

1-Year PHP, Laravel & Node.js Full-Stack Development Course – Compact Module Structure

Module 1: Fundamentals of Web Development (Month 1-2)

- Web Development Introduction (Frontend + Backend)
- PHP Basics: Syntax, Variables, Data Types, Operators
- Control Structures (If, Loops, Switch), Functions & Arrays
- Git & GitHub Basics (Version Control)

Module 2: Core PHP + Node.js Basics (Month 3-4)

- Setting up Environment (XAMPP/MAMP, Composer, npm, Git)
- PHP: PDO & MySQLi, CRUD Operations, Sessions & Cookies, Form Handling
- Node.js: Intro, npm Packages, Basic Server, REST Basics
- Error Handling & Debugging (PHP & Node.js)
- Authentication & Authorization (Login System in PHP + JWT in Node.js)

Module 3: OOP PHP + Express.js (Month 5-6)

- PHP OOP: Classes, Objects, Inheritance, Interfaces, Traits
- MVC Architecture Basics (PHP Mini Project)
- Node.js: Express.js Framework, Middleware, Routing
- Connecting Node.js with MySQL/MongoDB
- API Development (PHP & Node.js both)

Module 4: Laravel & Advanced Node.js (Month 7-8)

- Laravel: Routing, Middleware, Blade, Controllers, Models, Migrations
- Eloquent ORM Relationships (One-to-One, One-to-Many, Many-to-Many)
- Authentication (Laravel Breeze/Jetstream/UI)
- Node.js: RESTful APIs with Express, File Uploads, Authentication (JWT)
- Real-time Features with Socket.io

Module 5: Advanced Projects (Month 9-10)

- Laravel: Mail, Notifications, Queues, File Uploads
- Node.js: Payment Gateway Integration (Stripe/PayPal)
- Role-Based Access Control (Admin/User)
- Live Projects: E-commerce (Laravel + Node.js API), LMS / CRM (Full-Stack Integration)

Module 6: Portfolio & Career Preparation (Month 11-12)

- Deploying Laravel & Node.js (Shared Hosting, VPS, Heroku, Forge)
- API Testing Tools (Postman, Thunder Client)
- Git & GitHub (Branching, PRs, Collaboration)
- Portfolio Building (Laravel + Node.js Projects Showcase)
- Resume & CV Preparation (Creative & Professional Formats)
- Personal Branding (LinkedIn, GitHub, Portfolio Website)
- Interview Preparation & Freelancing Tips