



php

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PHP

Development Training
Syllabus

PHP TRAINING SYLLABUS

TRAINING PERIOD : 4 MONTHS

TIME : MINIMUM 4 HOURS/DAY

1ST MONTH TRAINING

GENERAL TECHNOLOGY RELATED OVERVIEW C, C++ ETC

- **Definition - What does C Programming Language (C) mean?**
 - Local Environment Setup of C.
 - C - Program Structure, Compile and Execute C Program.
 - C - Basic Syntax.
 - C - Data Types, Variables, Constants and Literals.
 - Storage Classes, Operators, Decision making Statements, Looping Statements.
 - C – Functions, Scope Rules, Arrays, Strings.
 - Sample Programs of C Language.
- **Overview of C++**
 - C++ - Basic Syntax, Comments, Data Types, Variable Types, Scope of Variables.
 - C++ Functions, Numbers, Arrays, Strings.
 - C++ Decision making Statements, Looping Statements, Operators.
- **What is OOPS Concept in Programming Language?**
 - What is OOP?
 - What is a Class?
 - What is an Object?
 - How to identify and design a Class?
 - What is Inheritance?
 - What is Encapsulation (or Information Hiding)?
 - Private Methods & Public Methods
- **General Knowledge of Website Design**
 - Basic Knowledge for HTML
 - Basic Tags of HTML, HTML Elements, Attributes, HTML Formatting.
 - HTML Phrase Tags, Meta Tags, HTML Comments.
 - HTML Text Links, Image Links, Email Links.
 - HTML Frames, iframes, Blocks, Backgrounds, Colors.
 - HTML Embed Multimedia, Marquee, Header.
- **Basic of CSS**
 - CSS Syntax.
 - CSS Inclusion, Measurement Units.
 - Types of CSS, CSS Rules, CSS Media Query.
 - CSS Animation, CSS Dimension, CSS Cursor.
- **What is JavaScript?**
 - JavaScript syntax, JavaScript Placement.
 - JavaScript Variables, Operators, Numbers, Arrays.
 - JavaScript Objects, JavaScript Looping Statements, Conditional Statements.
- **Knowledge of jQuery and Ajax.**
 - JQuery Overview.
 - JQuery Basic, Selectors, Attributes, DOM Traversing, JQuery CSS.
 - JQuery DOM, JQuery Events, JQuery Effects.
 - JQuery Validation of form controls.
 - JQuery AJAX, AJAX methods.
 - Simple Webpage Design using HTML, CSS, jQuery.

2nd MONTH TRAINING

● Starting with PHP.

- What is Client side Scripting Language and server side Scripting Language?
- Introduction for XAMPP and MySQL.
- PHP Environment Setup.
- PHP - Syntax Overview
- Data Types, Constants, PHP Operators.
- PHP Decision Making Statements, Looping statements, Arrays.
- PHP String Functions, PHP Web Concepts.
- PHP Form Methods, File Inclusion, File I/O operation.
- PHP Functions, Cookies, Sessions.
- PHP Mail Functions.

● What is Webservice?

- Introduction of Application Programming Interface (API).
- Develop Sample API With PHP.
- Remote Procedure Calls.
- Simple Webservice Example using PHP.

● Introduction of Codeignitor

- Basic Knowledge of Codeignitor and Setup of Codeignitor.
- Basic Directory Structure.
- Database Connection of Codeignitor.
- Configuration Option with Codeignitor.
- Libraries of Codeignitor.
- Helpers of Codeignitor.
- Knowledge of Hook in Codeignitor.
- Sample Programs with use of Codeignitor.

● Database Connectivity

- Introduction of DBMS.
- Connection with MySQL Database.
- Setting Query Parameters.
- Introduction about Join and its Type.
- Introduction of Trigger in MySQL.
- Basic Programs in PHP using CRUD (Create, Read, Update, Delete) Operation With MySQL.

● MVC Architecture

- Understanding the MVC Pattern Models.
- How MVC Works?

● What is Wordpress?

- Installation of Wordpress.
- Basic Introduction of Wordpress Dashboard.
- General Setting of Wordpress.
- Writing Setting of Wordpress.
- Reading Setting of Wordpress.
- Discussion Setting of Wordpress.
- Media Setting of Wordpress.
- Permalink Setting of Wordpress.
- Plugin Setting of Wordpress.
- Category Management from Admin Panel
- Generate New Post, Delete Post, Edit Post.
- Theme Setup in Wordpress.
- Customization of Wordpress Theme.
- What is Plugin?
- Simple Plugin Generation of Wordpress.
- Customization of Wordpress Dashboard.
- Sample Blog with Wordpress.
- Make Small Sample Project using Codeignitor and Wordpress.

3rd MONTH TRAINING

● Work with Live Project using Localhost

- Live Project Definition & Requirement Gathering.
- Basic Chart diagram of project.
- Standard DB Design for Project.
- Indexing of Database Tables.
- Screen Design and Admin Panel Creation.
- Start Implementation of Project using PHP.

4th MONTH TRAINING

● Work With Live Project Using Live Server.

- Live Server Domain Pointing.
- Create FTP of Live Server and Use of FTP with Live Server.
- Upload Website on Live URL.
- Testing Project and Bug Solving.
- Launch Final Project.



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