

# CSE326:INTERNET PROGRAMMING LABORATORY

L:0 T:0 P:2 Credits:1

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

- Understand the principles of creating an effective web page, including an in-depth consideration of information architecture.
- Design a web page using HTML and CSS.
- Develop responsive web pages with the help of CSS and Javascript.
- Demonstrate the JavaScript functions and events
- Create Web sites using text, images, links, lists, and tables for navigation and layout

## Unit I

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

**Working with Text, Links, Images , URLS, Multimedia and Interactive in HTML :** Formatting text with HTML physical style elements, Formatting text with HTML logical style elements, Creating links with anchor tag, Multimedia- audio,video tags and attributes like controls, autoplay and loop, Working with images in a web page

## Unit II

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

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

## Unit III

**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 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

## 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. HTML 5 COVERS CSS3, JAVASCRIPT,XML,XHTML,AJAX by KOGENT LEARNING, DREAMTECH PRESS

## References:

1. WEB ENABLED COMMERCIAL APPLICATION DEVELOPMENT USING HTML, DHTML,JAVASCRIPT, DHTML AND PHP by IVAN BAYROSS, BPB PUBLICATIONS
2. BEGINNING HTML, XHTML, CSS AND JAVASCRIPT by JON DICKETT, WILEY