

As Per NEP 2020

University of Mumbai



Syllabus for Basket of OE	
Board of Studies in Information Technology	
UG First Year Programme	
Semester	II
Title of Paper	Credits 2/ 4
I. IT_Web Designing (Open Elective)[OE]	2
From the Academic Year	2024-2025

Name of the Course: IT_Web Designing

Sr.No.	Heading	Particulars
1	Description the course:	This course is designed to aim at imparting basic level practical knowledge about Web Designing.
2	Vertical:	Open Elective
3	Type:	Theory
4	Credits:	2 credits (1 credit = 30 Hours of Practical work in a semester)
5	Hours Allotted:	60 Hours
6	Marks Allotted:	50 Marks
7	Course Objectives (CO): 1. To learn how to write well-formed HTML code by understanding the syntax of HTML elements, attributes, and their proper nesting 2. To grasp the significance of using semantic HTML elements to enhance the structure and accessibility of web content. 3. To provide students with a comprehensive understanding of CSS syntax, selectors, properties, and values. 4. To learn advanced CSS techniques for creating responsive web designs that adapt to different screen sizes and devices.	
8	Course Outcomes (OC): 1. Learners will be able to independently create fully functional web pages using HTML. 2. Learners will gain an understanding of the principles of web accessibility and how HTML plays a crucial role in making web content accessible to all users. 3. Learners will have acquired the knowledge and skills necessary to effectively style and layout web pages using CSS. 4. Learners will demonstrate proficiency in creating responsive web designs that adapt seamlessly to different screen sizes and devices.	
9	Module 1: HTML	
	Practical 1: Basic HTML Elements a) Write a code of html webpage which displays your name, college name, and semester. b) Create a basic HTML page to demonstrate use of HTML Elements. c) Create a basic HTML page to demonstrate use of HTML Attributes. Practical 2: Formatting Elements a) Create a basic HTML page to demonstrate use of HTML Headings. b) Write a code for html webpage which displays your name in < h1> tag and also in blue color and < p> tag uses purple background color. c) Use Div and span in a page and color two words with same colors. Practical 3: Text Formatting a) Create a basic HTML page to demonstrate use of HTML Paragraphs. b) Create a basic HTML page to demonstrate use of HTML Text Formatting. c) Write a code for html webpage which displays some text formatting and uses < em> , < i> , < small> , < b> , < strong> , < sup> , < sub> , < ins> ,	

< del> and < mark> tag.

Practical 4: Formatting and Colors

- a) Create a basic HTML page to demonstrate use of HTML Quotation and Citation Elements.
- b) Create a basic HTML page to demonstrate use of HTML Colors.
- c) Write a code for html webpage which displays some background color and text of red color.

Practical 5: Links

- a) Write a code for html web page which displays your name in left, college name in right, and semester in center, your branch in red background color and text size - 50px.
- b) Create a basic HTML page to demonstrate use of HTML Hyperlinks with all attributes.
- c) Write a code for html webpage which redirects to Google page. (using < a> tag).
- d) Create a basic HTML page to demonstrate use of HTML links for creating bookmarks.

Practical 6: Images

- a) Write a code for html webpage which displays the image of Popular Sports Player (using < img> tag).
- b) Create a basic HTML page to demonstrate use of HTML Images with attributes.
- c) Create a basic HTML page to demonstrate use of HTML Favicon.

Practical 7: Tables

- a) Create a basic HTML page to demonstrate use of HTML Tables with borders.
- b) Create a basic HTML page to demonstrate use of HTML Tables with cellpadding and colspan.
- c) Create a basic HTML page to demonstrate use of HTML Tables with Colgroup.

Practical 8: Lists

- a) Create a basic HTML page to demonstrate use of HTML Unordered Lists.
- b) Create a basic HTML page to demonstrate use of HTML Ordered Lists
- c) Create a basic HTML page to demonstrate use of HTML Description Lists.

Practical 9: Layouts

- a) Create a basic HTML page to demonstrate use of HTML Block and Inline Elements.
- b) Create a basic HTML page to demonstrate use of HTML Layout Elements.
- c) Create a basic HTML page to demonstrate use of HTML Entities and Symbol Entities.

