

**MCA (com )Sem-IV**  
**404: Web Technologies**

**Course Objectives:**

This course enables students to understand web page site planning, management and maintenance. The course explains the concepts of developing advanced HTML pages with the help of frames, scripting languages, and evolving technologies like DHTML, and XML,PHP.

Ch.No.	Topic	No.Of Lect.	Ref.Books
1	<p><b>HTML &amp; Forms</b> Introduction To HTML, WWW, W3C, web publishing, Common HTML, Tags Physical &amp; Logical, Some basic tags like &lt;body&gt; , changing background color of page, text color etc., Text formatting tags, &lt;p&gt; &lt;br&gt;, &lt;hr&gt; tags, Ordered &amp; Unordered Lists Tags, Inserting image, Links: text, image links, image mapping , Tables , Frames, Form Introduction with text box, text area, buttons, List box, radio, checkbox etc.</p> <p><b>Internet Basics</b> 1 Overview of Internet, history, web system architecture, Uniform Resource Locator 2 HTTP protocol basics, HTTP request &amp; response, Cookies Basics</p>	10	1,3,6,9
2	<p><b>CSS</b> Introduction To Style sheet, types of style sheets- Inline, External, Embedded CSS, text formatting properties, CSS Border, margin properties, Positioning Use of classes in CSS, color properties, use of &lt;div&gt; &amp; &lt;span&gt;</p>	4	1,3,10
3	<p><b>JavaScript</b> Intro to script, types, intro of JavaScript, JavaScript identifiers, operators, control &amp; Looping structure, Intro of Array, Array with methods, Math, String, Date Objects with methods User defined &amp; Predefined functions, DOM objects, Window Navigator, History, Location, Event handling, Validations On Forms</p>	9	1,2,3,10
4	<p><b>VBScript</b> Intro. To VBScript, Variables, Data types, Control Structures &amp; Loops, Functions in VBScript, Client side web scripting,</p>	4	1,4,5

	Validating forms, DOM, Handling errors		
5	<b>XML</b> Intro & features of XML, XML writing elements, attributes etc. XML with CSS, DSO, XML Namespaces XML DTD, XML Schemas, Writing Simple sheets using XSLT, SAX & DOM Parsers, SOAP Intro.	7	7,8
6	<b>PHP</b> Obtaining, Installing & Configuring PHP 6.1 Introduction PHP & web server Architecture Model Overview of PHP	5	11,12

**Reference Books:**

1. Complete reference HTML.
2. JavaScript Bible
3. HTML, DHTML, JavaScript, Perl & CGI Ivan Bayross
4. VBScript Programmers reference wrox Press
5. VBScript in Nutshell
6. Internet Technology at work Hofstetter fred
7. Beginning XML Wrox Press
8. XML how to program Deitel & Deitel.
9. Programming the World Wide Web Robert W. Sebesta
10. Web enabled commercial application development using HTML, DHTML, JavaScript, PERL-CGI Ivan Bayross.
11. Beginning PHP5
12. Complete Ref. PHP
13. Beginning PHP, Apache, MySql web development.

**Reference Sites:**

1. [www.w3schools.com](http://www.w3schools.com)
2. [www.devguru.com](http://www.devguru.com)