

## CSE326:INTERNET PROGRAMMING LABORATORY

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

**Course Outcomes:** Through this course students should be able to

CO1 :: understand the structure and semantics of HTML5 to create well-formed web pages.

CO2 :: apply HTML elements to build pages with links, images, and embedded media to design user-friendly and content-rich websites.

CO3 :: create responsive layouts using CSS, including Flexbox and Grid.

CO4 :: construct and style tables, implementing forms controls and apply css to enhance the layout and functionality of web forms

CO5 :: apply JavaScript to add logic, control flow, and interactivity to web pages

CO6 :: manipulate the DOM and handle events for dynamic content updates and validation.

### Unit I

**Fundamentals of HTML** : Introduction to Web Technologies and HTML, Structure of an HTML Document, Root and Metadata Elements, Basic Tags: Headings, Paragraphs, Line Breaks, Horizontal Rules, Text Formatting in HTML, strong, em, mark, small, abbr, cite, dfn, Quotations and Comments, Types of HTML Tags: Paired and Unpaired, Block-level vs Inline elements

### Unit II

**Expanding HTML Knowledge** : Working with Lists: Ordered, Unordered, Definition Lists, Hyperlinks, Inserting Images, Embedding Media, HTML Favicon, HTML Div, HTML Text Formatting, Working With Tables-Colsan and Rowspan, 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

### Unit III

**Introduction to Cascading Style Sheets** : CSS rules like link and style, CSS properties like text controlling and text formatting, CSS selectors like type, id, class, Introduction To CSS and types of CSS, Inline CSS, Internal CSS, External CSS, CSS Box Model- Padding, Margin, Border, Div and Span Tag in CSS, Working with background Images, Fonts & Typography: font-family, font-size, line-height, font-weight, text-align, applying css on tables, creating hoverable tables, applying css on all controls of forms

### Unit IV

**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, Variables: var, let, const

### Unit V

**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, RAFFAEL COLBURN, JENNIFER KYRNIN, BPB PUBLICATIONS

### References:

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

