**Course Code: TBC 501 L T P C  
Course Name: Web Technology 3 1 0 4**

**UNIT 1: 9 Hours**

**History of the Internet** and World Wide Web, Gopher, HTML protocols– HTTP, SMTP, POP3, MIME, IMAP. FTP, Telnet, Web Browsers, Web Applications, Load Balancing and Application server, Web security**,** Net Surfing, Search Engines, Email, ISP, URL address, DNS, hypertext concept, Tier technology, 2-tier and n-tier.

**UNIT 2: 9 Hours**

Concepts, Static and dynamic HTML, Structure of HTML documents, HTML Elements, Linking in HTML, Anchor Attributes, Image Maps, Meta Information, Image Preliminaries, Layouts, Backgrounds, Colors and Text, Fonts, Tables, Audio and Video Support with HTML.

**Basic Interactivity and HTML:** Interactive Layout with Frames, FORMS, Form Control, New and emerging Form Elements.

Style sheet - Cascading Style Sheets: Introduction to Cascading Style Sheet (CSS), three ways of introducing the style sheets to your document. Basic Syntax; Creating and saving cascading style sheets. <STYLE> tag, use of <div>&<span>,box model concept, simple floating,float layout, float tricks, type basics, column layout, column fonts

**UNIT 3: 9Hours**Overview of Javascript, Object orientation and Javascript, JavaScript identifiers, operators, control & Looping structure, Intro of Array, Array with methods, Math, String, Date Objects with methods User defined & Predefined functions, DOM objects, Window Navigator, History, Location, Event handling, Validations on Forms,Regular Expressions

**UNIT 4: 9 Hours**

**XML**: Introduction, Displaying an XML Document, Data Interchange with an XML document, Document type definitions.

**UNIT 5: 9 Hours**

**Introduction to PHP/MySQL:**A First PHP Web Page, Variables, Operators and Expressions, Control Statements, Functions, Arrays, String Handling in PHP, Using Ms-Access/MySQL Databases in PHP Pages

**Text Books:**

1. C Xavier, "Web Technology & Design", New Age International.

**Reference Books:**

1. Ramesh Bangia, "Web Technology", Laxmi Publications Pvt Ltd.
2. V.S. Jeure P.S. Gotmare, "Web Technology", Technical Publications.
3. Ramesh Bangia, "Web Technology (including HTML,CSS,XML,ASP,JAVA)", Firewall Media.