

Course Description: This complete PHP Laravel course takes you from PHP basics to advanced Laravel development. Starting with core PHP concepts, you'll progress to Laravel's powerful features including MVC architecture, Eloquent ORM, and artisan CLI. The course covers essential web development skills such as authentication, CRUD operations, API development, and database management. By the end of the course, you'll have the expertise to develop modern, efficient backend solutions using PHP and Laravel, preparing you for professional web development roles in today's tech industry.

PHP Laravel Web Backend Development

1. PHP Fundamentals

- Syntax and data types
- Control structures and functions
- Object-oriented programming in PHP

2. Advanced PHP

- Namespaces and autoloading
- Error handling and exceptions
- Working with files and directories

3. Introduction to Laravel

- Framework overview and setup
- Composer and Artisan CLI

4. Laravel Basics

- MVC architecture
- Routing and middleware
- Blade templating engine

5. Database Management

- Migrations and seeders
- Eloquent ORM
- Query builder

6. Authentication and Authorization

- Built-in authentication system
- Custom authentication
- Gates and policies

7. CRUD Operations

- Resource controllers
- Form validation
- File uploads

8. Relationships

- Eloquent relationships
- Eager loading

9. API Development

- RESTful API design
- API authentication (Passport, Sanctum)
- API resources and transformers

10. Testing

- PHP unit testing
- Laravel feature and unit testing
- Database testing

11. Caching and Queues

- Cache implementation
- Job queues and workers

12. Deployment and Optimization

- Deployment strategies
- Performance optimization techniques