



LARAVEL FRAMEWORK FOR BEGINNERS

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Batch-A

WHAT IS LARAVEL?

- Laravel is a framework built using the PHP scripting language. PHP is an open-source server-side language. In other words, it is a backend language responsible for handling and processing data on a website.
- Laravel is a **server-side** framework. It runs on the server, processes user requests and then sends back to the client.
- Laravel comes with many pre-built components, libraries, and tools so developers don't need to build everything from scratch.
- This saves time and effort, enabling them to create powerful applications more efficiently.



PURPOSE

- The purpose of a Laravel beginner's course is to teach learners how to build simple web applications using Laravel.
- It helps them understand Laravel's structure, how to connect pages, work with a database, create web page layouts, and build basic APIs.
- By the end, learners should feel confident in using Laravel to create dynamic, functional, and secure web apps.



ADVANTAGES

- Elegant syntax:** Laravel offers a clean and easy-to-read syntax, making coding faster and more efficient.
- Built-in tools:** It provides pre-built tools and components like authentication, routing, and caching, reducing the need for repetitive coding.
- Simplifies complex tasks:** Laravel simplifies common development tasks like database migrations, session handling, and data validation.
- Scalability:** The framework is flexible and scalable, suitable for small projects as well as large, complex applications.

MVC ARCHITECTURE

- MVC (Model-View-Controller) architecture is a design pattern used in Laravel and many other frameworks to separate an application into three main logical components:
 1. Model
 2. View
 3. Controller
- When a user interacts with the application:
 1. The **Controller** handles the incoming request.
 2. The controller interacts with the **Model** to retrieve or manipulate data as needed.
 3. The controller then sends the data to the **View**, where it is presented to the user in a formatted way.

WEB APPLICATION DEVELOPMENT

- Laravel is a powerful PHP framework based on MVC (Model-View-Controller) architecture.
- The Laravel Framework is used to develop complex Web Applications.
- Laravel can help a developer to develop a secure web application.
- It is a Scalable framework and it also has a wide Community across the world.



CONCLUSION

- Understand Laravel Basics.
- Recognize key folders and their purposes.
- Create models, views, and controllers.
- Define basic and dynamic routes and use middleware.
- Perform CRUD (create, read, update, and delete) operations.
- Use Artisan commands for various tasks.



LARAVEL CERTIFICATE





THANK YOU