CSE326:INTERNET PROGRAMMING LABORATORY

L:0   T:0   P:3   Credits:2

Course Outcomes: Through this course students should be able to

CO1 :: identify HTML document structure, work with basic elements, and utilize different types of tags to create well-structured web pages.

CO2 :: apply text, create links, embed multimedia, and work with images to enhance the visual and interactive aspects of web pages.

CO3 :: cultivate CSS selectors, properties, and the box model on different HTML elements to effectively construct a web page

CO4 :: construct and style tables, implement form controls, and apply CSS to enhance the layout and functionality of web forms.

CO5 :: develop interactive web applications by incorporating JavaScript code for variable manipulation, control statements, looping, popup boxes, object manipulation, and form validation.

CO6 :: manipulate and interact with web page elements dynamically using JavaScript DOM methods and properties.

Unit I

Exposure To HTML : HTML document structure, Working with HTML basic elements like title, head, body, Working with Root and Metadata, Horizontal Rules and line breaks and paragraph, working with citation, quotation, definitions and comments, Types of Tags in HTML

Unit II

Working with Text, Links, Images and Tables in HTML : Formatting text with HTML physical style elements, Formatting text with HTML logical style elements, Arranging text, Exploring the Hyperlinks and linking to a mail system, Exploring the link relations, Working with images in a web page, Displaying Plain, Bold, Italic, Small, Subscripted, Superscripted text, Displaying Program Code, Program Output, Keyboard text, Emphasizing text, Defining New Terms, Short and long Quotations, Creating Links with anchor tag

Unit III

Cascading Style Sheets : CSS rules like link and style, types of CSS, CSS properties like text controlling and text formatting, CSS selectors like type, id, class, Introduction To CSS and types of CSS, Introduction To CSS, Inline CSS, internal CSS and external CSS, CSS Box Model- Padding, Margin, Border, Div and Span Tag in CSS, Working with background Images

Unit IV

Working with Tables : Working With Tables-Colspan and Rowspan, applying css on tables, creating hoverable tables

Working with Forms : Working with Forms- action attribute, get and post methods, Form Elements and Controls Like Text Inputs, TextArea, Buttons, CheckBoxes, Dropdown Boxes, Radio Buttons, Select and File Select, applying css on all controls of forms

CSS Grids and Webpage Layouts : Grid introduction, Grid container, Grid Item, Creating different layouts for webpage

Unit V

JavaScript Application Development : Incorporating JavaScript in the HEAD and BODY element, Using an External JavaScript file, Using variables and operators, Using control statements such as if...else, switch, break and continue, Using looping statements such as while, do...while, for, Using Popup boxes such as Alert, Confirm, and Prompt, Working with JavaScript Objects,Properties and Methods

JavaScript Functions,Events and Validation : Working with Functions-Using function arguments and return statement, Working with JavaScript Events like Form Based, Keyboard Based and Mouse Based, JavaScript Form Validation

Unit VI

Javascript DOM : DOM introduction, DOM methods, DOM document, DOM elements, DOM HTML, DOM CSS, DOM Events

Text Books:

1. MASTERING HTML, CSS & JAVA SCRIPT WEB PUBLISHING by LAURA LE MAY, RAFE COLBURN, JENNIFER KYRNIN, BPB PUBLICATIONS

References:

References: 1. HTML 5 BLACK BOOK by DT EDITORIAL SERVICES, DREAMTECH PRESS