CSE326:INTERNET PROGRAMMING LABORATORY

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

Course Outcomes: Through this course students should be able to

CO1 :: understand the principles of creating an effective web page, including an in-depth consideration of information architecture.

CO2 :: develop a web page using HTML and CSS.

CO3 :: develop responsive web pages with the help of CSS and Javascript.

CO4 :: demonstrate the JavaScript functions and events.

CO5 :: construct websites using text, images, links, lists, and tables for navigation and layout.

List of Practicals / Experiments:

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

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

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

JavaScript Application Development

- Incorporating JavaScript in the HEAD andBODY element, Using an External JavaScript file, Using variables and operators
- Usingcontrol statements such as if...else, switch, break and continue, Using loopingstatements 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

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