

II Year – IV Semester
B.Com (Computers) / B.Com (IT) / BBA (IT)
WEB TECHNOLOGIES
(Discipline Specific Core)
w.e.f 2018-19

SCHEME OF INSTRUCTION

Hours per Week : 6
Credits : 5
Instruction Mode : Lecture + Practical
Course Code : **BS.06.201.24T**
Hrs

SCHEME OF EXAMINATION

Maximum Marks : 100
Internal Assessment : 40
External Examination : 60
External Exam Duration : 3 Hrs

Course Objectives:

To impart knowledge on various Web Technologies used for developing applications and hosting websites.

Course Outcomes:

Students will gain knowledge on:

1. The technologies for creating websites and publishing them
2. Creating web pages which are dynamic and interactive
3. To store the data in web document and transport information through web

Unit-I: Fundamentals of Web & HTML

(12 Hours)

Fundamentals of Web: The Internet, WWW- World Wide Web, Internet Service Providers – ISPs, URL-Uniform Resource Locator, Domain Name, Web Hosting, Servers and Internet protocols, Web Server

HTML: HTML tags, Structure of an HTML document, Text Formatting Tags, Hyperlinks, Images, Lists, Table and Forms.

Unit-II: CSS

(12 Hours)

CSS-Cascading Style Sheets and Styles: Tags and styles, DIV and SPAN tags, CSS types, Document Object Model (DOM)

Introduction to CSS3, [CSS3 Borders](#), [CSS3 Backgrounds](#), [CSS3 Text Effects](#), [CSS3 Fonts](#), [CSS3 2D Transforms](#), [CSS3 3D Transforms](#), [CSS3 Transitions](#),

CSS3 Animations

Unit-III: JavaScript (12 Hours)

JavaScript: Introduction to Java Script, Advantages, data types, operators & expressions, arrays, conditional checking, loops, Built-in functions, user defined functions, dialog boxes, browser objects, events, FORM & FORM objects and java script.

Unit-IV: Introduction to PHP (12 Hours)

Introduction to PHP, Installation of PHP - PHP configuration in IIS & Apache Web Server, PHP Syntax, PHP Echo/print, Executing PHP, PHP Form handling, Form validation & Form URL/E-Mail.

Unit-V: XML (12 Hours)

XML – eXtensible Markup Language: Defining data for web applications. Basic XML, well-formed XML document, XML elements, attributes, DTD-Document Type Definition, entities, namespace, DOM-Document Object Model.

Lab Work: Creation of Static & Dynamic Webpages using HTML, CSS, JavaScript & XML

Text Books:

1. Web Programming, Guy W. Leckey Thompson, 2008 by Cengage Learning, India Edition
2. Internet & WWW, Deitel & Deitel, Neito, 6th Edition.

References:

1. Web Programming – Building Internet Applications, Chris Bates, 2002 by Wiley Dreamtech India(P) Ltd.
2. Web Enabled Commercial Application Development Using HTML, JavaScript, DHTML and PHP, Ivan Bayross, Fourth Edition 2010, BPB Publications