C. U. SHAH UNIVERSITY
Wadhwan City

FACULTY OF:- Computer Science
DEPARTMENT OF: - Master of Computer Applications
SEMESTER: -II
CODE :- 5CS02MIT1
NAME – FUNDAMENTALS OF INTERNET TECHNOLOGIES (FIT)

Teaching and Evaluation Scheme

Subject Code	Name of the Subject	Teaching Scheme (Hours)				Credits	Evaluation Scheme								
							Theory					Practical (Marks)			
		Th	Tu	Pr	Total		Sessional Exam		University Exam		Theory Total	Internal		University	Total
							Marks	Hrs	Marks	Hrs		Pr/Viva	TW	Pr	
5CS02MIT1	FUNDAMENTALS OF INTERNET TECHNOLOGIES (FIT)	4	-	2	6	5	30	1.5	70	3	100	10	-	40	**150**

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)	6

	Elements of an HTML Document: Text Elements, Tag Elements, Special Character elements	
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