



# Laravel

**Hands on Laravel for PHP Practitioners [90 Hrs]**

**Instructor:** Pondit Team

**E-Mail:**

**Phone:**

## Overview

Laravel is a powerful MVC PHP framework, designed for developers who need a simple and elegant toolkit to create full-featured web applications. Laravel was created by Taylor Otwell. On this course we shall go through Laravel framework in detail and finally will develop a project.

## Audience

This course will guide the developers and students who want to learn how to develop a website using Laravel. This course is particularly meant for all those developers who have no prior experience of using Laravel. But it is expected that the audience have understanding and experience developing with PHP.

## Evaluation

Successful completion of the course requires the completion of a project using laravel.

## Curriculum

### 1. class1

- 1.1. Introduction to Software Development
- 1.2. Introduction to Laravel Framework
- 1.3. Introduction to PHP
- 1.4. Q & A – Open discussion on outline

### 2. class 2

- 2.1. Tools & Environment
- 2.2. IDE
- 2.3. Laragon
- 2.4. Composer
- 2.5. GIT

### 3. class 3

- 3.1. Brief concept on Laravel Architecture

## Prerequisites

We expect that students of this course should have the prior experience with

- HTML5
- PHP Core & Basic PHP

## Course Information

- Duration : 90 Hours
- Day : Sat / Mon / Tues
- Time : 9 am - 11 am
- Reg. Start : Jan 19, 2019
- Reg. End : Feb 1, 2019
- Class Start : Feb 2, 2019

- 3.2. Request Lifecycle
- 3.3. Service Container
- 3.4. Service Providers

#### 4. Class 4

- 4.1. Laravel –I Concept & Route
- 4.2. Folder Structure Overview
- 4.3. Introduction to Route and complete understand of it

#### 5. Class 5

- 5.1. Laravel-II Controllers
- 5.2. Creating Controllers
- 5.3. Routing Controllers
- 5.4. Passing data
- 5.5. Resources and Controllers

#### 6. class 6

- 6.1. Laravel -III Views & Blade Templating
- 6.2. Introduction
- 6.3. Template Inheritance
- 6.4. Defining A Layout
- 6.5. Extending A Layout
- 6.6. Components & Slots
- 6.7. Displaying Data

#### 7. Class 7

- 7.1. Project 1: Convert a HTML Theme into a Laravel Template

#### 8. Class 8

- 8.1. Laravel Fundamentals-IV - Models
- 8.2. Understand Laravel Models
- 8.3. Example Use of a Model

#### 9. Class 9

- 9.1. Laravel Fundamentals -V - Migration
- 9.2. Environment configurations
- 9.3. Migrating
- 9.4. Creating migration and dropping them
- 9.5. Adding columns to existing tables using migrations

#### 10. Class 10

- 10.1. Laravel Fundamentals VI - Database Relationship & Migration
- 10.2. Work on a non-related table

#### 11. Class 11

11.1. One to One relationship

11.2. The inverse relation

12. Class 12

12.1. One to many relationship

12.2. Many to many relationship

12.3. Has many through relationship

12.4. Polymorphic relationship

12.5. Polymorphic relation the inverse

13. Class 13

13.1. Polymorphic relation many to many

13.2. Polymorphic relation many to many - retrieving

14. Class 14

14.1. Laravel VII - CRUD

14.2. CRUD on single entity

15. Class 15

15.1. Database - Eloquent One to One Relationship  
CRUD

15.2. Setting up Relations

15.3. Creating data

15.4. Updating Data

15.5. Reading and deleting data

16. Class 16

16.1. Database - Eloquent One to Many Relationship  
CRUD

16.2. Relationships and mass assignment

16.3. Inserting Data

16.4. Reading Data

16.5. Updating Data

16.6. Deleting Data

17. Class 17

17.1. Database - Eloquent Many to Many Relationship  
CRUD

17.2. Relationships and mass assignment

17.3. Inserting Data

17.4. Reading Data

17.5. Updating Data

17.6. Deleting Data

18. Class 18

18.1. Query Builder and Other Collection Methods

18.2. Attaching, detaching and syncing

18.3. Seeding

19. Class 19

- 19.1. Database - Eloquent Polymorphic Relationship  
CRUD
- 19.2. Relationships and mass assignment
- 19.3. Inserting Data
- 19.4. Reading Data
- 19.5. Updating Data
- 19.6. Deleting Data

## 20. Class 20

- 20.1. Database - Eloquent Polymorphic Many to Many  
Relationship CRUD
- 20.2. Relationships and mass assignment
- 20.3. Inserting Data
- 20.4. Reading and updating data
- 20.5. Deleting Data

## 21. Class 21

- 21.1. Form Validation
- 21.2. Basic validation
- 21.3. Displaying Errors
- 21.4. Advance validation

## 22. Class 22

- 22.1. Authentication – Login, Registration
- 22.2. Creating the login system under 1 minute
- 22.3. Login creation overview
- 22.4. Retrieving authenticated user data
- 22.5. Events

## 23. Class 23

- 23.1. Middleware - Security / Protection
- 23.2. Registering a new middleware and using it
- 23.3. A more practical way to use middlewares 1 -  
roles, migration and relations setup
- 23.4. A more practical way to use middlewares 2 -  
Custom method

## 24. Class 24

- 24.1. Laravel - Sending Email / Api
- 24.2. Email verification
- 24.3. Configuration
- 24.4. Sending email part 1 - route
- 24.5. Sending email part 2 - Finished

## 25. Class 25-30

- 25.1. Project- Photoblog – Defining the sample Project