

Web Development Course Contents

Web Development training curriculum is carefully designed to meet the requirements of next generation Web.

Internet Basics

- Protocols
- Servers and there Functions
- Internet Clients, Configuration and Use
- Network Security
- Internet Development
- Internet Site Functionality Design
- Business Concepts

HTML

- Fundamentals of HTML
- Basic HTML tags
- Format text on Web Pages
- Incorporate images
- Create hyperlinks
- Create complex image maps
- Create tables and nested tables
- Insert a form on a web page
- Set, modify form field properties: text field, drop-down, check box, radio button
- Validating HTML

Cascading Style Sheet - CSS

- Introduction
- Designing with Style Sheets
- Style Sheet Syntax
- ID, Class Contextual Selectors
- Linked (External) Style Sheets
- Cascading Order
- Properties: Text, Font, Colors, Backgrounds, Borders
- Floating Elements
- Absolute and Relative Positioning i.e. Div's etc.
- Layering Elements with the Z-Index
- Animation of objects

Javascript & Document Object Model - DOM

- Introduction to JavaScript
- Variables and Objects
- Decision Making Statement: If, Switch
- Loops: For, While & Do While
- Arrays
- Functions and Prototypes
- Core JavaScript Objects
- DOM Introduction
- DOM Event Model

- DOM Functions i.e. Document.Write, Document.GetElementByld, Document.bgColor etc.

JQuery

- Introduction
- Install & Configuration
- jQuery Syntax
- Selectors
- Events: Hide/Show, Fade, Slide, Animate, Stop, CSS
- jQuery Callback
- jQuery Chaining

Extensible Markup Language – XML

- What is XML?
- XML Benefits
- XML Holds Data, Nothing More
- XML Separates Structure from Formatting
- XML Promotes Data Sharing
- XML is Human-Readable

Document Type Definition – DTD

- Introduction
- DTD Building Blocks
- Elements & Attributes
- Entities
- Validation

DreamWeaver

- Interactivity
- Application Development Environment
- Collaboration & Productivity
- Site Management and Media
- Customizing & Extending
- Page Authoring, Design & Management

PHP HyperText PreProcessor - PHP

- Introduction
- PHP Document
- Language Fundamentals: Variables, Constants
- Decision Making Statement: If, ? & Switch
- Loops: For, For-Each While & Do While
- Statement: Break, Continue
- Operators: Airthmentic, String, Assignment, Comparison, Incr/Decr etc.
- PHP functions:
- Arrays: Numerically Indexed, Associative
- Array Functions: Join, Explode, Implode, In_Array, Array_Search.
- String Functions: Strlen, Printf, Substr, Str_Replace
- Server-Side Processing

- Processing Forms via GET/POST
- GET or POST?
- State and Persistence: Cookies/Session
- Web Application Development
- Introduction to PHP Frameworks
- Basic OOP

SQL & MySQL

- What is SQL & MySQL and its Versions?
- MySQL CLI:mysql/GUI:phpmyadmin
- Administration & Query Browser
- Creating Databases and Tables
- Using keys
- Table Types in MySQL
- Data Types:Varchar, Int, Char, Date and Time
- Deleting databases and tables
- Inserting, Retrieving, Updating and Deleting data
- MySQL User Accounts, Privileges and Access Control
- MySQL documentation

Integrating PHP and MySQL

- PHP interfacing with MySQL
- Connecting to MySQL
- Connecting to a database
- Executing SQL
- Retrieving the data set
- Refining the fetch

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