

Laravel

OVERVIEW & PURPOSE

Laravel is a very popular PHP framework and this course will teach students how to install and handle laravel and wield it to develop powerful and dynamic web applications.

COURSE OUTLINE :- WEB DEVELOPMENT WITH LARAVEL

- ❖ Installing and setting up Laravel
 - Introduction to Laravel
 - Concept of Composer
 - Install and use composer
 - Installing laravel using composer
 - Install & Use of open source distributed version control system GIT
 - Concept and use of Github
 - Configuring Laravel
 - Project Structure
- ❖ Routing
 - Basic Routing
 - Named Routing
 - Grouped Routing
 - Routing Parameter
 - Handling invalid routes
 - Route Filtering with middleware
- ❖ Controllers
 - Introduction
 - Basic Controller
 - Restful Resource Controller
 - Controller Routing
 - Controller Middleware

- ❖ Requests
 - Handling request information
 - Request Inputs
 - Form Inputs
 - Old Inputs
 - Cookies
 - Files
- ❖ Response
 - Attach Headers and Cookies to response
 - Response with View
 - Response with JSON
 - Response with file
- ❖ Database
 - Introduction
 - Migration
 - Schema Building
 - Migration Structure
 - Running Migration
 - Writing Migration
 - Seeding
 - Database Configuration
 - Running Raw SQL queries
- ❖ Model
 - Eloquent ORM
 - Defining Model
 - Retrieving Model
 - Insert and Update Model
 - Eloquent Relationships
 - One to One
 - One to Many
 - Many to Many
- ❖ View
 - Passing Data into View
 - Sharing Datas to all view
 - Blade Template Engine
 - Introduction
 - Template Inheritance

- Data Displaying
- Implement Control Structures
- ❖ Laravel Forms and HTML Components
 - Introduction
 - Basic Usage
 - CSRF Protection
- ❖ Laravel Services
 - Authentication to the Application
 - Configuring Auth Library
 - Moving from laravel 5 to 6 & 7
 - Artisan Console
 - Laravel Helpers
 - Exception Handling and Error Logging
 - Pagination
 - Validations
 - Validation Approaches
 - Validation rules with associating messages
 - Mail
- ❖ Projects we will be doing throughout the course (including jquery components in application)
 - Basic Laravel Website
 - Todo List Application
 - Business Listing
 - Photo Gallery and many more.