Practical 10: HTML Graphics

- a) Create a basic HTML page to demonstrate use of Emojis in HTML.
- b) Create a basic HTML page to demonstrate use of HTML Canvas Graphics.
- c) Create a basic HTML page to demonstrate use of HTML SVG Graphics.

Module 2: HTML and CSS

Practical 1: Multimedia in HTML

- a) Create a basic HTML page to demonstrate use of Audio in HTML.

	b) Create a basic HTML page to demonstrate use of Video in HTML. c) Create a basic HTML page to demonstrate Playing a YouTube Video in HTML. Practical 2: Forms in HTML a) Create a basic HTML page to demonstrate use of Form Elements. b) Create a basic HTML page to demonstrate various Input Types. c) Design a form in html web page which takes all the details of person with basic validation Practical 3: CSS Selector 1 a) Create a webpage to demonstrate use of CSS element Selectors. b) Create a webpage to demonstrate use of CSS id Selectors. c) Create a webpage to demonstrate use of CSS class Selectors Practical 4: CSS Selector and Color a) Create a webpage to demonstrate use of CSS Universal Selectors. b) Create a webpage to demonstrate use of CSS Grouping Selectors. c) Create a webpage to demonstrate use of CSS Colors (RGB, HEX, HSL). Practical 5: CSS Layout Formatting a) Create a webpage to demonstrate use of CSS Backgrounds (Color, Images). b) Create a webpage to demonstrate use of CSS Borders and Border Shorthand. c) Create a webpage to demonstrate use of CSS Margins and Margins collapse Practical 6: Layout Models a) Create a webpage to demonstrate use of CSS Padding. b) Create a webpage to demonstrate use of CSS Box Model. c) Create a webpage to demonstrate use of CSS Outline (Width, Color and Shorthand). Practical 7: CSS Links and Fonts a) Create a webpage to demonstrate use of CSS four links states. b) Create a webpage to demonstrate use of CSS Fonts Families. c) Create a webpage to demonstrate use of CSS Google Fonts. Practical 8: CSS Layout and Navigation a) Create a webpage to demonstrate use of CSS the z-index Property. b) Create a webpage to demonstrate use of CSS Combinators. c) Create a webpage to demonstrate use of CSS Navigation Bar (Vertical and Horizontal). Practical 9: CSS in web Design a) Write a CSS file and attached to any 3-html webpage. b) Write a code for html webpage which displays any popular sports player image as background using CSS. c) Use Class, ID selectors to style various elements of HTML Page. Practical 10: Forms in HTML a) Write a code for html webpage which displays all practical on Border, Margin, Padding of elements. b) Write a code for html webpage which displays all practical on Text/font formatting, width-Height. c) Create a webpage to show full use of CSS Website Layout.
10	Text Books 1 HTML & CSS: The Complete Reference, Fifth Edition, Tata McGraw-Hill

	2 Head First HTML and CSS 2e: A Learner's Guide to Creating Standards-Based Web Pages Paperback 3. HTML and CSS: Design and Build Webs Paperback.	
11	References 1. https://www.w3schools.com/html/default.asp 2. https://www.w3schools.com/css/default.asp 3. HTML and CSS QuickStart Guide, David DuRocher, Paperback 4. Responsive Web Design with HTML5 and CSS, Ben Frain	
12	Internal Continuous Assessment: 40%	Semester End Examination: 60%
13	Continuous Evaluation through: Students are expected to attend each practical and submit the written practical of the previous session. Performing Practical and writeup submission will be continuous internal evaluation. 2.5 marks can be awarded for each practical performance and writeup submission totaling to 50 marks and can be converted to 20 marks.	Semester End Practical Exam of 30 marks
14	Format of Question Paper: Duration 2 hours. Certified copy of Journal is compulsory to appear for the practical examination Practical Slip: Q1. From Module 1 13 marks Q2. From Module 2 12marks Q3. Journal and Viva 05 marks	

Sign of Chairperson
Dr. Mrs. R. Srivaramangai
Ad-hoc BoS (IT)

Sign of the
Offg. Associate Dean
Dr. Madhav R. Rajwade
Faculty of Science &
Technology

Sign of Offg. Dean,
Prof. Shivram S. Garje
Faculty of Science &
Technology