

SIX WEEKS PHP 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

- PDF Generation
- Excel or CSV Generation
- Implementing Pagination
- Exception Handling