

UNIVERSITY OF MADRAS

B.Sc. DEGREE PROGRAMME IN COMPUTER SCIENCE

SYLLABUS WITH EFFECT FROM 2023-2024

Year: II

Semester: III

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Web Page Design Practical		225S31
Common for B.C.A. , B.Sc.-SA , B.Sc.-CSc , B.Sc.-CSc-wAI , B.Sc.-CSc-wDS		
Credits 1	Lecture Hours:1 per week	
Learning Objectives: (for teachers: what they have to do in the class/lab/field) • To develop the skill & knowledge of Web page design. • Students will understand the knowhow and can function either as an entrepreneur or can take up jobs in the multimedia and Web site development studio and other information technology sectors.		
Course Outcomes: (for students: To know what they are going to learn) CO1: Define the principle of Web page design CO2: Define the basics in web design CO3: Visualize the basic concept of HTML. CO4: Recognize the elements of HTML. CO5: Introduce basics concept of CSS.		

Units	Contents
I	What is HTML? - HTML Documents - Basic structure of an HTML document - Creating an HTML document - Mark up Tags - Heading-Paragraphs - Line Breaks - HTML Tags.
II	Introduction to elements of HTML: Working with Text - Working with Lists, Tables and Frames - Working with Hyperlinks, Images and Multimedia - Working with Forms and controls.
III	Concept of CSS: Creating Style Sheet - CSS Properties - CSS Styling(Background, Text Format, Controlling Fonts) - Working with block elements and objects - Working with Lists and Tables - CSS Id and Class - Box Model(Introduction, Border properties, Padding - Properties, Margin properties) -
IV	CSS Advanced (Grouping, Dimension, Display,Positioning, Floating, Align,Pseudo class, Navigation Bar,Image Sprites, Attribute sector)- CSS Color- Creating page Layout and Site Designs
V	Introduction to Web Graphics: Creating a Web Photo Album - Creating a Button-Creating a Web Page Banner

Learning Resources:

Text Books

- Kogent Learning, Solutions Inc., HTML 5 in simple steps Dreamtech Press
- A beginner's guide to HTML NCSA,14th May,2003
- Murray,Tom/Lynchburg Creating a Web Page and Web Site College,2002

Reference Books

- Web Designing & Architecture-Educational Technology Centre, University of Buffalo
- Steven M. Schafer HTML, XHTML, and CSS Bible, 5ed Wiley India
- John Duckett Beginning HTML, XHTML, CSS, andJavaScript, Wiley India