



SRM UNIVERSITY
Faculty of Science and Humanities
Department of Computer Science

Subject Name: Web Technology

Subject code: PIT14202

Staff Name I.Nagarajan

No. of Hrs Per week:

4

List of books: 1.Margaret Levine Young, "Internet-The Complete Reference

Unit I

Internet Concepts – Domain Name Service – Online Chatting, Messaging and Conferencing Concepts – Usenet Newsgroup Concepts –World Wide Web Concepts – Web Security: Privacy and Site – Blocking- Browsers : IE, Netscape, Opera – Web Servers: IIS, Apache- Web Site Creation Concepts: Planning Your Web Site - Creating Your Site - Publishing Your Site - Publicizing Your Site

Session	Description	Reference with chapter
1	Fundamentals of Web	TB1,Ch-1
2	History of Web	TB1,Ch-1
3	Web development overview	TB1,Ch-1
4	Domain Name System DNS	TB1,Ch-1
5	DHCP, and SMTP and other servers	TB1,Ch-4
6	Internet Service provider (ISP)	TB1,Ch-1
7	Concept of IP Address	TB1,Ch-1
8	Internet Protocol	TB1,Ch-1
9	TCP/IP Architecture	TB1,Ch-4
10	Web Browser	TB1,Ch-10
11	Web Server	TB1,Ch-10
12	TCP /IP Protocol	TB1,Ch-4

Unit II

Web Technologies – HTML - Structure of a Page – Dynamic and Static Pages – Basic Document Structure – Attribute Groups – Text Formatting – Presentational, Phrase Elements – Lists - Editing Text - Character Entities for Special Characters – Links and Navigation - Links – Directories and Directory Structures – Creating Links– Colors, Images and Objects – Using Images as Links – Tables– Basic Table Elements and Attributes –Advanced Tables – Accessibility issues with Tables.

Session	Description	Reference with chapter
13	HTML Tag	Tutorialspoint
14	Rules of HTML	Tutorialspoint
15	Text formating & Style	Tutorialspoint
16	List, Adding Graphics to HTML Document	Tutorialspoint
17	Tables and Layout	Tutorialspoint
18	Linking Documents	Tutorialspoint
19	Frame	Tutorialspoint
20	Forms	Tutorialspoint
21	Project in HTML	Tutorialspoint
22	Introduction to DHTML	Tutorialspoint
23	CSS, Class & DIV	Tutorialspoint
24	External Style Sheet	Tutorialspoint

Unit III

Forms – Form Controls – Label - structuring forms – Focus- Frames – The Frameset, Frame No-frames elements – Creating Links between Frames – Nested Framesets- Depreciated and Browser Specific Mark up – Fonts- Backgrounds – Formatting – Links – Lists – Tables- Miscellaneous Attributes – Cascading Style Sheets – CSS – CSS properties – Text Formatting – Text Pseudo-Classes– Selectors – Lengths - Percentages – More CSS – Backgrounds – Lists – Tables - Outlines- Positioning with CSS – Page Layout – Design Issues.

Session	Description	Reference with chapter
25	Java Script (JS) in web page	Tutorialspoint
26	Advantage of Java Script	Tutorialspoint
27	JS Object model and Hierarchy	Tutorialspoint
28	Handling event	Tutorialspoint
29	Operators and Syntax of JS	Tutorialspoint
30	Function of JS	Tutorialspoint
31	Client side JS versus Server side JS	Tutorialspoint
32	JS Security	Tutorialspoint

33	Introduction to VB Script	Tutorialspoint
34	Operators and Syntax of VB Script	Tutorialspoint
35	Dialog Boxes, Control & Loop	Tutorialspoint
36	Function in VBS	Tutorialspoint

Unit IV

VB Script: Purpose - Client Side Script Vs Server Side Script - Program Structure - Data Types and Variables - Procedures - Conditional - Looping - Functions - Constants - Events - Methods - Objects - Operators - Statements - Validation Scripts - Error Handling and Debugging. JavaScript: Learning Java script - Adding a Script to Web Page - Document object Model - Variables - Operators- Functions - Conditional Statements - Looping - Built-in Objects: String, Date, Array, Boolean, Math - JavaScript Validation - Cookies - Animation

Session	Description	Reference with chapter
37	Introduction to XML	Tutorialspoint
38	XML in Action	Tutorialspoint
39	Commercial Benefits of XML	Tutorialspoint
40	Gaining Competitive advantage with XML	Tutorialspoint
41	Programming in XML	Tutorialspoint
42	XML Schema	Tutorialspoint
43	XSLT	Tutorialspoint
44	DOM Structure model	Tutorialspoint
45	XML Queries and transformation	Tutorialspoint
46		Tutorialspoint
47		Tutorialspoint
48		Tutorialspoint

Unit V

jQuery : What Does jQuery Do for Me?, Obtaining jQuery, Installing jQuery - Selecting and Filtering : Using the Selectors API, Filtering a Selection, Searching within a Selection with find method, Finding an Element's Siblings with siblings method, Searching Ancestors Using the parents and parent Methods - Events - Filtering Selections and Arrays : Basic Iteration, Filtering Selections and Arrays - jQuery CSS : CSS Method, The outerWidth and outerHeight Methods - jQuery Effects : Showing and Hiding Elements, Sliding Elements, Fading Elements, Custom Animation.

Session	Description	Reference with chapter
49	Introduction to JQuery	w3schools.com
50	What Does JQuery do for me?	w3schools.com
51	Obtaining JQuery, Installing JQuery	w3schools.com
52	Selecting and Filtering	w3schools.com
53	Using the Selectors API	w3schools.com
54	Filtering a Selection, Searching	w3schools.com
55	Finding an Elements Siblings and Methods	w3schools.com
56	Searching Ancestors Using the Parents and Parent Methods	w3schools.com
57	Events, Filtering Selections and Arrays	w3schools.com
58	Basic Iteration, CSS Methods	w3schools.com
59	Jquery Effects-Showing and hiding & Sliding Elements	w3schools.com
60	Fading Elements and Custom Animation	w3schools.com