

# Laravel

Duration : 42 Hrs

Pre-Requirement :

- PHP
- OOP
- Database

## Laravel Topic

Topics	Details
<b>Introduction of Laravel PHP Framework</b>	<ul style="list-style-type: none"><li>• Installing Laravel</li><li>• Artisan CLI ( command-line interface )</li><li>• Laravel Directory Structure</li><li>• Configuring a new Laravel project</li><li>• Artisan command to generate boilerplate code for a controller</li><li>• Basic routing</li><li>• Call a controller method from a route</li><li>• Passing variables from controllers to views</li></ul>
<b>HTML Template to Laravel Blade Template</b>	<ul style="list-style-type: none"><li>• Template inheritance</li><li>• Master layout</li><li>• Extending the master layout</li><li>• Displaying variables</li><li>• Blade conditional statements</li><li>• Blade Loops</li><li>• Blade Templates</li><li>• Executing PHP functions in blade</li><li>• Displaying Your Views</li></ul>

	<ul style="list-style-type: none"> <li>• Creating and using a basic views</li> <li>• Loading a view into another view/nested views</li> <li>• Adding assets</li> <li>• Integrating with Bootstrap</li> </ul>
<b>Migrations</b>	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Requirements for running migrations</li> <li>• Artisan migration command</li> <li>• Migration structure</li> <li>• How to create a table using a migration</li> <li>• Laravel migration rollback</li> <li>• Database Seeding</li> <li>• Migrations for our project database</li> </ul>
<b>Using Forms and Gathering Input</b>	<ul style="list-style-type: none"> <li>• Form Building in Laravel</li> <li>• Creating contact us form</li> <li>• Form Validation in Laravel</li> <li>• Sending email</li> <li>• Creating a file uploader</li> <li>• Validating a file uploader</li> <li>• Creating a custom error message</li> </ul>
<b>Creating a registration &amp; user login form</b>	<ul style="list-style-type: none"> <li>• Using Artisan command to create inbuilt user register and login system – Authenticating Your Application</li> <li>• Adding Custom Fields to Registration Form</li> <li>• Creating user profile page</li> </ul>
<b>Admin Panel Setup</b>	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Setup Admin Panel using Bootstrap theme</li> <li>• Create Admin login</li> <li>• Creating an admin authentication system</li> <li>• Encrypting and decrypting data</li> </ul>
<b>Using Controllers and Routes for</b>	<ul style="list-style-type: none"> <li>• Introduction</li> </ul>

<b>URLs and APIs</b>	<ul style="list-style-type: none"> <li>• Creating a basic controller</li> <li>• Creating a route using a closure</li> <li>• Making the controller RESTful</li> <li>• Using route groups</li> <li>• Building a RESTful API with routes</li> <li>• Providers in Laravel</li> <li>• Facades in Laravel</li> <li>• URL Generation</li> </ul>
<b>Eloquent ORM ( Storing and Using Data )</b>	<ul style="list-style-type: none"> <li>• Eloquent ORM Models</li> <li>• Naming conventions</li> <li>• Table name and primary keys</li> <li>• Timestamps</li> <li>• Eloquent ORM INSERT, READ, UPDATE, DELETE</li> <li>• Using models in controllers</li> <li>• Displaying data from models in views</li> <li>• Storage in Laravel (storing files in laravel project)</li> </ul>
<b>Creating and Using Composer Packages</b>	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Downloading and installing packages</li> <li>• Using a basic Shopping Cart package in our project</li> </ul>
<b>Using Ajax and jQuery</b>	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Getting data from another page</li> <li>• Setting up a controller to return JSON data</li> <li>• Creating a JQuery, AJAX comment system</li> <li>• Query builder in Laravel</li> </ul>
<b>Security &amp; Session</b>	<ul style="list-style-type: none"> <li>• Using Security</li> <li>• Sessions Effective</li> <li>• Authentication in Laravel</li> </ul>
<b>Application Training</b>	