



CSOE-003: Web Development

Course Objectives:

- To learn HTML tags and JavaScript Language programming concepts and techniques.
- To develop the ability to logically plan and develop web pages.
- To learn to write, test, and debug web pages using HTML and JavaScript.

Credits: 03

L-T-P-J: 3-0-0-0

Unit-1:

8 Hours

Introduction to HTTP, HTML, Basic HTML Tags, Body Tags, Coding Style, Modifying & formatting Text, Lists – Unordered, Ordered, Definition, Insert Links -Linking to another Document, Internal Links, Email Links, Relative and Absolute Links, Insert Images - Referencing Images, Clickable Images, Image Placement and Alignment, Image Size, Image Margins, Image Formats, Image Maps Defining an Image Map, Advanced Coloring Body Content, Working with tables - Basic Tables, Table Attributes, Table Cell Attributes, Table Row Attributes, Tables Inside of Tables, Invisible Spacers, Working with Frame-Based Pages- Creating Windows, Single Window Frames, Creating Column Frames, Creating Row Frames, Creating Complex Frames.

Unit-2:

8 Hours

Cascading Style Sheet (CSS) – Introduction, creating style, using inline and external CSS, Creating Div's with ID style, Creating Tag & Class style, creating borders, Navigation links, creating effects with CSS.

JavaScript – Introduction, use of JavaScript in webpages. Understand JavaScript event model, use some basic event and control webpage behavior.

Unit-3:

8 Hours

HTML Editor - Introduction to WYSIWYG HTML editor, advantages of using HTML editors, Creating a New Site, Creating a New Page, Adding Images with Alternate Text, Inserting & Formatting Text, Aligning Images, Creating an Email Link, Linking to Other Websites, Testing & Targeting Links, Organizing Files & Folders

Creating & Inserting Images - Optimizing Images for the Web, Saving GIFs & PNGs in Photoshop, Inserting GIFs, Adjusting Transparency Settings, Saving JPGs for the Web.

Unit-4:

8 Hours

Designing Accessible Tables - Understanding Tables & Accessibility, Using Tables for Tabular Data, styling a Table, Editing Table Layouts, Adding Style to a Table Using CSS.

Creating Websites With Frames - Introducing Frames, creating a Frameset, Opening Pages into Frames, Controlling Scrollbars & Borders, Targeting Links in Frames **CUSTOMIZING THE INTERFACE** - Opening an Existing Site, Reviewing Menu Options & Preferences, Comparing the Macintosh & PC Interfaces, Previewing in Browsers & Device Central.

Introduction to Responsive Web Designing – Introduction, advantages, creating and using responsive web pages.



Unit-5:

8 Hours

Web Hosting - What is Domain? Introduction to DNS, how to register a Domain? What is webhosting? How to get a web hosting? Host your website on web Server. FTP - FTP Introduction, FTP Commands Viewing Files and Directories, FTP Commands Transfer and Rename files, FTP with WSFTP/ CuteFTP, Filezilla on Windows.

Referential Books:

- Internet & Web Development, Soma Das Gupta, Khanna Publishing House
- Web Designing and Development, Tanweer Alam, Khanna Publishing House

Course Outcome:

- Be able to use the HTML programming language.
- Resolves written HTML codes.
- Runs the page he/she has designed using HTML codes.
- Be able to use the Design Programs.