

Lesson Plan
Computer Engg. Department
Session Jan 2025-2026(2nd Sem)

Subject : Advances in information technology

Load: Lectures-03, Practical-02

Week	Theory		Practical	
	Lecture day	Topic	Practical week	Topic
1 st	1 st	HTML Fundamentals Introduction to HTML- Characteristics of HTML language, Structure of a HTML page. Describing Tags.	1 st	1. Creating an HTML document
	2 nd	Viewing HTML document, commonly used web browsers. HTML4 – List of Tags in HTML4, HTML tags.		
	3 RD	Container elements, empty elements. Using tags, Heading, Paragraph, Changing appearance of text (bold, italics, underline, subscript, superscript)		
2 nd	4 TH	Center tag, title tag. Changing font size, text color and background, Changing the background color and background of HTML page	2 nd	2. Working with Mark up Tags 3. Working with Heading-Paragraphs
	5 th	Top margin, left margin, <hr> and its attributes		
	6 th	Revision		
3 rd	7 th	Test	3 rd	4. Working with Text 5. Working with Lists
	8 th	Using list and images: Unordered lists: type attribute. Ordered lists: start attribute, type attribute, value attribute.		
	9 th	Nested lists. Inserting images, aligning an image, centering image, adding border to a image, alternate text,		
4 th	10 th	Setting height and width, adding space around the image. Working with links: Anchor elements, creating hyperlink to a document.	4 th	6. Working with Tables and Frames 7. Working with Hyperlinks
		Internal linking and external linking.		
	11 th 12 th	Assignment		
5 th	13 th	Test	5 th	8. Working with Images and Multimedia
	14 th	Creating tables: Creating a table, attributes of table tag		
	15 TH	(BORDER, BORDERCOLOR, BGCOLOR, ALIGN, CELSPACING, CELLPADING, WIDTH) Attributes of table row <tr> and table data <td>		9. Working with Forms and Controls
6 th	16 TH	tag (BORDERCOLOR, BGCOLOR, ALIGN, VALIGN, HEIGHT). Row span and Col span. Working with Frames.	6 th	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.
	17 th	Use and creating frames. Introduction to Forms Steps for developing a Website		

	18th	Assignment		
7 th	19th	Test	7 th	12. Write a Java script to illustrate auto refreshing in your own Web page. 13. Develop a simple calculator using Java script.
	20 th	Introduction to Scripting Languages,		
	21 st	JavaScript Implementation-ECMAScript-DOM- BOM		
8 th	22 nd	DOM-BOM-Values-Variables-Literals	8 th	14. Write a Java script to illustrate the use of cookies in your own Web page.
	23 rd	DOM-BOM-Constants-Operators		
	24 th	Expressions-Regular Expressions Conditional Branching Statements-		
9 th	25 th	Expressions-Regular Expressions Conditional Branching Statements-	9 th	15. Write a Java script to prompt two integer numbers from the user and display the sum of them.
	26 th	Conditional Looping Statements-Functions		
	27 th	Conditional Looping Statements-Functions		
10 th	28 th	Creating Simple Java Script page-Adding JavaScript page into HTML	10 th	16. Write a Java script to greet the user with “Good Morning” or “Good Afternoon” or “Good Evening” depending on the current time.
	29 th	Assignment		
	30 th	Test		
11 th	31 th	Mapping your HTML- Text Nodes, Attribute Nodes	11 th	17. Generate a Digital Clock using Java script.
	32 th	Accessing the Nodes		
	33 th	Finding an Element by ID-Finding Elements by Tag Name		
12 th	34 th	Finding Elements by Class Name;	12 th	18. Write a Java script to change the background color of the image in definite time intervals
	35 th	Navigating the DOM Tree-Interacting with Attributes		
	36 th	Changing Styles with Class and Id		
	37 th	Font-Table Layout		Revision
13 th	38 th	Text Properties- Padding, Borders and Margins	13 th	
	39 th	Text Properties- Padding, Borders and Margins		
14 th	40 th	Revision	14 th	Revision
	41 th	Revision		
	42 th	Revision		
15	43 th	Revision	15 th	Revision
	44 th	Revision		
	45 th	Revision		