

PHP TRAINING COURSE CURRICULUM

What Student will Achieve During This Course

This course will enable you to build real-world, dynamic web sites. Using PHP language and database MySQL allows you to make our sites dynamic. Using this course student will be able to learn like:

- User authentication and personalization
- CRUD operations.
- Accessing command line arguments from PHP scripts
- Generating web pages dynamically using PHP
- Retrieving Web Pages manipulating from data
- Personalizing Web site content using Session and Cookies
- Tracking user navigation on your Web site
- Regular Expression with PHP to Make strong validation
- Exception Handling
- Integrating database content to generate dynamic Web pages
- PDF document generation, etc...

Hyper Text Markup Language (HTML)

- Introduction to HTML
- Structure of HTML
- Attributes & Values
- Comments, Header Tags
- Image Tag
- Link Tags (Text & Image)
- Marquee Tag
- List Tag (Ordered & Unordered)
- Table Tag
- Form Tags
- Audio, Video Tags
- About Iframe
- Embedding of Google Maps

JavaScript (JS)

- Introduction to JavaScript
- Variable , Operators , Conditions
- Looping and Array
- Introduction to functions
- Popup Boxes (Alert ,Confirm ,Prompt)
- Form Handling
- DOM Manipulation
- Pre- defined functions
- Client Side Validation (Regular Expression)

Style Sheet (CSS)

- Types of style sheet
- About CSS Selectors
- About CSS Properties
- Background Properties
- Box Properties
- Border Properties
- Positioning Properties
- CSS Menu Design
- Creating a Web Layout using Divs, CSS

Introduction to PHP

- Web Architecture
- Overview of PHP Platform
- Origins of PHP in the open source community
- Why we use PHP?
- Some of PHP's strengths:
- Some of PHP's main competitors are PERL, Microsoft ASP.NET, JavaServer Page
- Availability across multiple platforms
- Installing as a module for Apache Web Server

PHP language building blocks

- Comparing PHP with other Web scripting languages or technology
- Installation of PHP
- PHP delimiters
- Variable initialization with PHP
- PHP Data types
- PHP Constants
- PHP Operators

Conditional Statements

- If else
- If else if else
- Nested If
- Switch Case
- Jump Statements (Break , Continue , Exit)

Looping (Iteration)

- For loop
- While loop
- Do while loop
- Nested Loop

Introducing ARRAY

- How to use an important programming construct: arrays
- Numerically Indexed arrays
- Non-Numerically Indexed arrays (Associative Array)
- Multidimensional arrays
- Array sorting

Manipulation user input

- Presenting the user with input options via different HTML form elements
- Retrieving form data with \$_POST, \$_GET and \$_REQUEST arrays
- Preserving Data in Form inputs

Reusing Code and Functions

- Introducing Functions
- Defining functions
- Using parameters
- Understanding scope
- Returning values
- Call By Value & Call By reference
- Using Require() and include()
- Array , String , Math , Date functions

File Uploading & Downloading

- File uploading Concepts

Multiple File Upload
Downloading file from server using header.

String Manipulation and Regular Expression

Formatting , Joining ,splitting , comparing strings
Introducing Regular Expression

State Management

Session, Cookie , Query String
Understanding Basic Session Functionality
Starting a Session
Registering Session variables
Using Session Variables
Destroying the variables and Session
What is a Cookie?
Setting Cookies with PHP
Using Cookies with Sessions
Deleting Cookies
Implementing Query String
Hidden Fields

MySQL Database

Introduction to DBMS and Mysql
Web Database Design & Architecture.
Creating a MySQL Database
Creating Database Tables
Column Data Types
Implementing Insert/Delete/Update and select Query
Aggregate Functions
Having and Group By Clause
Joining Table
Implementing Keys & Constraint.
Dropping Tables and Databases

Database Connection

Mysql database connectivity

Advance PHP Techniques

Exception Handling