

MODULE 1

Basics of Web Development

- a) Internet Basics
- b) XHTML1.0, HTML5**
- c) **CSS** (Cascading Style Sheets 1.0, 2.0)
- d) JAVA SCRIPT**
 - i. Java Script Basics
 - ii. Browser Programming
 - iii. Validating Forms.
 - iv. Client App. Development
- e) DOM**
 - i. DOM Basics
 - ii. Navigating through document
 - iii. Working with content/style/structure
 - iv. Document/Form Effects
- f) Working with Dream weaver, Fire Bug, Web Developer Toolbar.

Working with Protocols

- a) Uploading Files
- b) Sending Emails
- c) Email with Attachments
- d) Hands-On Exercises

Storing Information with Databases

- a) Database Concepts & SQL
- b) MySQL Installation & Configuration
- c) Connecting to Databases
- d) Creating Database Objects
- e) Insert and manipulate and retrieving Data in the Database.
- f) Working with ODBC and other DB's.
- g) PHP Database Tools (PHPMyAdmin)
- h) Backup (Import & Export) Database
- i) Hands-On Exercises

MODULE 2

Introduction to PHP

- a) All about PHP
- b) Apache – The Web server
- c) PHP Installation
- d) Basic rules of PHP programs
- e) Highlights of PHP

Working with Text and Numbers

- a) Text & Numbers
- b) Variables, Operators
- c) Hands-On Exercises

Understanding Decision Logic

- a) Making Decisions – if and switch control statements.
- b) Working with iterative conditions.
- c) Hands-On Exercises

Working with Arrays in PHP

- a) Array Basics, Categories, Types.
- b) Looping Through Arrays
- c) Modifying & Sorting Arrays
- d) Using Multidimensional Arrays
- e) Hands-On Exercises

Functions

- a) Declaring and Calling Functions
- b) Passing Arguments and Functions
- c) Returning Values, Variable Scope
- d) Date Function
- e) Hands-On Exercises

Making Web Forms

- a) Accessing Form Parameters
- b) Form Processing with Functions
- c) Displaying Default Values
- d) Hands-On Exercises

File and Directory Handling

- a) Including Files
- b) Working with Directories
- c) Opening, Writing & Updating Files
- d) Hands-On Exercises

MODULE 3

Addressing the Stateless Nature of HTTP, Security

- a) Hidden Form Fields
- b) Cookies
- c) Sessions
- d) Working with Captcha
- e) SQL/HTML/JS Injections, Hacking
- f) Hands-On Exercises

Object Oriented Programming

- a) OOPS Concepts
- b) Classes, Objects, methods and variables
- c) PHP Frameworks
- d) Hands-On Exercises

Working with XML

- a) Basics of XML
- b) Parsing XML(SAX, DOM, Simple XML)
- c) Creating & Writing XML files from Database to Database
- d) RSS (Really Simple Syndication)

Web Services

- a) CURL
- b) SOAP & REST
- c) Creating & Accessing SOAP based Web Services
- d) Sockets & Streams

Others

- a) Website Hosting - Cpanel
- b) Other PHP based Applications.
- c) FTP – File Transfers
- d) AJAX**
- e) Joomla (PHP CMS)**

Linux

- a) Linux Essentials
- b) Installing PHP/Apache/MySQL
- c) Working with Aptana & Quanta Plus
- d) File Management

BASICS

- 1) Rich Internet Application (RIA) Technologies
- 2) What is and Why AJAX?
- 3) AJAX – Technologies
- 4) Anatomy of AJAX Operation
- 5) AJAX Security
- 6) JavaScript debugging tools

XHTML

- 1) What is and Why XHTML
- 2) HTML – XHTML Differences
- 3) XHTML Rules
- 4) The Iframe

CSS

- 1) What is and Why CSS?
- 2) Redefining HTML Tags
- 3) Defining Classes, IDs
- 4) Handling anchors
- 5) Content Arrangement
- 6) Browse Specific CSS & Tips.
- 7) Hands on Exercises

JAVASCRIPT

- 1) What is and Why JavaScript?
- 2) JavaScript and JScript
- 3) Debugging JavaScript, firebug.
- 4) JavaScript language Basics
- 5) JavaScript functions
- 6) JavaScript events
- 7) Java Script Forms & Validations
- 8) JavaScript objects
- 9) Events and timers
- 10) Event Raising Techniques
- 11) Event Cancellation Techniques

FEE: Rs. 3000/- (only for Dhrusya PHP Students)

DOM

- 1) What is and Why DOM?
- 2) Browser objects and the HTML DOM
- 3) CSS and the HTML DOM
- 4) Resolve browser incompatibilities
- 5) Work with Style, structure, Content the Document.
- 6) DOM APIs & InnerHTML
- 7) Handling Mouse Events
- 8) Handling Objects and Elements

AJAX

- 1) AJAX – The XMLHttpRequest
- 2) XMLHttpRequest Properties
- 3) XMLHttpRequest Methods
- 4) Sending and receiving data
- 5) Synchronous and asynchronous requests
- 6) GET and POST Requests
- 7) Data formats (Plain text, XML, XHTML)
- 8) Parsing and displaying XML results
- 9) Making the Application User Friendly
- 10) AJAX: The Disadvantages
 - Bookmarks and the Back Button
 - Updating the User
- 11) AJAX Toolkits
 - o Client-Side Tools
 - o Server-Side Tools
 - o Hybrid Tools

XML

- XML Document Structure
- XML Elements
- XML Attributes
- PHP – Simple XML

1. **XHTML**
2. **CSS (1.0, 2.0)**
3. **PHP – OOPS**
4. **MVC Architecture**
5. **CMS - Framework**
6. **Joomla**
 - a. Introduction to Joomla
 - b. Installation
 - c. Extensions Types
 - d. Using Templates
 - e. Creating Content
 - f. Menus
 - g. Modules
 - h. Components
 - i. Plug-ins
 - j. User Management
 - k. Writing Own Scripts
 - l. Working with PHP
 - m. Developing own Components
 - n. Understanding SEO

1. **XHTML**
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3. **PHP – OOPS**
4. **MVC Architecture**
5. **CMS – Framework**
6. **Drupal**
 - a. Drupal Introduction
 - b. Installation
 - c. Understanding Drupal Administration
 - d. Manage Users
 - e. Content, Content Nodes
 - f. Themes, its Configuration
 - g. Modules
 - h. Building Navigation Framework
 - i. Writing PHP Code
 - j. Understanding Drupal API
 - k. Creating own Drupal Module

DURATION : 18 Working Days (Fast track 12 days)
OTHERS : **OSCOMMERCE & WORD PRESS**
FEE : Rs. **3000/-** each, **5000/-** Combined
TRAINER : **Venu Gopal Chaladi** M.Sc, MIT