



# Advanced PHP and MVC (Laravel) Courses



**Course Duration:** 4 Months



**Mode of Training:** Offline/Online



**Price:** **INR 40,000/-**

## Our USP:



**Mentors From Top  
Notch Tech Companies**



**1:1 Live Doubt  
Clearing Sessions**



**Dedicated Relationship  
Manager/Counsellor**



## Advanced PHP and MVC Course Module



## PHP

### Module 1: What is PHP?

- Understanding client / server roles
- Apache, PHP, MySQL, XAMPP Installation

### Module 2: PHP Fundamentals

- PHP Basic syntax, PHP data Types & Variables
- Taking user input, PHP Expressions, PHP Operators
- PHP Control Structures, PHP Loops

### Module 3: PHP Arrays

- PHP Arrays, PHP Associative Arrays
- Array Iteration, PHP Multi-Dimensional Arrays

### Module 4: OOP Overview

- Classes & Methods
- Properties & Visibility
- Class Inheritance

### Module 5: PHP Forms

- PHP Form handling, GET, POST, PUT/PATCH, DELETE

## Module 6: PHP Cookies & PHP Sessions

- PHP Cookie & Session Handling

## Module 7: MYSQL QUERY

- insert, select, update, delete, join, groupBy, as, operators



## MVC Laravel

## Module 1: Introduction of Laravel PHP Framework

- Installing Laravel
- Artisan CLI (command-line interface)
- Laravel Directory Structure
- Configuring a new Laravel project
- MVC Structure

## Module 2: Setting up a sample project in Laravel

- Basic routing and Name routing
- Basic routing and Name routing
- Controller
- Call a controller method from a route
- Passing variables from controllers to views

## Module 3: Laravel Blade Template Engine

- Master layout in HTML/Bootstrap template
- HTML Template inheritance
- Displaying Your Template Views
- Loading a view into another view/nested views
- Adding assets in view pages

## Module 4: Laravel Authentication & Authorization Concept

- HTTP Basic Authentication
- Middleware Authentication
- Laravel Guard Authentication
- Hashing

## Module 5: Laravel Forms Validation and show error message

- Creating Registration form
- Validating user input
- Creating a file uploader
- Validating a file uploader and email and password etc.
- Creating a custom error message using laravel default error method

## Module 6: Advanced SQL Queries

- Using Operators
- Grouping Records, Having Clause
- Joining Tables
- Select Record
- Insert Record
- Deleting Record

## Module 7: Laravel Migrations and Migrate Table

- Introduction
- Php Artisan migration command
- Migration structure
- How to create a table using a migration
- Laravel migration rollback
- Migrations for our project database
- Database seeding

## Module 8: Creating a registration & user login form

- Create user register and login system Using Auth
- Adding Custom Fields to Registration Form



## Module 9: Laravel Eloquent ORM

- Eloquent ORM Models
- Table name and primary keys
- Eloquent ORM INSERT, READ, UPDATE, DELETE
- Displaying data from models in views
- Relationship

## Module 10: Creating and Using Third-Party Packages

- Introduction
- Downloading and installing packages

## Module 11: Using Ajax and jQuery

- Introduction
- Multiple dropdown dependency

## Module 12: Create Restful APIs

- Introduction
- Building a Restful API with routes
- Creating crud API

## Module 13: Laravel Eloquent Accessors & Mutators

### Introduction

- Learn how to use Eloquent accessors and mutators to format attributes when retrieving or setting them on models.

### Creating Accessors

- Implement custom methods to transform attributes when retrieving them from the database.

### Creating Mutators

- Define mutator methods to format attributes before saving them to the database.

## Module 14: Laravel Dependency Injection & Service Container

### Introduction

- Introduction Understand the concept of dependency injection and how Laravel's service container works.

### Service Container Basics

- Explore the basics of binding and resolving services in the Laravel service container.

### Dependency Injection

- Learn how to inject dependencies into controllers, routes, and other components.

## Module 15: Laravel Authorization

### Introduction

- Get an overview of Laravel's authorization features for protecting routes and actions.

### Gates and Policies

- Learn how to define and use gates and policies to handle authorization logic.

### Authorization Middleware

- Implement middleware to control access to different parts of your application.

## Module 16: Component-Based Architecture

### Introduction

- Discover how to use Laravel's component-based architecture for building reusable UI components.

### Blade Components

- Create and use Blade components to encapsulate UI elements.

### Component Slots

- Utilize slots in Blade components for more flexible component structures.

## Module 17: Laravel with Livewire

### Introduction

- Introduction Learn how to use Laravel Livewire for building dynamic interfaces without writing JavaScript.

### Setting Up Livewire

- Install and configure Livewire in a Laravel project.

### Building Components

- Create Livewire components to handle dynamic behaviors and interactions.

## Module 18: Laravel Event & Listener

### Introduction

- Understand the event-driven programming model in Laravel.

### Creating Events

- Learn how to define and dispatch events in a Laravel application.

### Creating Listeners

- Implement listeners to handle events and perform tasks in response.

## Module 19: Laravel Queue & Jobs

### Introduction

- Explore how to handle time-consuming tasks using Laravel's queue system.

### Creating Jobs

- Define job classes to encapsulate tasks you want to run asynchronously.

### Queue Drivers

- Learn about different queue drivers and how to configure them.

## Module 20: Laravel Broadcasting

### Introduction

- Get an overview of Laravel's broadcasting capabilities for real-time event broadcasting.

### Setting Up Broadcasting

- Configure broadcast drivers and create channels for broadcasting events.

### Broadcasting Events

- Learn how to broadcast events to clients using Laravel Echo and Pusher.

## Module 21: Live Project

At the end of module, all students get the expertise to develop an industry standard Laravel application. So, at this stage, we assign live project works to the students.