CDM-03T: Web Designing and Development

Total Marks: 100
External Marks: 70
Internal Marks: 30
Credits: 4
Pass Percentage: 40%

Course: Web Designing and Development	
Course Code: CDM-03T	
Course Outcomes (COs) After the completion of this course, the students will be able to:	
CO1	Understand the fundamental concepts of web design and development, including web architecture, client-server model, and internet technologies.
CO2	Design responsive and user-friendly web pages using HTML, CSS, and basic UI/UX principles.
CO3	Develop interactive web applications using scripting languages such as JavaScript.
CO4	Apply front-end and basic back-end technologies to build functional and dynamic websites.
CO5	Evaluate and deploy web applications by ensuring usability, accessibility, performance, and cross-browser compatibility.

Detailed Contents:

Module	Module Name	Module Contents
Module I	**Introduction to HTML**	Introduction to HTML: Basic concepts and overview of HTML markup. Web design, Process of Web designing and publishing, Implementation, Web site development phases, Role of HTML in Web.
Module II	**Layout**	Layout: Backgrounds, Colors, and Text; design requirements; HTML approach to Web design; fonts; colors in HTML; document-wide color attributes for ; and background images.
Module III	**Style Sheet**	Style Sheets: Basics, properties and positioning of style sheet. HTML Forms: Preliminaries, controls and the element.
Module IV	**Structure of HTML**	Structure of HTML documents, document types, various elements of HTML. Links, Addressing and Images: Linking basics, URL, linking in HTML, anchor attributes images and anchors, image maps, semantic linking with the element, meta-information; HTML image basics; images as buttons; and image maps.

Books

1. HTML and CSS: Design and Build Websites – by Jon Duckett
2. JavaScript and JQuery: Interactive Front-End Web Development – by Jon Duckett
3. Learning PHP, MySQL & JavaScript – by Robin Nixon