

*Mission- To bring in Continuous improvement and achieve excellent customer satisfaction at all levels of software training and development, through its modular and systematic approach in accomplishing our goal of becoming a global giant.*

## WEB SITE DESIGN FUNDAMENTALS

- Basics of Web Design Fundamentals
- Planning
- Advanced Design & Layout Concepts
- Creating web pages Using.....

## HTML

- Introduction to WWW
- What is HTML?
- Internationalization & Accessibility
- Character Encoding & References
- Document Structure
- Meta Tag & Heading Elements
  - o Base Font
  - o Text Links
  - o Text Format
  - o Text Resizing
  - o Text Lay outing
  - o Text Listing
- HTML Images, HTML Links
- Colors on the Text Link
- Link Targets, Image Link, Image Mapping
- DIV, SPAN & ADDRESS
- INS & DEL Tags, Constructing Tables
- Borders & Alignment
- Layout Design with Frame
- Borders, Resizable Windows
- Layout Design with Frame
- Borders, Resizable Windows
- Scrollbars, HTML Forms
- Elements & Attributes
- Structuring with Fieldset
- Access Key & Tab Index
- Disabled & Read Only Controls

## CSS

- Introduction to Style Sheet
- Introduction to CSS, Types of Style Sheet
- Types of CSS-
  - o Internal
  - o External
  - o Inline/Embedded
  - o Imported

- Inserting a CSS, Using Multiple Sheet
- Understanding the Cascade
- Basic CSS Syntax, Background Properties
- Text Properties, Font Properties
- Border Properties, Margin Properties
- Padding, List & Table Properties

## Java Script

- Introduction to Java Script
- Java Script in HTML, Java Script Statement
- Write & Writeln, Values & Variables
- Literals & Comments
- Expressions in Java Script, Pop Up Boxes, Operators
- Conditional Statements, Loop Statements
- Object Manipulation Statements
- Working with Build-in Objects
- Array & Boolean Objects
- Math & Date Objects
- String & Number Objects
- Working with Build-in Functions
- isNaN() Function
- parseInt() & parseFloat() function
- Exceptional Handling
- Java Script Event Handler
- Timing Events, Status Bar, and Roll Over
- Object Model, Functions in Java Script
- Navigator Object Hierarchy
- Java script Reflection
- Window & Frame Object
- Document & Form Object
- Location & History Object
- Working with windows & Frames
- Working with MIME types, Playing Sounds

## DOM

- Basics of DOM, DOM hierarchy
- DOM Methods, Functions
- Forms Collection, Table Collections
- Inner HTML, Nodes & ChildNodes
- DOM with HTML & CSS

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**PHP****• Overview of PHP**

- o Static V/s Dynamic Websites
- o Dynamic Content from Databases
- o Developing Dynamic Internet Applications
- o Client-Side Scripting V/s Server Side Scripting
- o Overview of PHP Capabilities
- o Configuring PHP.INI & PHP V/s ASP

**• Basic Scripting & Looping Constructs**

- o PHP Scripting Fundamentals
- o Print Statement, Code Blocks
- o Primitive Data Types
- o Defining Constants & Variables
- o Looping Constructs
- o While, Do While, For, Exit & Break

**• PHP Operators**

- o Logical, Relational & Bitwise Operators
- o Other Operators
- o Conditional Constructs
- o True & False Expressions
- o If, Else & Elseif
- o Switch/Case Statement
- o The ? (Ternary) Operator
- o Time Stamps

**• Arrays in PHP**

- o Usage of Arrays in PHP
- o Indexing Arrays, Initializing Arrays
- o Adding and Removing from Arrays
- o One Dimensional Arrays
- o Multi Dimensional Arrays
- o Array Functions

**• PHP Functions**

- o Introduction to Functions
- o Declaring Functions, Scope
- o Passing Arguments to Functions
- o Returning Values from a Function
- o Using Include Files
- o The Require Statement, Recursion
- o Dynamic Function Calls
- o Predefined PHP Functions & Mailing Functions

**• Classes & Objects (PHP)**

- o Introduction, The Basics & Auto Loading Objects
- o Constructors & Destructors, Visibility

