

DEPARTMENT OF COMPUTER & INFORMATION SCIENCE**SCISVAC01 - Web Development****Learning Objectives**

To learn about HTML, DHTML concepts.

To implement a variety of presentation effects in HTML.

To know about appropriate client-side applications.

To gain the Knowledge of XML and its applications.

To know about java scripts and create adaptive web pages.

Course Outcomes

On successful completion of the course, the students will be able to,

- Develop a dynamic webpage by the use of java script and DHTML.
- Create web pages using DHTML and Cascading Styles sheets.
- Build dynamic web pages using JavaScript (client side programming)
- Write a well formed / valid XML document.

Unit I HTML

History of the Internet and World Wide Web – HTTP, SMTP, POP3, MIME, Understanding roles of Web Browsers and Web Servers. Structure of HTML, Text formatting, Text styles, hyper link, image, and tables.

Unit II Frames, Forms and CSS

Frames, Forms and controls, Embedding audio, video and animated files in HTML, CSS –Understanding CSS, Internal CSS, External CSS, Font Properties, Text Properties, Color and Background properties, Table properties, Numbering and List Properties.

Unit III JavaScript

Data types and literals, operators, conditional statements, loop constructs, reserved words; core Objects Array Object, Date Object; Functions passing value to JavaScript functions, user defined functions, Handling old browsers , java script events, formatting cookie, retrieving cookie value from the cookie file, removing a cookie , animations using events.

Unit IV ASP & XML

ASP – Working of ASP – Request and Response Objects – File System Objects – Session tracking and cookies – ADO – Access a Database from ASP – XML – Structure in Data – Name spaces – DTD – Vocabularies – Accessing Web servers – IIS – Apache web server.

Unit V PHP & MySQL

Why PHP and MySQL - Server-Side Web Scripting - Getting Started with PHP - Adding PHP to HTML -Syntax and Variables - Control and Functions - Passing Information between Pages – Strings – Arrays and Array Functions – Numbers - MySQL Database Administration - PHP/MySQL Functions -Displaying Queries in Tables - Building Forms from Queries.

Text Books

Kris Jamsa, konrad King and Andy Anderson, “HTML & Web Design Tips and Techniques”, Tata McGraw-Hill, First Edition, 2002.

Powell T.A. HTML Complete Reference, Tata McGraw-Hill, Fifth Edition, 2010.

Reference Books:

Deitel & Deitel, Goldberg, Internet and World Wide Web – How to Program, Third Edition, Pearson Education Asia, 2005.

Elizabeth Naramore, Jason Gerner, Yann Le Scouarnec, Jeremy Stolz, and Michael K. Glass, “Beginning PHP5, Apache, and MySQL Web Development”, First Edition, Wrox publications, 2005.

Rajkamal, “Web Technology”, First Edition, Tata McGraw-Hill, 2001. Tim Converse, Joyce Park and Clark Morgan “PHP5 and MySQL Bible”, Wiley Publishing, Inc. 2004.