

Paper Code: BCADSC 2.4	Paper Title: Web Programming	Teaching Hours: 5 Hrs / Week
Total Teaching Hours: 60Hrs	Marks: Th-80+IA-20	Credits: 3

Unit I: Fundamentals of Web

Internet, WWW, Web Browsers, and Web Servers, URLs, MIME,HTTP, XHTML- Basic Syntax, Standard structure, Basic text markup, Images, Hypertext, Links, Lists, Tables, Forms- <form>,<input>,<label>,<select>,<textarea> tags and action buttons(submit and reset). **12 Hrs**

Unit II: CSS

CSS- Introduction, Levels of style sheets, Selector forms, Property value forms, Font properties, List properties, Color, Alignment of text, The box model, Background images, The and <div>tags. **12 Hrs**

Unit III: Basics of Javascript

Overview of Javascript, Object Oriented and javascript, General Syntactic characteristics, Primitives, operations and expressions, Screen output and keyboard input, Control statements, Object creation and modification. **12 Hrs**

Unit IV: Javascript Concepts and XHTML Documents

Arrays, Functions, Constructor ,Element access in javascript, Event and event Handling , Handling events from body elements, Handling events from button elements, Handling events from Textbox and password elements. **12 Hrs**

Unit V: Introduction to XML

Introduction, Syntax of XML , XML document structure, Displaying raw XML documents, Displaying XML documents with CSS,XSLT Stylesheets and Displaying XML documents with XSLT. **12 Hrs**

References:

1. Robert W. Sebestra, "Programming the World Wide Web", 7th Edition /4th edition Addison Wesley Publication,2013.

Additional Reading:

1. Chris Bates, "Web Programming: Building Internet Applications", 3rd Edition Wiley 2009
2. Eric Freeman, "Head First HTML with CSS and XHTML", O'Reilly,2006.
3. S S Gornale&Basavanna M, ""Web Programming for Beginners", ISBN: 978-93-5213-363-5, Shroff Publisher & Distributors PVT Ltd, Mumbai-2016
4. David Flanagan, "JavaScript, The Definitive Guide", 6th Edition, O'Reilly2011.
5. Internet & World Wide Web – How to Program – Deitel&Deitel – Fourth edition