

Course Name : Practical Laravel
Duration : 2 days
Skill Level : Beginner

Course Description:

The candidates will learn to program using the latest **Laravel Version 8** and will go through all the underlying concepts which make this framework so powerful. This course has been designed to provide a practical concepts in Laravel. At the end of the course the candidates will create a fully functional MVC based CRUD Web Application.

MODULE 1: PHP LANGUAGE BASICS

- Welcome
- What you need to know?
- PHP Language Basics
- Syntax & Quotes
- Data Types
- Variables & Constants
- Arrays
- Conditionals & Loops

MODULE 2: OBJECT ORIENTED PROGRAMMING

- Introduction
- Classes & Objects
- Static Context
- Visibility (PPP)
- Overriding Functions
- Interfaces
- Cloning
- Namespaces

MODULE 3: INTRODUCTION TO LARAVEL

- Introduction to Laravel
- Installation & Setup
- Installing and Creating with Laravel
- Using Laravel's Server
- Intro to the Eloquent ORM
- Tinker & ApplicationInteraction

MODULE 4: MVC & LARAVEL

- What is an MVC Framework
- Laravel Collections
- Laravel Farm Class
- Intro to CRUD

- Create
- Read
- Update
- Delete or Destroy

MODULE 5: MODELS AND VIEWS

- What is a Model for?
- Creating a Model
- Local Scopes
- Introduction to View
- View Location
- Blade
- Looping with Blade
- Layouts

MODULE 6: CONTROLLERS AND ROUTING

- Controllers: The Middleman
- What is a Controller?
- Creating Controllers
- Show Methods
- Routing: Directing Traffic
- Route Location
- Closures with Arguments
- Resource Controller
- Listing Routes

MODULE 7: MODEL & DATABASE MIGRATION

- Using Laravel's Server
- Generating Models
- Building Migrations
- Factory and Faker

MODULE 8: DATABASE & TINKER

- Database Setup
- MySQL Monitor
- Database Configuration
- Running Migrations
- Using Artisan Tinker
- Mass Assignment

MODULE 9: CONTROLLERS & INDEX

- Routing Through a Controller to a View
- Creating a Controller
- RESTful Routing
- Building the Index Method

MODULE 10: FORMS, VALIDATION & PAGINATION

- Forms, Layouts, and CSRF
- Layouts
- Creation Forms
- Input Validation and Pagination
- Pagination
- Basic Auth with Artisan
- Relationship and Custom Auth

MODULE 11: PROJECT: Build a CRUD Web Application

CONCLUSION

- QA
- Useful Resources
- Feedback