C. U. SHAH UNIVERSITY,WADHWAN CITY.

Faculty of: **Computer Science**
Course: **Master of Computer Applications**
Semester**: I**
Subject Code**: 5CS01CHP1**
Subject Name: **HTML Programming**

Sr. No	Subject Code	Subject Name	Teaching hours/ Week			Credit hours	Credit Points	Evaluation Scheme/ Semester								Total
								Theory				Practical				
								Internal Assessment		End Semester Exams		Internal Assessment		End Semester Exams		
			Th	Tu	Pr			Marks	Duration	Marks	Duration	Marks	Duration	Marks	Duration	
4	5CS01CHP1	HTML Programming	4	--	2	6	5	15	1	70	2½	15	1	--	--	100

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Objectives:

- The internet has drastically changed the way we communicate. As web technology dissolves the world's borders, a new "global community" has emerged.
- The course will focus on methods of using interconnected networks to effectively distribute text and information.
- The course will focus on overall site design strategies, explore web usability/interface problems, and outline effective solutions.
- Students will learn and implement HTML to construct a website with consideration to course topics.
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Prerequisites:

Basic knowledge of computer and Internet Website surfing and its controls...

Course outline:

Sr. No.	Course Contents	Number of Hours
1	**Introduction** The World Wide Web (WWW) , HTML History, Hypertext and Hypertext Markup Language	6
2	**HTML Documents** Dividing the document into 2 parts: Headers, Body Tags: Format, Representing 2 types of tag (odd and even) Elements of an HTML Document: Text Elements, Tag Elements, Special Character elements	6

3	**Structural elements of HTML documents**	4
	Header tags	
	Body tags: Paragraphs , Titles, Numbered list, Non-Numbered lists, Definition lists	
4	**Formatting HTML Documents**	4
	Logical styles (source code, text enhancements, variables)	
	Physical Styles (Bold, Italic, underlined, crossed)	
5	**Managing images in html**	6
	Image format (quality, size, type, …)	
	Importing images (scanners)	
	Tags used to insert images	
	Frames	
6	**Tables in HTML documents**	6
	Tags used in table definition	
	Tags used for border thickness	
	Tags used for cell spacing	
	Tags used for table size	
	Dividing table with lines	
	Dividing lines with cells	
	Cell types	
7	**Hypertext and Link in HTML Documents**	5
	URL/FTP/HTTP, Types of links, Link Tags	
	Links with images and buttons	
	Links that send email messages	
8	**Special effects in HTML documents**	3
	Text fonts , Sensitive Images, Tip tables,	
	Page background: Variable, Fixed	
	Rotating messages (Marquee), Counters	
9	**Multimedia**	3
	Audio files and acceptable formats (AIFF, AU, MIDI, WAVE)	
	Video files and acceptable formats (MPEG, Quick Time, Video for Windows).	
10	**managing forms**	5
	Interactive forms, Creating data entry forms, Calling CGI scripts for modifying entered data, Calling programs that use data, Creating output documents	
	Total hours	48

List of Practical:

Sr. No.	Course Contents
1	HTML Basic- A very simple HTML document HTML headings HTML paragraphs HTML links HTML images
2	HTML Headings- HTML headings Insert comments in the HTML source code Insert horizontal lines
3	HTML Paragraphs- HTML paragraphs More paragraphs The use of line breaks Poem problems (some problems with HTML formatting)
4	HTML Text Formatting- Text formatting Preformatted text (how to control line breaks and spaces) Different computer-output tags Insert contact information Abbreviations and acronyms Text direction Long and short quotations How to mark deleted and inserted text
5	HTML Styles- Style HTML elements Style background color Style font, color, and size Style alignment of text Set the font of text Set the font size of text Set the font color of text Set the font, font size, and font color of text Using styles in HTML Link that is not underlined Link to an external style sheet
6	HTML Links - How to create hyperlinks Use an image as a link

	Open link in a new browser window
	Jump to another part of a document (on the same page)
	Break out of a frame
	How to link to a mail message (will only work if you have mail installed)
	Another mailto link
7	HTML Images- Insert images
	Insert images from another folder or another server
	Aligning images
	Let the image float to the left/right of a paragraph
	Make a hyperlink of an image
	Create an image-map, with clickable regions
8	HTML Tables- Simple tables
	Tables without borders
	Table headers
	Table with a caption
	Table cells that span more than one row/column
	Tags inside a table
	Cell padding (control the white space between cell content and the borders
	Cell spacing (control the distance between cells)
9	HTML Lists-An unordered list
	An ordered list
	Different types of ordered lists
	Different types of unordered Lists
	Nested list
	Nested list 2
	Definition list
10	HTML Forms and Input- Create text fields
	Create password field
	Checkboxes
	Radio buttons
	Simple drop-down list
	Drop-down list with a pre-selected value
	Textarea (a multi-line text input field)
	Create a button
	Draw a border around form-data
	Form with text fields and a submit button

	Form with checkboxes and a submit button
	Form with radiobuttons and a submit button
	Send e-mail from a form
11	HTML IFrame - Inline frame (a frame inside an HTML page)
12	HTML head Elements - Specify a title for a document
	One default URL and target for all links on a page
	Provide metadata for a document

Learning Outcomes:
1. Fluency with HTML
2. Grasp the fundamentals of the client/server relationship and internet infrastructure
3. Evaluate website design and information
4. Interpret and assimilate audience variables into effective online communication.

Books Recommended:
1. HTML black book, **Holzner**
2. Web Enabled Commercial Application Development Using HTML, DHTML, PERL, Java
   Script, **Ivan Bayross**, Revsied Edition, Publisher-BPB Publications