

LESSON PLAN- WT

Name of Faculty : Ms. Priyanka Sachdeva
Discipline : Computer Science Engg.
Semester : B.Tech 6th Semester
Subject : Web Technology
Lesson plan duration : 15 Weeks
Work Load (Lecture/Practical) Per Week (in hours): Lecture - 03, Practical – 03

Week	Theory		Practical	
	Lecture day	Topic (Including assignment and test)	Practical Day	Topic
1	1	Origins and Evolution of HTML and XHTML	1	Create your own page with your favorite hobbies using HTML
	2	Basic Syntax, Standard XHTML Document Structure		
	3	Basic Text Markup, Images		
2	4	Hypertext Links, Lists	2	Create pages for each section. For the lowermost section, create page that loads the content into the middle section. The topmost section should contain a page describing the web page itself
	5	Tables, Forms		
	6	HTML5, Syntactic Differences between HTML and XHTML.		
3	7	Introduction, Levels of Style Sheets	3	Create a frameset in HTML that is divided into three sections. The frameset should have three zones. <ol style="list-style-type: none"> a. The Topmost section of the frameset should take up about just 15% of the browser window. Name this frame title. b. The middle section should be 75% of the browser window.
	8	Style Specification Formats, Selector Forms		
	9	Box Model, Background Images		

				<p>Name this frame title.</p> <p>c. The lower section should be 10% of the browser window.</p> <p>Name this frame menu.</p>
4	10	Conflict Resolution.	4	Create a web page, which displays the map of your country Link, each city /state on the image map, such that the respective HTML page of the city/state is displayed when the user selects an area.
	11	Class Test		
	12	The role of Information Architect, Collaboration and communication,		
5	13	Organizing information, organizational challenges,	5	Incorporate a quest book into the Diary Food Webpage and use Java Script to build validations into the form.
	14	Organizing web sites and Intranets, Creating cohesive organization systems		
	15	designing navigation systems, types of navigation systems		
6	16	Integrated navigation elements, designing elegant navigation systems,	6	Use Cascading Style sheets (CSS) to modify the following: <ul style="list-style-type: none"> a. Change background. b. Change font type, face and color. c. Align Text. d. Remove underlines from hyperlinks.
	17	Searching systems, Searching your web site		
	18	designing the search interface, Indexing the right stuff,		
7	19	To search or not to search grouping content,	7	Create your own page with your favorite hobbies using HTML, JavaScript and CSS

		conceptual design		
	20	High level Architecture, Blueprint		
	21	Architectural Page Mockups, Design Sketche		
8	22	Class Test	8	Create a webpage using form controls.
	23	Overview of JavaScript		
	24	Object Orientation and JavaScript		
9	25	Object Orientation and JavaScript	9	Write the program for using JavaScript by using for – loops (through a block of code a number of times), for/in - loops (through the properties of an object), while - loops (through a block of code while a specified condition is true), do/while - loops (through a block of code while a specified condition is true).
	26	General Syntactic Characteristics,		
	27	Primitives, Operations, and Expressions		
10	28	Screen Output and Keyboard Input	10	Write a program in Java Script for the following: 1. Copying, passing, and comparing by value
	29	Control Statements, Object Creation and Modification		
	30	Arrays, Functions		
11	31	Constructors,	11	Write a Python function/program that accepts the lengths of three sides of a triangle as inputs. The program output should indicate whether or not the triangle is an equilateral triangle.
	32	Pattern Matching Using Regular Expressions		
	33	Errors in Scripts		
12	34	Class Test	12	Write the Python functions for linear search, binary search, selection sort, Bubble Sort, Insertion Sort and converting Fibonacci to a linear algorithm.
	35	Introduction to Python,		
	36	Introduction to Python,		
13	37	Data Types and Expressions,	13	Write a program in Java Script for the following: a. Copying, passing, and comparing by reference
	38	Data Types and Expressions,		

	39	Control Statements,		b. References themselves are passed by value
14	40	Control Statements,	14	Write program in Java Script for pattern matching using regular expressions and errors in scripts.
	41	Strings and Text Files,		
	42	Lists and Dictionaries,		
15	43	Design with Functions,	15	Add the tickertape applet to your page by customizing it for the following settings: <ul style="list-style-type: none"> a. Increase the count by one. b. Accordingly update the message count. c. Change the text color to (237,192,171) d. Experiment with changing the scrolling speed. e. Customize the message text as per your page requirement.
	44	Design with Classes		
	45	Class Test		