15 Days (Introduction to PHP + Laravel)

Objective:

- Gain basic knowledge of PHP and an introduction to Laravel for modern web development.

Syllabus:

1. **Day 1-2:** Introduction to Web Development
   a. Overview of PHP and Laravel.
   b. Setting up the environment (XAMPP/WAMP, Composer, Laravel installation).
2. **Day 3-6:** PHP Basics
   a. Variables, data types, and control structures.
   b. Functions, arrays, and error handling.
3. **Day 7-9:** Working with Databases
   a. Introduction to MySQL.
   b. Basic CRUD operations using PHP (MySQLi/PDO).
4. **Day 10-12:** Introduction to Laravel
   a. Laravel framework overview.
   b. Directory structure and artisan commands.
5. **Day 13-15:** Hands-On Project
   a. Create a simple Laravel application (e.g., a task manager).

30 Days (Beginner-Level PHP + Laravel Development)

Objective:

- Build foundational skills in PHP and Laravel for web application development.

Syllabus:

1. **Week 1:** Advanced PHP
   a. OOP in PHP (classes, objects, inheritance).
   b. File handling, sessions, and cookies.
2. **Week 2:** Laravel Basics
   a. Routing and controllers.
   b. Blade templating engine and basic layouts.
3. **Week 3:** Database and Eloquent ORM
   a. Database migrations and seeders.

b. Working with Eloquent ORM for database operations.
4. **Week 4:** Basic Project
    a. Build a basic Laravel CRUD application with authentication.

45 Days (Intermediate-Level PHP + Laravel Development)

Objective:

- Develop dynamic applications with advanced Laravel features.

Syllabus:

1. **Week 1-2:** Advanced Laravel Features
    a. Middleware and route protection.
    b. Form validation and error handling.
2. **Week 3:** API Development
    a. Building RESTful APIs with Laravel.
    b. Authentication using Passport or Sanctum.
3. **Week 4:** Real-Time Features
    a. Event broadcasting and notifications.
    b. Using WebSocket for real-time updates.
4. **Week 5:** Intermediate Project
    a. Build a blog application with Laravel (backend + frontend).

60 Days (Advanced PHP + Laravel Development)

Objective:

- Master Laravel and PHP for building complex applications.

Syllabus:

1. **Week 1-2:** Advanced PHP Concepts
    a. Design patterns (MVC, Singleton, Factory).
    b. Error and exception handling, debugging.
2. **Week 3-4:** Advanced Laravel
    a. Advanced relationships and querying in Eloquent.
    b. Queue management and job processing.
3. **Week 5:** Testing and Optimization
    a. Unit testing with PHPUnit.
    b. Performance optimization and caching.

4. **Week 6:** Advanced Project
   a. Build an e-commerce platform with Laravel.

90 Days (Comprehensive PHP + Laravel Development)

Objective:

- Achieve a deep understanding of PHP and Laravel to develop robust, scalable applications.

Syllabus:

1. **Week 1-4:** Advanced Laravel Features
   a. File uploads, storage, and image manipulation.
   b. Multi-language support and localization.
2. **Week 5-6:** Security and Payment Integration
   a. Securing applications (XSS, CSRF, SQL injection).
   b. Payment gateway integration (Stripe, PayPal).
3. **Week 7:** Deployment
   a. Deploying Laravel applications on shared hosting or cloud (AWS, DigitalOcean).
   b. CI/CD setup for Laravel projects.
4. **Week 8-9:** Full-Stack Application
   a. Build a comprehensive multi-user application (e.g., Learning Management System).

180 Days (Expert-Level PHP + Laravel Development)

Objective:

- Become an expert in PHP and Laravel by developing enterprise-grade applications.

Syllabus:

1. **Month 1-3:** Mastering Laravel
   a. Advanced API development (rate limiting, API versioning).
   b. Building modular applications and using Laravel packages.
2. **Month 4-5:** Large-Scale Application Development
   a. Multi-tenancy applications.
   b. Advanced database optimization and indexing.

3. **Month 6:** Capstone Project and Industry Readiness
    a. Develop an enterprise-grade SaaS application.
    b. Code reviews, resume building, and mock interviews.