



C. U. Shah University, Wadhwan City
Faculty of Computer Science
Name of Program: Master of Science Information Technology
(Web Technology)
Semester : I
W.e.f. June-2014
Teaching & Evaluation Scheme

Sr. No	Subject Code	Subject Name	Teaching Hours/Week				Credits	Evaluation Scheme/Semester							
			Th	Tu	Pr	Total		Theory				Practical			Total Marks
								Sessional Exam		University Exam		Internal		Uni.	
								Mk	Hr	Mks	Hrs	Pr	Case Study	Pr	
1	5CS01WWT1	Web Technologies	4	-	-	4	4	30	1.5	70	3	-	-	-	100

Objectives:

- Students will gain the deeply knowledge of web technologies and its uses in various criteria.
- Students will develop awareness and appreciation of the myriad ways that people access the web and will be able to create standards-based websites that are accessible and usable by a full spectrum of users.

Pre-requisites: HTML, CSS and JavaScript basic knowledge required.

Ch. No.	Chapter Name	Chapter Topics	Total Hours
1	Web terminology	WWW, W3C, Website, URL, Web Page, Home page, Proxy Server, Web Server, Web browser, Cache, HTTP Web Cookie, Session, Hyperlink, Spamming, Phishing, Hacking, Email Scams, SMTP, POP3, IMAP, Blogs, Wiki, Internet Forums, Usenet	03
2.	HTML Revision	Introduction to HTML, HTML tags, HTML document structure, Document tags (<html>, <head>, <title>, <body>) Colors in HTML, Comment tag (<!-- ... -->), Heading tags(<h1>... <h6>), HTML Paragraph tag(<p>) Formatting tags (<pre>, <blockquote>, , <i>, <u>, <strike>, <tt>, <small>, <big>, , <center>, <sub>, <sup>, <blink>, <marquee>, , <abbr>, <address>, <hr>,) HTML images (, client side image map(<area>, <map>)), HTML List (, , , <lh>, <dl>, <dt>, <dd>) HTML Links and anchors (<a>, relative link, absolute link, anchor, <base>, <link>, links with text, links with images) HTML table(<table>, <tr>, <th>, <td>, <caption>) HTML frame (<frameset>, <frame>, <noframes>, <iframe>)	12

		HTML form (<form>,<input>, <textarea>,<select>, <fieldset>, <legend>, <optgroup>)	
		HTML Layout (,<div>), HTML Refreshing and Redirecting(<meta>)	
3	CSS & CSS3	<p>Introduction to CSS ,CSS Style sheet, CSS selector, Types of style sheets</p> <p>CSS Unit, CSS background Property, CSS text Property</p> <p>CSS font Property, CSS border Property, CSS outline Property</p> <p>CSS margin Property, CSS padding Property, CSS list Property, CSS table Property</p> <p>CSS link Property, CSS dimension, CSS display and visibility, CSS positioning, CSS cursor</p> <p>CSS combinators, CSS Pseudo classes, Horizontal and vertical menu generation using CSS,</p> <p>CSS3 Introduction, Browser specific prefixes for CSS3 Properties, CSS3 Colors, CSS3 Borders, CSS3 backgrounds, CSS3 gradients</p> <p>CSS3 text effects, CSS3 fonts</p> <p>CSS3 2D transforms, CSS3 3D transforms, CSS3 transitions</p> <p>CSS3 animations, CSS3 multiple columns, CSS3 user interface</p>	10
4	HTML5	<p>Introduction, HTML5 history, HTML5 new elements</p> <p>HTML5 removed elements, HTML5 syntax, HTML5 semantic elements</p> <p>HTML5 forms (Input types, Form elements, Form attributes)</p> <p>HTML5 graphics (Canvas, SVG)</p> <p>HTML5 MathML, HTML5 events, HTML5 media (audio, video), HTML5 APIs (Geolocation, Drag/drop , Web storage, Web workers, SSI)</p>	6
5	Javascript	<p>Introduction, Characteristics of javascript, <script> tag, Comments in javascript</p> <p>Variable declaration, Datatypes, Javascript operators, Dialog boxes</p> <p>Conditional statements, Looping statements, Branching statements</p> <p>User defined function(defining , calling, function with argument, function with return value, calling function from anchor), User defined object, JavaScript array</p> <p>Predefined objects(string object, date object, array objet, math object)</p> <p>JavaScript events (onabort, onclick, ondblclick, onblur, onfocus, onchange, onkeydown, onkeyup, onkeypress, onmousemove, onmousedown, onmouseout, onmouseover, onmouseup, onsubmit, onreset, onselect, onload, onunload, onresize), Timer events (setInterval, clearInterval, setTimeout, clearTimeout)</p> <p>JavaScript DOM, Document object,History object, Navigator object, Form object, Window object, Frame object</p>	16
6	jQuery and Ajax	<p>Introduction, jQuery syntax, Ready event, jQuery selector, jQuery events, jQuery effects</p> <p>jQuery HTML, jQuery traversing, jQuery- AJAX introduction, jQuery – AJAX methods</p>	8
Total::			55

Teaching Methodology:

Revision, Paper Solving, Seminar, Expert Talk, MCQ Quiz, Viva Test, Programming test

Books Recommended:

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|---|--|------------------|---------------|
| 1. Html &Css: The Complete Reference 5th Edition | Tata Mcgraw Hill Education Private Limited | Thomas A. Powell | 9780070701946 |
| 2. JQuery and JavaScript in 24 Hours, Sams Teach Yourself | Pearson Sams | Brad Dayley | 9780672337345 |

Reference Books :

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|--|---|---------------------------------|---------------|
| 1. Html5 Black Book:Covers Css3,Javascript,Xml,Xhtml,Ajax, Php And JQuery | Dreamtech Press | Kogent Learning Solutions Inc. | 9789350040959 |
| 2. Javascript: The Complete Reference 3rd Edition | McGraw-Hill Education India Pvt.Ltd - New Delhi | POWELL | 9781259064685 |
| 3. jQuery Reference Guide: A Comprehensive Exploration of the Popular JavaScript Library | Packt Publishing | Karl Swedberg, Jonathan Chaffer | 9781847193810 |