



Course Title : Web Technologies			
Course Code: P18CSO653	Semester : 6	L:T:P - 3 : 0 : 0	Credits: 3
Contact Period : Lecture :52 Hr, Exam: 3Hr		Weightage :CIE:50% SEE:50%	

Course Content

Unit-1

Fundamentals of Web: Internet, WWW, Web Browsers and Web Servers, URLs, MIME, HTTP, Security, the Web Programmers Toolbox.

Introduction to HTML/XHTML: Origins and evolution of HTML and XHTML, Basic syntax, Standard XHTML document structure, Basic text markup, Images, Hypertext Links.

Self-study components: security, The Web Programmers Toolbox

10 Hours

Unit-2

Lists, Tables, Forms, Frames, Syntactic differences between HTML and XHTML.

Cascading Style Sheets: Introduction, Levels of style sheets, Style specification formats, Selector forms, Property value forms, Font properties, List properties, Colour, Alignment of text, The Box model, Background images, The and <div> tags.

Self-study components: Frames

10 Hours

Unit- 3

The Basics of JavaScript: 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.

Self-study components: Pattern matching using regular expressions, Errors in scripts.

10 Hours

Unit-4

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

Dynamic Documents With JavaScript: Introduction to dynamic documents; Positioning elements; Moving elements; Element visibility; Changing colours and fonts; Dynamic content; Stacking elements; Locating the mouse cursor; Reacting to a mouse click; Self-study components: Slow movement of elements; Dragging and dropping elements.

12 Hours

Unit-5

PHP: Origins and uses of PHP, Overview of PHP, General syntactic characteristics, Primitives, Operations and expressions, Output, Control statements, Arrays, Functions, Pattern matching, Form Handling, Files.

Self-study components: Cookies, Session tracking

10 Hours

Text Book:

1. Programming the World Wide Web –Robert W. Sebesta, 8th Ed., Pearson Ed., 2015.

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.

Course Outcomes

1. Develop web pages using various XHTML tags.
2. Design effective web pages using various style properties.
3. Design interactive web pages using java script.
4. Create dynamic documents using DOM object model.
5. Implement web pages using PHP scripts.

CO-PO Mapping

Semester: 6		Course code : P18CSO653										Title : Web Technologies			
CO	Statement	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PS O1	PS O2
CO1	Develop web pages using various XHTML tags.	2	2	2									1		
CO2	Design effective web pages using various style properties	2	2	2									1		
CO3	Design interactive web pages using java script.	2	1	1									1		1
CO4	Create dynamic documents using DOM object model	2	1	1								1	1		1
CO5	Implement web pages using PHP scripts.	2	1	1								1	1		1
		2.0	1.4	1.4								1.0	1.0		1.0