

**OBJECTIVE:** to enable students to learn web page development and build web applications.

**UNIT - I: Web Essentials:** Internet, World Wide Web (WWW), Components of Web, Types of Websites, Role of web browser and web server, Client, Server and Communication, HTTP –request message- response message.

**HTML:** Document body, Text, Hyperlinks, formatting, List, Tables, Colours, Images and Image Maps, Frames, Forms.

**XML:** Introduction and Feature, Use of XML, XML document, Creating XML, DTD Reading XML

**UNIT – II: STYLE SHEETS:** properties and values in style sheets, Types- Internal, External, In-line style sheets.

**JAVA SCRIPT:**The basic variables, String manipulations, Mathematical functions, Statements, Operators and expressions, Arrays, Loops, Functions, Events and Event handlers

**UNIT – III: PHP:** Variables, Data Types, Operators and Expression, Constants, Switching Flow, Loops, Code block and Browser Output, Working with Functions Calling function, defining function, returning the value from user-defined functions, Creating Arrays, Array related functions, Creating objects, Instance strings manipulation in PHP. Date and Time functions in PHP

**UNIT – IV: Forms:** Creating forms, Accessing form input with user defined arrays, hidden fields, Redirecting a form after submission, mail, File uploads.

**Cookies and Session:** Introduction to cookies, setting cookie with PHP, Session function, start session, working with session variables. destroy session.

**UNIT – V: Files and directories:** create and delete files, opening file for writing, reading or appending. Writing or appending to file. Working with directories, Building a text editor, File Uploading & Downloading.

**MYSQL AND PHP:** interacting with MySQL using PHP, Performing basic database operations, (DML) (Insert, Delete, Update, Select), Setting query parameter, Working with Data.

**TEXT BOOK:** Web Technologies HTML, CSS, JavaScript, ASP.NET, Servlets, JSP, PHP, ADO.NET, JDBC and XML Black Book, Cogent Learning Solutions Inc.

#### REFERENCE BOOKS:

1. Internet and World Wide Web: How to program Deitel & Deitel, PHI
2. Sams Tech Yourself PHP, MySQL and Apache. Pearson Education
3. HTML in 24 hours- Dick Oliver, Tech Media Publications 2000
4. An Introduction to Web Design Plus Programming, Paul S.Wang Sanda S. Katila, Thomson(2007).
5. Programming the World Wide Web, Robert W.Sebesta, Third Edition, Pearson Education (2007).