Syllabus – Post Graduate Programmes

WEB DESIGNING

Goals

By the end of this course, the student should be able to build valid web pages in HTML/XHTML, have a working knowledge of Cascading Style Sheets (CSS) and XML basics.

Objectives

- Learn how to design and develop a Web page using HTML and XHTML.
- Learn how to link pages so that they create a Web site.
- Design and develop a Web site using text, images, links, lists, and tables for navigation and layout.
- Style your page using CSS, internal style sheets, and external style sheets.
- Learn how to design and develop a Web page using XML

Level I – First Year

Fundamentals of Web, Internet, WWW, Web Browsers, and Web Servers; URLs, Markup Language, HTML Editors, Introduction to HTML, HTML Documents, Basic structure of an HTML document, Creating an HTML document, Mark up Tags, Heading-Paragraphs, Line Breaks, HTML Tags. Introduction to elements of HTML, Working with Text, Working with Lists, Tables and Frames, Working with Hyperlinks, Images and Working with Forms and controls.
XHTML, XHTML; Basic syntax; StandardXHTML document structure, differences between HTML and XHTML.

Level II – Second Year

Introduction to Cascading Style Sheets - The Advantages of Using Style Sheets –The Downside of Style Sheets -The Anatomy of a Style - Setting up Style Sheets - Creating an Internal Style Sheet -Creating an External Style Sheet - Using an External Style Sheet –Applying Styles Locally - Defining Styles for Classes - Identifying Particular Tags -Creating Custom HTML Tags - Creating Custom Block-Level HTML Tags Using Custom Block-Level HTMLTags - Creating Custom Inline HTML Tags - Using Custom Inline HTML Tags Defining Styles for Links - Formatting Text with Styles

Problems with HTML, XML Introduction; XML Document tree structure; Syntax; difference between XML and HTML ,Document Type definitions; Adding a comment ; Defining the root element; empty XML elements; XML attributes, XML element naming rules, XML schemas; Displaying raw XML documents; Displaying XML documents with CSS

List of experiments:

1. Create a static webpage using table tags of HTML
2. Create a static web page which defines all text formatting tags of HTML in tabular format
3. Create webpage using list tags of HTML
4. Create webpage to include image using HTML tag
5. Create employee registration webpage using HTML form objects
6. Apply style sheet in Web page. [inline, embedded and linked]
7. A Program to illustrate comment,h1….h6, and div tag
8. A Program to illustrate text formatting tags
9. A Program to illustrate Hyper Link tag (Anchor tag)
10. A Program to illustrate CSS (cascading style sheet)
11. Create a static webpage using table tags of XHTML

References

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5. Sebesta RW. Programming the world wide web. Pearson Education India; 2013.
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7. 2Bates C. WEB PROGRAMMING: BUILDING INTERNET APPLICATIONS. John Wiley
8. HTML 4 for the World Wide Web: Visual QuickStart Guide -Publisher: Peachpit Press & Sons; 2007 Jun 1.