



**SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY'S
R. N. G. PATEL INSTITUTE OF TECHNOLOGY - RNGPIT**

An Autonomous Institute u/s UGC Act 1956

Approved by AICTE & affiliated to Gujarat Technological University

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Program Name: Integrated M.Sc. (I.T.)

Level: Post Graduate

Branch: Information Technology

Subject Code: 1BS105

Subject Name: Introduction to Web Designing

w. e. f. Academic Year:	2024
Semester:	1
Category of the Course:	Major Course

Prerequisite:	NIL
Rationale:	This course covers basic knowledge of HTML & CSS.

Course Outcome:

After Completion of the Course, Student will able to:

No	Course Outcomes
01	Understand the internet and web technologies.
02	Understand the concept of web designing.
03	Understand and apply concept of HTML.
04	Understand and apply advance concept of HTML concepts.
05	Understand and apply concepts of CSS.

Teaching and Examination Scheme:

Teaching Scheme (in Hours)			Total Credits L+T+ (PR/2)	Assessment Pattern and Marks				Total Marks
L	T	PR		C	Theory		Tutorial / Practical	
			ESE (E)		PA / CA (M)	PA/CA (I)	ESE (V)	
2	0	4	4	70	30	20	30	150

Course Content:

Unit No.	Content	No. of Hours	% of Weightage
1	Introduction of web and internet 1.1. Introduction to WEB: 1.1.1. Basics of WWW 1.1.2. HTTP protocol 1.1.3. Client-Server architecture 1.1.4. Introduction to web server 1.2. Concept of Internet: 1.2.1. A brief introduction to the Internet 1.2.2. Computer Networks 1.2.3. URL 1.2.4. Internet Service Provider 1.2.5. Virtual Private Network	5	15
2	Web Design fundamentals 2.1 Concepts of effective web design 2.2 Bandwidth and Cache 2.3 Display resolution 2.4 Look and Feel of the Website Page Layout and linking 2.5 User-centric design 2.6 Sitemap 2.7 Planning and publishing website 2.8 Designing effective navigation	5	15
3	Basics of HTML 3.1 Introduction to HTML 3.2 Create a Web page 3.3 Linking to other Web Pages 3.4 Publishing HTML Pages 3.5 Text Alignment and Lists	7	25

	3.6 Text Formatting and Fonts 3.7 Email Links and link within a Page 3.8 Creating a Table 3.9 Creating HTML Form & elements 3.10 Custom Backgrounds and Colors		
4	Advance HTML 4.1 Image upload 4.2 Custom Image Background 4.3 Embed videos, Audios and file inside a webpage 4.4 Creating Web Page Graphics 4.5 Putting Graphics on a Web Page 4.6 Creating Animated Graphics	7	25
5	Cascading Style Sheet 5.1 Defining Style with HTML Tags 5.2 Features of Style Sheet 5.3 Style Properties 5.4 Style Classes 5.5 Internal, External and Inline Style Sheet	6	20
	Total	30	100

Suggested Specification Table with Marks (Theory):

Distribution of Theory Marks (%)					
R Level	U Level	A Level	N Level	E Level	C Level
30	40	30	-	-	-

Where R: Remember; U: Understanding; A: Application, N: Analyze and E: Evaluate C: Create (asper Revised Bloom's Taxonomy)

References/Suggested Learning Resources:

(a) Books:

1. Internet and Web Design Based on DOEACC III Revised syllabus 'O' Level - Mac Millan IndiaLtd
2. Teach Yourself HTML 4 in 24 Hours by Dick Oliver (Tech media) 4th edition
3. HTML and CSS by Dick Oliver and Michael Morrison (Pearson Education) 7th edition
4. HTML, DHTML, JavaScript, Perl CGI by Ivan Bayross (BPB) 3rd Edition
5. Web Application Development by Jyotindra Zaveri, Tech Max Publication

(b) Open source software and website:

1. www.w3schools.com
2. www.spoken-tutorial.org

