Shastri II Year-III Semester

AEEC–2

Course Name: WEB DESIGNING WITH HTML, CSS, AND XML

Objective: The objectives of this course are to provide students with a solid understanding of HTML, CSS, and XML, enabling them to create well-structured and visually appealing websites.

Learning Outcomes: Upon completion of this course, students will demonstrate proficiency in crafting well-structured websites using HTML, CSS, and XML.

Theory	:60Marks	
Internal Assessment	:40 Marks	

Unit	Topic	Hours	Credits (2)
1	**Introduction to Web Development:** Internet, WWW, Browser, Search engine, Client-Server Model, URL, Web Pages, Website and Web Services, Types of Websites (Static, Dynamic, and Responsive) **HTML:** Basics- HTML Document, Basic Structure of HTML, Syntax, HTML Tags and Attributes, Types of HTML Tags, Basic Tags (HTML Tag, Head Tag, Title Tag, Body Tags). **Page Formatting:** Adding a new Paragraph, adding a line break, inserting a blank space, changing page background, Div and Span tags **Text Formatting:** HTML headings, Formatting elements (Bold, Underline, Italic) text, emphasized text, Comments, Horizontal Lines **Creating Lists:** Ordered Lists, Unordered Lists, Definition Lists **Others:** Images, Hyperlink, and their types, Introduction to Table Tags, HTML Forms	15	01 Credit
2	Style sheets: Introduction, Benefits of CSS, CSS Syntax, CSS Implementation (inline, internal and external), CSS Selectors (ID Selectors, Class Selectors, Grouping Selectors, Universal Selectors, CSS Pseudo-classes), CSS properties (background-color, background-image, border-style, height, width, color, text-align, font-family, font-style, font-size, font-weight), Box Model in CSS (margin, border, padding) XML(Extensible Markup Language): Introduction to XML, Understanding XML syntax and structure, Overview of XML applications and use cases, XML Document Structure: Elements, attributes, and values, Nesting and hierarchy in XML documents. XML Validation: Document Type Definition (DTD), XML Schema Definition (XSD), Validating XML documents against schemas	15	01 Credit

Reference Books-

1. Head First HTML and CSS: A Learner's Guide to Creating Standards-Based Web Pages, O Reilly Publications by Elisabeth Robson Eric Freeman.
2. Web design with HTML and CSS, Prem Kumar, Motion Press.