

ADVANCE PHP



CURRICULUM

» Course Description

This course is intended for anyone looking to their current PHP and MySQL knowledge to that of an Advanced PHP Developer . AdvPHP aims to assist PHP users of all levels to create robust, maintainable applications quickly and easily. Developers who are already familiar with PHP and want to improve their knowledge of advanced development techniques like CodeIgniter ,CakePHP ,Wordpress , Opencart, Joomla, Smarty etc.

» Designed For

Anyone who have successfully completed the Basic PHP. Job seekers who want to double their chances to get placement as PHP Developers who are already familiar with PHP and want to improve their knowledge of advanced development techniques. Professional PHP developers who want to learn MVC based framework.

» CMS

CMS stands for Content Management System.

CMS became a buzz word in the web development industry because of its benefits. CMS is an application (more likely web-based), that provides capabilities for multiple users with different permission levels to manage (all or a section of) content, data or information of a website project, or internet / intranet application. Managing content refers to creating, editing, archiving, publishing, collaborating on, reporting, distributing website content, data and information.

Some most popular CMS are :- **Wordpress, Joomla, Drupal, Opencart, Magento etc.**

» Framework

Framework is a universal, reusable software platform to develop software applications, products and solutions. In other words, we can say it is some kind of library, a piece of software, which provides web developers with code base and consistent standardized ways of creating web applications. Framework follow some design pattern like MVC. PHP frameworks help to promote rapid application development (RAD), which saves you time, helps build more stable applications, and reduces the amount of repetitive coding for developers.

Some most popular Framework are :- **CakePhp, CodeIgniter, Laravel, Yii,**

COURSE CONTENTS

OBJECT ORIENTED PHP

- Object oriented concepts
- Classes, objects and operations
- Class attributes
- Access Modifier
- Constructor & Destructor
- Inheritance
- Static method
- Type Hinting
- Object Cloning
- Abstract class
- Final keyword
- Inheritance
- Implementing interface
- Understanding Advance and New Object Oriented functionality
- Magic functions with PHP

CODEIGNITER

- » **Introduction to CodeIgniter**
- » **Why Framework**
- » **Introduction to MVC**
- » **Folder Structure**
- » **Configuration Setting**
- » **Routing**

» **Controllers**

- Introduction Of Controller
- CI_Controller , Request Parameters ,Actions
- Controller Methods & Attributes
- Creating Core Controller Class

» **Views**

- Creating Views
- Layouts (Use Image, CSS, Bootstrap, JS)
- Calling in controller
- Helpers (FormHelper , HTML Helpers) in Views

» **Models**

- Creating Model
- How to Load in controller
- Calling in Controller
- Apply The Business logic
- Creating Core Model Class

» **Helpers**

- Introduction
- How to load Helper
- Apply To Controller and Views
- Creating Own Helper
- How to override other Helper

» **Libraries**

- Introduction
- How to load Library
- Apply to Controller and Model
- Creating Own Library
- How to override other Libraries

» Database

- Introduction
- How to Configure
- Active Records and Query Builder
- CRUDS operation (Create Insert Update Delete and Search)

» Form Validation, Session, Pagination, Uploading

» Autoload Configuration Setting

» How to Remove index.php in URL

» Security Features

» Project Implementation in Code Igniter - Ecommerce

LARAVEL

» Introduction of Laravel PHP Framework

- Introduction of LARAVEL
- Installing Laravel
- Introduction of MVC Pattern
- Laravel Directory Structure

» Setting up a sample project ' Hello World '

- Artisan command to generate a controller
- Basic routing
- Call a controller method from a route
- Passing variables from controllers to views

» HTML to Laravel Blade Syntax

- Display Images
- Make Anchor
- Displaying Variables
- Conditional Statements
- Loop in blade
- PHP function
- Build Your Master layout
- Extending the master layout
- nested views
- Include Views
- Adding assets

» Using Forms and Gathering Input

- Adding HTML 5 Package
- Creating A form using Blade Syntax
- Validating user input
- File Uploading
- Error message Handling
- Encrypting and decrypting data
- Preserving the data

» Using Controllers and Routes for URLs

- Introduction
- Creating a basic controller
- Creating a route using a closure
- Making the controller As a routing
- Using route groups
- Using route resource

» Database Connectivity

- Introduction Model
- Type of Database using
- Eloquent ORM Model
- Naming Convention

- Table name
- Primary key
- Timestamps
- Use model
- Display data from models in views
- Manage Mass Assignment
- CRUDS Operation (Create Read Update Delete Search Operations)
- Fluent
- Simple Query String
- CRUDS Operation (Create Read Update Delete Search Operations)
- Query Builder
- CRUDS Operation (Create Read Update Delete Search Operations)

» Security & Session

- Removing Public from URL
- Sessions Effective

» Laravel Project : (Any Project)

WORDPRESS

» CMS Introduction

- Getting Started with Wordpress
- Installation
- Setup Your Profile
- Wordpress Structure

» Creating Content with Wordpress

- Wordpress Posts Vs. Pages
- Categories Vs. Tags
- Media Manager
- Create Custom Menus

» Customizing Your Wordpress Site

- How to Use Themes
- Customize theme
- How to use Plugins and Widgets
- Using Wordpress Screen Options
- Managing Wordpress Comments

» Wordpress Site Management

- Upgrading Wordpress
- Move Web Content with Wordpress Import and Export
- Managing User Roles
- Wordpress Security Briefing

» Wordpress Setting

- WordPress General Settings
- WordPress Writing Settings
- WordPress Reading Settings
- WordPress Discussion Settings
- WordPress Media Settings
- How to Use WordPress Permalinks

» Theme Customization

- How to customize a theme
- What is a Child Theme and How to Create and Use it
- How to create Custom page, category templates

» Wordpress Plugins

- How to install a plugin
- How to modify the plugin
- How to develop a simple plugin
- How to Connect your plugin with database

» Implementing Woo Commerce

- Host Your Wordpress Website

Partners :



Java



development | consultancy | training

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