DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
SYLLABUS FOR B.E VI SEMESTER

Introduction to Web Design (open elective-VI)
(for other Branches)

Instruction: 1Hr /week	SEE Marks :50	Course Code :OE630CS
Credits :1	CIE Marks: 30	Duration of SEE : 2Hrs

Course objectives	Course outcomes
Students should be able to	At the end of the course, Students will be able to
• Design a website using HTML, CSS and JavaScript	1. Design webpages using HTML 2. Apply styles to webpages using CSS 3. Apply JavaScript to generate dynamic content in webpages 4. Explain XML structure and schemas

Unit-I
Web Basics and overview: Introduction to Internet, World Wide Web, Web Browsers, Web Servers, URL, MIME, HTTP, Web Programmer's Tool Box, Introduction to HTML – Text Formatting, Lists, Tables, Forms, Hypertext Links, Cascading Style Sheets-Style Specification Formats, Selector Formats, Property Value Forms, Font Properties, List Properties, Alignment of Text, Background Images, Borders, div and span tags.

Unit-II
Basics of JavaScript, Object Orientation and JavaScript, Primitives, Operations, Expressions, Control Statements, Object Creation, Arrays, Functions- Introduction, Program Modules in JavaScript, Programmer-Defined Functions, Function Definitions, Random-Number Generation, Scope Rules, JavaScript Global Functions, Recursion, Constructors, Regular Expressions, DOM Model, Events, Event Handling in JavaScript, JavaScript objects. Introduction to XML, XML Document Structure, Namespaces and Schemas.

Suggested Books:
1. Robert W. Sebesta, "Programming the World Wide Web", Pearson Education.(3rd)
2. Uttam K.Roy, "Web Technologies", Oxford publishers

Online Resources:
1.   www.w3schools.com