



Teaching and Examination Scheme:

Teaching Scheme			Credits C	Examination Marks				Total Marks
L	T	P		Theory Marks		Practical Marks		
				ESE (E)	PA (M)	ESE (V)	PA (I)	
3	0	2	4	70	30	30	20	150

Content:

Sr. No.	Content	Teaching	Module Weightage
1.	Introduction to WEB: Basics of WWW, HTTP protocol, Client-Server architecture, Introduction to web server installation and configuration Concept of Internet: A brief introduction to the Internet: Computer Networks, Internet, URL (Uniform Resource Locator), Internet Service Provider, Intranet, Extranet, Virtual Private Network.	06	20
2.	Web Design fundamentals: Concepts of effective web design, Web design issues including Browser, Bandwidth and Cache, Display resolution, Look and Feel of the Website, Page Layout and linking, User-centric design, Sitemap, Planning and publishing website, Designing effective navigation	04	10
3.	Basics of HTML: Introduction to HTML, Create a Web page, Linking to other Web Pages, Publishing HTML Pages, Text Alignment and Lists, Text Formatting Fonts Control, Email Links and link within a Page, Creating a Table, Creating HTML Forms, Creating Web Page Graphics, Putting Graphics on a Web Page, Custom Backgrounds and Colors, Creating Animated Graphics.	08	25
4.	Cascading Style Sheet: Introduction to CSS, Defining Style with HTML Tags, Features of Style Sheet, Style Properties, Style Classes, External Style Sheet	05	20



5.	JavaScript: Writing First Java Script, External JavaScript, Variables: Rules for variable names, Declaring the variable, Assign a value to a variable, Scope of variable, Using Operators, Control Statements, JavaScript loops, JavaScript Functions: Defining a Function, Returning a value from function, User define function.	08	25
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Reference Books:

1. Internet and Web Design Based on DOEACC III Revised syllabus ‘O’ Level - Mac Millan India Ltd
2. Teach Yourself HTML 4 in 24 Hours by Dick Oliver (Tech media) 4th edition
3. The Complete Reference JavaScript by Thomas Powell & Fritz Schneider 2nd Edition
4. Web Technology, Moseley and Savaliya, Wiley India
5. HTML and CSS By Dick Oliver and Michael Morrison (Pearson Education) 7th edition
6. HTML, DHTML, JavaScript, Perl CGI By Ivan Bayross(BPB) 3rd Edition
7. CSS By Kynn Bartlett(Pearson Education) 2nd Edition
8. Introduction to Internet & HTML Scripting By Bhaumik Shroff Books India Publication 3rd Edition

Course Outcomes:

After learning the course, the students should be able to:

1. Understand the basic structure of the internet and the use of web technologies in various fields
2. Use the various HTML tags with appropriate styles to display the various types of content effectively
3. Develop the website using HTML, CSS and JavaScript applying web design principles to make interactive pages
4. Write the client-side scripts for designing static web pages for web-based applications