

Objective(s)

After completing the course the student shall be able to understand Internet and its uses, Focus on hypertext mark-up language (HTML) and cascading style sheet (CSS) implementation, Understand relationship of HTML, CSS & JavaScript, Create cascading style sheets (CSS) for device and browser integration, Investigate client-side scripting uses, to familiarize with the coding process including syntax, best practices, and the idea of “code once, re-use many times”.

UNIT I**Introduction to Internet**

Define: Internet & Intranet, Internet Applications & Services, ISP, Internet Connection Types, IP Address, Domain Name, URL, WWW, Web page, Web Site, Web browser, Web Server, Web Searching.

UNIT II**HTML**

Introduction to HTML, Html Document Structure, HTML tags: Document Tags, Text Formatting Tags, Linking tags, Line Breaking Tags, Image and Image Mapping Tags, List creation tags, Table tags, Frame tags, and Form elements tag.

UNIT III**CSS (Cascading Style Sheet)**

Introduction of Style sheet, Types of Style sheet, Class & ID, CSS Font Property, CSS Text Property, CSS Background Property, CSS Border Property, CSS Margin Property

UNIT IV**Java Script part -1**

Introduction to JavaScript, Operators, Conditional Structure & Looping Structures, Dialog Boxes, Arrays User Define Function, Built-in Functions of String, Date, Math, Array

UNIT V**Java Script part -2**

Document Object, History Object, Window Object, Navigator Object, Form Object & Elements Events: onclick, ondblclick, onblur, onfocus, onchange, onkeypress, onkeydown, onkeyup, onMousemove, onMouseout, onsubmit, onreset, onselect, onload, onunload, timer event

Practical(s)

1. Web page design using Document Tags, Text Formatting Tags, Image tags, Line Breaking Tags

2. Web page design using HTML List creation tags, Table tags, Frame tags
3. Web form design using HTML Form elements tag.
4. Web page design using CSS Font Property, CSS Text Property
5. Web page design using CSS Background Property, CSS Border Property, CSS Margin Property
6. Write simple JavaScript using variable, conditional and looping statements.
7. Write a JavaScript using Form Element such as Textbox, button,
8. Write a JavaScript using Form Element such as radio, checkbox and select.
9. Write a JavaScript to check all compulsory fields are fill or not before form submission.
10. Write a JavaScript using Document Object, History Object, Window Object, Navigator Object

Reference Book(s)

1. HTML DHTML JavaScript and Perl CGI By Ivan Bayross
2. Pure JavaScript By Jason Gilliam, Charlton Ting, R. Allen Wyke
3. Sams Teach Yourself Web Publishing with HTML and CSS By Laura Lemay, Rafe Colburn