	21ST	Designing with HTML Creating tables: Creating a table, attributes of table tag		

Week	Theory		Practical	
	Lecture day	Topic (including assignment / test)	Practical Day	Topic
8 th	22ND	(BORDER, BORDERCOLOR, BGCOLOR, ALIGN, CELLPACING, CELLPADING, WIDTH) Attributes of table row <tr> and table data <td>	8th	14. Write a Java script to illustrate the use of cookies in your own Web page. 15. Write a Java script to prompt two integer numbers from the user and display the sum of them.
	23RD	tag (BORDERCOLOR, BGCOLOR, ALIGN, VALIGN, HEIGHT). Row span and Col span. Working with Frames.		
	24TH	Use and creating frames. Introduction to Forms		
9 th	25TH	Steps for developing a Website	9th	16. Write a Java script to greet the user with “Good Morning” or “Good Afternoon” or “Good Evening” depending on the current time.
	26TH	Assignment		
	27TH	Test		
10 th	28TH	UNIT IV JAVA Script Overview and Core Language Features Introduction to Scripting Languages,	10th	17. Generate a Digital Clock using Java script.
	29TH	JavaScript Implementation-ECMAScript-DOM-BOM Values-Variables-Literals-Constants-Operators		
	30TH			

11 th	31ST	Introduction to Scripting Languages, JavaScript Implementation-ECMAScript-DOM-BOM-Values-Variables-Literals-Constants-Operators a	11th	18. Write a Java script to change the background color of the image in definite time intervals
	32ND	Expressions-Regular Expressions Conditional Branching Statements-		
	33RD	Conditional Looping Statements-Functions-		
12 th	34TH	Creating Simple Java Script page-Adding JavaScript page into HTML	12th	Revision
	35TH	Assignment		
	36TH	Test		
13 th	37TH	UNIT V Document Access The Document Object Model: Mapping your HTML	13th	Revision
	38TH	Text Nodes-Attribute Nodes Accessing the Nodes you Want:		
	39TH	Finding an Element by ID-Finding Elements by Tag Name-Finding Elements by Class Name;		
14 th	40TH	Navigating the DOM Tree-Interacting with Attributes - Changing Styles	14th	Revision
	41ST	Changing Styles with Class and Id-Font-Table		
	42ND	Layout-Text Properties- Padding, Borders and Margins		
15 th	43RD	Assignment	15th	Revision
	44TH	Revision		
	45TH	Test		