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

Level: Post Graduate

Branch: Information Technology

Subject Code: 2BS105

Subject Name: Introduction to Web Designing

w. e. f. Academic Year:	2025-2026
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	Describe basic concepts of the Web and Internet.
02	Explore concepts of web design and publishing.
03	Create and publish web pages using basic HTML tags and elements.
04	Develop HTML content with forms, tables, inputs, and background styles.
05	Enhance web pages using advanced HTML features.
06	Format web pages using CSS with style rules and classes.

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 to 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. Introduction to Internet 1.2.2. Computer Networks 1.2.3. URL 1.2.4. Internet Service Provider 1.2.5. Virtual Private Network	**4**	15
2	**Web Designing Fundamentals** 2.1 Concepts of effective web design 2.2 Bandwidth and Cache 2.3 Display resolution 2.4 Website Page Layout 2.5 User-centric design 2.6 Sitemap 2.7 Planning and publishing website 2.8 Designing effective navigation	**4**	15

3	**Introduction to HTML** 3.1 Introduction to HTML 3.2 Create a Web page 3.3 HTML Document Structure 3.4 HTML Elements and Tags 3.5 Working with Links 3.6 Text Formatting in HTML 3.7 Lists in HTML 3.8 Custom Backgrounds and Colors 3.9 Publishing HTML Pages	**7**	20
4	**Table and Forms in HTML** 4.1 Tables in HTML 4.1.1 Table Structure 4.1.2 Headings 4.1.3 Multi-row and Multi-column 4.2 Forms and Input Elements	4	15
5	**Advance HTML** 5.1 Image Upload 5.2 Custom Image Background 5.3 HTML Multimedia 5.4 Web Page Graphics 5.6 Animated Graphics	4	15
6	**Cascading Style Sheet** 6.1 Defining Style with HTML Tags 6.2 Features 6.3 Properties 6.4 Classes 6.5 Internal, External and Inline Style Sheet	**7**	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 (as per 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 India Ltd **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

Suggested Course Practical List (This include all the theory topics):

Sr. No.	Name of Practical
1.	Create a web page for a college Fest which includes details like name, date, events, and a contact section.
2.	Design a personal portfolio web page that includes your name, bio, skills, projects, and contact information.
3.	Create a web page for a library that includes sections for book categories, timings, rules, and librarian contact.
4.	Build a registration form for a workshop that includes form fields like name, email, course, phone number, and a submit button.
5.	Design a web page for an exam timetable that uses HTML tables to show the schedule for different days and subjects.
6.	Create a web page to showcase your favorite movie, which adds a poster image, movie description, cast list, and a video trailer (use embed).
7.	Design a web page for a restaurant menu that uses lists to display items under categories like starters, main course, and beverages.
8.	Create a web page to display a resume that includes sections for education, experience, skills, and contact.
9.	Build a travel blog web page that includes travel stories, photos, and links to destinations.
10.	Create a web page for an online store (Static) which shows product names, images, prices, and descriptions using a layout grid.
11.	Design a web page for a music album that includes album cover, list of songs, and an embedded audio player.
12.	Create a web page for a charity or NGO that includes a mission statement, current campaigns, a donation link, and a volunteer form.
13.	Build an HTML page for a college department that adds department overview, faculty list, programs offered, and contact info.
14.	Create a sitemap page using lists that display all the internal links of a website using nested lists.
15.	Design a web page for an exam hall ticket that uses HTML tables to show the schedule for different days and subjects.