

Lesson Plan

Name of the Faculty : Harish Kumar Kaushik

Discipline : Computer Engg.

Semester : 2ND

Subject : Advance in information technology

Lesson Plan Duration : 15 weeks (from MARCH 2023 to June 2023)

Work Load (Lecture / Practical) per week (in hours): 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
	11 th	Internal linking and external linking.		
	12 th	Assignment		
5 th	13 th	Test	5 th	8. Working with Images and Multimedia 9. Working with Forms and controls.
	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>		
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	7th	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	8th	14. Write a Java script to illustrate the use of cookies in your own Web page.
	23rd	DOM-BOM-Constants-Operators		
	24th	Expressions-Regular Expressions Conditional Branching Statements-		
9 th	25th	Expressions-Regular Expressions Conditional Branching Statements-	9th	15. Write a Java script to prompt two integer numbers from the user and display the sum of them.
	26th	Conditional Looping Statements-Functions		
	27th	Conditional Looping Statements-Functions		
10 th	28th	Creating Simple Java Script page-Adding JavaScript page into HTML	10th	16. Write a Java script to greet the user with “Good Morning” or “Good Afternoon” or “Good Evening” depending on the current time.
	29th	Assignment		
	30th	Test		
11 th	31th	Mapping your HTML- Text Nodes, Attribute Nodes	11th	17. Generate a Digital Clock using Java script.
	32th	Accessing the Nodes		
	33th	Finding an Element by ID-Finding Elements by Tag Name		
12 th	34th	Finding Elements by Class Name;	12th	18. Write a Java script to change the background color of the image in definite time intervals
	35th	Navigating the DOM Tree-Interacting with Attributes		
	36th	Changing Styles with Class and Id		
13 th	37th	Font-Table Layout	13th	Revision
	38th	Text Properties- Padding, Borders and Margins		
	39th	Text Properties- Padding, Borders and Margins		
14 th	40th	Revision	14th	Revision
	41th	Revision		
	42th	Revision		
15	43th	Revision	15th	Revision
	44th	Revision		
	45th	Revision		