

WEB PROGRAMMING (GE Inter-disciplinary)

Credits : 2
Course Code : G23CSCC1T
Hours: 30

Semester: III
No. of Lecture

Objectives:

- Support the development of web pages
- Effectively incorporate JavaScript in a web page

Course Outcomes:

CO1: Understand HTML tags and JavaScript Language programming concepts and techniques.

CO2: To develop the ability to logically plan and develop web pages.

CO3: To learn to write, test, and debug web pages using HTML and JavaScript.

CO4: To develop web pages using the HTML and CSS features with different layouts as per need of applications

CO5: Use the JavaScript to develop the dynamic web pages.

UNIT – I

6HRS

1. Introduction to internet, www, web browsers, web servers and URLs 1
2. Introduction and Features of HTML, Structure of HTML 1
3. Header tags, basic text formatting tags, Text Styles 2
4. List definition and Types of Lists , Working with Images 2

UNIT – II

6HRS

1. Working with tables and hyperlinks
(Internal and External links, images as hyperlinks) Marquee Tag, 2
2. Working with Forms and Interactive Elements 2
3. Working with Frames(Vertical & Horizontal frames, Named frames) 2

UNIT– III

6HRS

1. Overview of CSS, External, Internal and Inline Style sheets, 1
2. Selector Forms – Simple Selector Forms, Class Selectors, generic Selectors, id selectors, universal selectors and pseudo classes 2
3. Property Value forms – Font Properties, List Properties, Color, Alignment of text, Background images 2
4. DIV and SPAN tags 1

UNIT– IV

6HRS

1. JavaScript-Overview, Features, Object Orientation & Java Script, General Syntactic Characteristics 1
2. Primitives, Variables, Operators and Expressions 2
3. Control Statements – if and types of if, switch-case, while, do-while and for loops 2
4. Arrays 1

UNIT – V

6HRS

- | | |
|---|---|
| 1. Functions, Recursive Function | 2 |
| 2. Events in JavaScript, Handling events from Body Elements, from Button Elements, from Textbox and Password Elements | 2 |
| 3. DOM, Element access in Java Script | 2 |

ESSENTIAL READINGS

1. **Sebasta W. Robert, Programming the Worls Wide Web.** 4th Edition Pearson Publications.

SUGGESTED READINGS

Deitel H.M. **Internet & World Wide Web, How to Program.** 4th Edition Pearson Publications