- o Scope Resolution Operator (::)
- o Static Keyword, Class Constants
- o Class Abstraction, Object Interfaces
- o Overloading, Object Iteration & Patterns
- o Magic Methods, Final Keyword
- o Object Cloning, Comparing Objects
- o Reflection & Type Hinting

**• File Handling**

- o Searching File Contents with Regular Expressions
- o Changing & Editing File Contents
- o Splitting & Joining Information inside Files
- o File Uploading, String Functions
- o Regular Expression Functions
- o Reading, Writing & Deleting Files
- o Handling File Permissions, File Locking
- o Reading Directory Contents
- o Creating & Deleting Directories

**• Working with Databases & Forms**

- o Configuring PHP for Database Support
- o PHP's Database APIs
- o PHP's SQL API
- o Database Drivers
- o Database Driver Class Wrappers
- o ODBC
- o Simple SQL Queries via PHP
- o Tracking Visitors with Session IDS
- o Population Forms
- o Retrieving Data from Forms
- o Retrieving Data from Forms

**• Using Cookies with PHP**

- o Purpose of Cookies, Cookie Myths
- o Setting Cookies, Retrieving Cookies
- o Expiring Cookies, Deleting Cookies
- o Storing arrays in Cookies

**• Miscellaneous PHP Tasks**

- o Error Logging
- o Session Management & Maintaining State
- o Using Environmental Variables
- o Changing Execution by Redirecting to Other URLs
- o Embedding Java Script with PHP
- o Using HTTP & FTP Protocols to Pass Data
- o Showing Different Contents to Different Browsers
- o Getting IP Addresses from Visitors

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**My SQL**

- Introduction to My SQL

- o Overview of My SQL
- o History of My SQL & it's Main Features

- Create & Manage Database & Tables

- o Connecting to & Disconnecting from the Server
- o Entering Queries, Creating & Using a Database
- o Creating & Selecting a Database
- o Creating a Table & Loading Data into a Table
- o Retrieving Information from a Table
- o Getting Information about Databases & Tables

- Data Types, Functions

Operators & SQL Syntax Statement

**A) Data Definition Statements**

- o CREATE TABLE, ALTER TABLE Syntax
- o DROP TABLE, RENAME TABLE Syntax
- o CREATE DATABASE, ALTER DATABASE Syntax
- o DROP DATABASE Syntax

**B) Data Manipulation Statements & Control Statements**

- o DELETE, DO & Insert Syntax
- o LOAD DATA INFILE, REPLACE & SELECT Syntax
- o Subquery, TRUNCATE & Update Syntax

**C) Stored Procedures & Functions**

- o Stored Routine & the Grant Tables
- o Stored Routine Syntax, Stored Procedures
- o Functions, Triggers & IAST\_INSERT\_ID()

**D) Triggers**

- o CREATE TRIGGER Syntax
- o DROP TRIGGER Syntax
- o Using Triggers

**E) Views**

- o CREATE VIEW Syntax
- o ALTER VIEW Syntax
- o DROP VIEW Syntax
- o Using PHP My Admin to Configure My SQL Functions & Operators

**Introduction to Apache Web Server**

- o Configuration Files
- o PHP Installation & Configuration
- o WWW Sites Within Apache
- o Website Properties
- o RPM Installation V/s Binary Installation

**AJAX**

- o Using Ajax
- o Basics of Ajax
- o XMLHttpRequest Object
- o Asynchronous Communication
- o Uploading the Response



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### Cake PHP the Framework

#### A) Introduction

- o Installing & Running Cake PHP
- o Creating a To-Do List Application

#### B) Developing Cake PHP Applications

- o Naming Files & Designing the Database
- o Creating Simple Views & Baking in the Console
- o Customizing Views
- o Working with Controllers & Models
- o Implementing Ajax Features

#### C) Advanced Cake PHP

- o Helpers
- o Routes
- o Components & Utilities
- o Vendors
- o Plugins
- o Data Sources & Behaviors
- o Wrapping Up the Application

### Drupal the CMS

- o Use Of Drupal
- o Drupal Applications
- o Drupal Automatic Installation
- o Drupal Manual Installation
- o How to Use Drupal
- o Drupal Modules
- o Drupal Themes
- o Drupal Users

### Overview Of Joomla & Smarty