

PROGRAMMING THE WEB

Written by Administrator
Sunday, 08 November 2009 11:38 -

Subject Code

: **06CS73**

IA Marks

: 25

No. of Lecture Hours/Week

: 04

Exam Hours

: 03

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Total No. of Lecture Hours

: 52

Exam Marks

: 100

PART - A

Unit - 1

Fundamentals of Web, XHTML – 1: Internet, WWW, Web Browsers, and Web Servers; URLs; MIME; HTTP; Security; The Web Programmers Toolbox.

XHTML: Origins and evolution of HTML and XHTML; Basic syntax; Standard XHTML document structure; Basic text markup.

6 Hours

UNIT - 2

XHTML – 2: Images; Hypertext Links; Lists; Tables; Forms; Frames; Syntactic differences between HTML and XHTML.

6 Hours

Unit - 3

CSS: Introduction; Levels of style sheets; Style specification formats; Selector forms; Property value forms; Font properties; List properties; Color; Alignment of text; The Box model; Background images; The `display` and `float` tags; Conflict resolution.

6 Hours

Unit - 4

Javascript: `<script>` Overview of JavaScript; Object orientation and JavaScript; General syntactic characteristics; Primitives, operations, and expressions; Screen output and keyboard input; Control statements; Object creation and modification; Arrays; Functions; Constructor; Pattern matching using regular expressions; Errors in scripts; Examples.

8 Hours

PART - B

Unit - 5

Javascript and HTML Documents: The Javascript execution environment; The Document Object Model; Element access in Javascript; Events and event handling; Handling events from the Body elements, Button elements, Text box and Password elements; The DOM 2 event model; The navigator object; DOM tree traversal and modification.

6 Hours

Unit - 6

Dynamic Documents with Javascript: Introduction to dynamic documents; Positioning elements; Moving elements; Element visibility; Changing colors and fonts; Dynamic content; Stacking elements; Locating the mouse cursor; Reacting to a mouse click; Slow movement of elements; Dragging and dropping elements.

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8 Hours

Text Book:

1. **Programming the World Wide Web** - Robert W. Sebesta, 4th Edition, Pearson Education, 2008.

Reference Books:

1. **Internet & World Wide Web How to program** - M. Deitel, P.J. Deitel, A. B. Goldberg, 3rd Edition, Pearson Education / PHI, 2004.

2. **Web Programming Building Internet Applications** - Chris Bates, 3rd Edition, Wiley India, 2006.

3. **The Web Warrior Guide to Web Programming** - Xue Bai et al, Thomson, 2003.