Lesson Plan (2nd Semester)

Name of Faculty : **Mrs . Poonam**
Designation : **Lecturer**
Discipline : **Computer Engineering**
Semester : **2nd**
Subject : **Advances in IT**
Lesson Plan Duration: **15 Weeks (from FEB. 2024 to June. 2024)**

Work Load(Lecture/Practical)per week(In hours): 03-Lectures / 02-Practicals

Week	Theory		Practical	
	Lecture Day	**Topic(including assignment/Test)**	**Pract. Day**	**Topic**
1st	**1st**	**UNIT -I HTML FUNDAMENTALS** Introduction to HTML-Characteristics of HTML language, Structure of a HTML page, describing Tags. How to create a HTML document? Viewing HTML document, commonly used web browsers. HTML4 – List of Tags in HTML4, HTML tags	**1st**	**PART A: HTML** Creating an HTML document, Working with Markup Tags, Working with Heading,-Paragraphs.
	2nd	Container elements, empty elements. Using tags, Heading, Paragraph, Changing appearance of text (bold, italics, underline, and subscript, superscript), center tag, title tag. Changing font size, text color and background,	**2nd**	Working with Text, Working with Lists, Working with Tables and Frames, Working with Hyperlinks
	3rd	Changing the background color and background of HTML page, Top marging, left margin, & nbsp ,<hr> and its attributes.		

		Working with HTML		
2nd	**1st**	**Unit-II** **WORKING WITH HTML** Using list and images: Unordered lists: type attributes. Ordered lists: start attribute, Type attributes Value attributes. Nested lists, Inserting images, Aligning an image, Centering image	**3rd**	Working with Text Working with Lists Working with Tables and Frames Working with Hyperlinks.
	2nd	Value attribute, Nested lists, Inserting images, aligning an Image centering image.	**4th**	Working with Images and Multimedia, Working with Forms and controls
	3rd	Adding border to a image, alternate text, setting height and width, adding space around the image. Working with links		
3rd	**1st**	Adding border to a image, alternate text, setting height and width, adding space around the image. Working with links.	**5th**	**Revision**
	2nd	**Revision**	**6th**	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.
	3rd	Anchor elements Creating hyperlink to a document. Internal linking and external linking, Designing with HTML. .		
4th	**1st**	**UNIT -III** **Designing with HTML** Creating a table, attributes of table tag (BORDER, BORDERCOLOR, BGCOLOR	**7th**	Write a Java script to animate a simple Image using set Timeout
	2nd	ALIGN, CELLSPACING, CELLPADING, WIDTH) Attributes	**8th**	Write a Java script to illustrate auto refreshing in

		of table row <tr>		your own Web page.
	3rd	Attributes of table row <tr>		
5th	**1st**	table data <td> tag (BORDERCOLOR, BGCOLOR, ALIGN, VALIGN, HEIGHT	**9th**	Develop a simple calculator using Java script.
	2nd	Row, span and Col span.	**10th**	Write a Java script to illustrate auto refreshing in your own Web page.
	3rd	Working with Frames. Use and creating frames.		
6th	**1st**	Introduction to Forms, Steps for developing a Website.	**11th**	Develop a simple calculator using Java script.
	2nd	**Revision/Test**	**12th**	Write a Java script to illustrate the use of cookies in your own Web page
	3rd	**Revision/Test**		
7th	**1st**	**UNIT IV- JavaScript Overview and core language features** Introduction to Scripting Languages, JavaScript Implementation, ECM A Script-DOM-BOM Values-Variables-Literals Constant, Operators, expressions-Regular Expressions	**13th**	Write a Java script to illustrate the use of cookies in your own Web page.
	2nd	Literals-Constants, Operators.	**14th**	Write a Java script to illustrate the use of cookies in your own Web page
	3rd	Literals-Constants-Operators.		
8th	**1st**	Conditional Branching Statements	**15th**	Write a Java script to illustrate the use of cookies in your own Web page
	2nd	Conditional Looping Statements-Functions-Creating Simple Java Script page, Adding JavaScript page into HTML.	**16th**	Write a Java script to illustrate the use of cookies in your own Web page
	3rd	**Revision/Test**		

9th	1st	**UNIT-V** **DOCUMENT ACCESS** The Document Object Model: Mapping your HTML Text Nodes Attribute Nodes, Accessing the Nodes.	**17th**	Write a Java script to prompt two integer numbers from the user and display the sum of them.	
	2nd	Finding an Element by ID. Finding Elements by Tag. Finding Elements by Class Name	**18th**	Write a Java script to prompt two integer numbers from the user and display the sum of them.	
	3rd	Navigating the DOM Tree-Interacting with Attributes - Changing Styles: Changing Styles with Class and Id-Font-Table Layout-Text Properties-			
10th	1st	**Revision/test**	**19th**		
	2nd	**Revision/test**	**20th**	Write a Java script to prompt two integer numbers from the user and display the sum of them.	
	3rd	Finding an Element by ID-Finding Elements by Tag, name-Finding Elements by Class Name			
11th	1st	Navigating the DOM Tree-Interacting with Attributes - Changing Styles:	**21th**	Write a Java script to greet the user with "Good Morning" or "Good Afternoon" or "Good Evening" depending on the current time.	
	2nd	**Revision/Test**	**22th**	Generate a Digital Clock using Java script	
	3rd	**Revision/Test**			
12th	1st	Finding an Element by ID-Finding Elements by Tag name -Finding Elements by Class Name.	**23th**	Write a Java script to change the background color of the image in definite time intervals.	
	2nd	**Revision/Test**	**24th**	Write a Java script to change the background color of the image in definite time	
	3rd	**Revision/Test**			

				intervals.
13th	1st	**Revision/Test**	25th	Write a Java script to change the background color of the image in definite time intervals.
	2nd	Finding an Element by ID-Finding Elements by Tag. Name-Finding Elements by Class Name	26th	Generate a Digital Clock using Java script. Write a Java script to change the background color of the image in definite time intervals.
	3rd	Navigating the DOM Tree-Interacting with Attributes - Changing Styles: Changing Styles with Class and Id-Font-Table Layout-Text Properties-padding, borders and Margins.		
14th	1st	Changing Styles with Class and Id-Font-Table Layout	27th	Write a Java script to change the background color of the image in definite time intervals.
	2nd	Text Properties-padding.	28th	Write a Java script to change the background color of the image in definite time intervals.
	3rd	Text Properties-padding.Borders and Margins.		
15th	1st	**Revision**	29th	**Exercise**
	2nd	**Test**	30th	**Exercise**
	3rd	**Test**		