#Learn_from_Home

Web Development using PHP

Course Code: LFH/PHP/01

Duration: 50 hours

Course Syllabus

INTRODUCTION

This industry oriented course is developed by both the Software development division & Training division of **ipsr solutions limited**. IPSR is **a public limited IT company** with 20 years of expertise in Software product development, Training services, Placement services & Digital Marketing services. During the past 2 decades, IPSR has trained candidates from **50+ countries** and helped **40000+ candidates** to build their IT career. Our IT services division is a pioneer in development of **Academic solution products**, incorporating cutting edge technologies like Artificial Intelligence, Data Analytics and Machine learning. Live industry experts from this IT division contribute a major role in delivering this course. Our placement division is having **1500+ placement tie-up companies** and we are conducting recruitment on all days.

The Course curriculum is designed and developed by a team of expertise panel lead by following academicians

- ❏❏ **Dr. Mendus Jacob, M.Sc., M.Phil., Ph.D., MIoD**
    - ❏ M.D & C.E.O - IPSR & Valin Technologies, U.K.
    - ❏ Director - MCA, Marian College, Kuttikkanam (Autonomous)
    - ❏ Former Director of School of Applicable Mathematics, M.G. University.
    - ❏ Academician and Entrepreneur with 30+ years experience
- ❏❏ **Dr. Sunil Job K.A, M.Sc, M.Ed, M.Phil, Ph.D., RHCE**
    - ❏ Chief of Academic Solutions - IPSR
    - ❏ Former college Principal and a Specialist in Data Analytics & Machine Learning
    - ❏ Blogger and a Resource person for National conferences
    - ❏ Academician with 25+ years experience

What you'll learn

✅ Php Language Basics, Functions, File Programming , OOPS, MySQL, Database Programming using PHP and MySQL.

Description

This course covers the Web Development using PHP Language and MySql.

Course Outcome (CO)

While successfully completing this course, the learner will be able to:

➔ Do programming using PHP.
➔ Create simple web applications in one tier, two tier and three tier architectures.

What does this course give you?

Skills needed to write server-side cross-platform HTML-embedded scripts to implement dynamic Webpages that interact with databases and files.

Course content

Prerequisite: Web Development Basics - HTML, CSS, JavaScript

Introduction to PHP

- PHP features.
- XAMPP & WAMP.
- Installation of XAMPP.
- Basic PHP Syntax.
- Output Statements – print, echo.
- Adding comments in PHP.

PHP Variables and Operators

- Declaring Variables.
- Operators in PHP.

Conditional and Looping Statements

- If   Statement
- Switch
- For, Foreach, While, do while

Functions
- User defined functions.
- Function with Default Arguments.
- Passing Argument by Reference, Value.
- Variable Scope.
- Built In functions.

Strings
- Strings in PHP
- String functions in PHP

Arrays
- Types of arrays in PHP.
- Creation of arrays.
- Array functions.

File Handling
- File opening modes.
- File Open/Read
- File Create/Write
- Delete a File.

Object Oriented Programming
- Classes and objects.
- Constructor & Destructor.
- Inheritance.
- Polymorphism.
- Abstract Class.
- Interface.

PHP Form Handling.
- Input Form Creation.
- GET and POST Methods.
- include() and require().

Sessions
- Starting a PHP Session.
- Storing and Accessing Session Data.
- Destroying Session Data.

MySQL
- Introduction.
- Database creation.
- CREATE, ALTER, DELETE, DROP tables.
- INSERT, UPDATE, DELETE table data.
- WHERE clause
- AND, OR, IN, LIKE, DISTINCT, ORDER BY, GROUP BY, UNION
- Sub-queries
- LEFT JOIN, RIGHT JOIN, INNER JOIN

Database Programming PHP & MySQL
- PHP MySQL functions.
- Connecting database.

Web Programming in Tier Architectures.
- Simple CRUD application.
- One-tier architecture.
- Two-tier architecture.
- Three-tier architecture**.**
- Using AJAX and JQuery in PHP.

Next Recommended Module: MVC Web Development using Laravel Framework

Contact Us

IPSR SOLUTIONS LTD.

Merchant's Association Building

M.L. Road, Kottayam - 686001

Kerala, India, Pin-686001

Phone: +91-481 2561410, 2561420, 2301085

Mobile: +91 9447294635, +91 9447169776

Email:

training@ipsrsolutions.com

Website: http://www.ipsr.org

Learn_from_Home Portal: https://lms.ipsr.org

We have branches at Kochi, Thiruvananthapuram, Calicut and Bengaluru.