

**Laravel Course Content**

**Duration: 2 Months, 2 hours session**

**OVERVIEW & Installation of Laravel**

* Introduction
* Laravel Features
* LARAVEL INSTALLATION on Windows and Linux machine
* Application Structure

**CONFIGURATION**

* Basic Configuration
* Environmental Configuration
* Database Configuration
* Naming the Application
* Front-end configuration

**ROUTING**

* Basic Routing
* Routing Parameters
* Resource Routing
* Web Routing
* App Routing

**REQUEST**

* Retrieving the Request URI
* Retrieving Input

**RESPONSE:**

* Basic Response
* Attaching Headers
* Attaching Cookies
* JSON Response

**REDIRECTIONS**

* Redirecting to Named Routes
* Redirecting to Controller Actions
* Redirecting to External URL

**VIEWS**

* Understanding Views
* Blade Templates
* Passing Data to Views
* Sharing Data with all Views
* Layout of Blad Template
* Blad Template Directives

**CONTROLLERS**

* Basic Controllers
* Restful Resource Controllers
* Implicit Controllers

**MIDDLEWARE**

* Uses of Default Middleware
* Define Custom Middleware
* Middleware Parameters
* Group Middleware to route
* Operation Before/after middleware

**FORMS**

* Creating Form
* Validating form inputs
* Generating form error messages

**WORKING WITH DATABASE**

**Query Builder**

* Connecting to Database
* Insert Records
* Retrieve Records
* Update Records
* Delete Records
* Bulk Record Operations
* Query Builder
* Migrations
* Pagination

**Eloquent ORM**

* Defining Models
* Creating Relationship
* Accessor & Mutators
* Database query operations

**ERRORS AND LOGGING**

* Errors
* Logging

**COOKIE**

* Creating Cookie
* Retrieving Cookie

**SESSION**

* Accessing Session Data
* Storing Session Data
* Deleting Session Data

**FILE UPLOADING**

* Uploading image, file

**SENDING EMAIL**

* Basic Email
* Template Email

**AJAX**

* Sending form data through Ajax
* Retrieving record through Ajax

**FACADES**

* Uses of default Facades

**SECURITY**

* Authentication
* Authorization
* Encryption
* Password hashing with BCrypt and Argon2

**Artisan Command**

* Creating commands
* Cache removes
* Maintenance

**Live Projects**

* Personalize Blog
* E-commerce for Products