



PHP Web Development Course Details

◆ Course Overview

This PHP course is designed to teach you how to build dynamic, database-driven websites and web applications.

You will learn PHP fundamentals, MySQL integration, form handling, sessions, authentication, and real-world project development.

◆ What You Will Learn

1. Introduction to PHP

- What is PHP?
 - How server-side programming works
 - Installing XAMPP / WAMP
 - PHP syntax
 - Variables & data types
 - Operators
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2. PHP Basics

- Conditional statements
 - Loops
 - Arrays
 - Functions
 - Superglobals (`$_GET`, `$_POST`, `$_FILES`, `$_SESSION`, `$_COOKIE`)
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3. Working With Forms

- Creating HTML forms
- Form validation
- File upload handling



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- Error messages
 - Sending email from forms
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4. PHP & MySQL Database

- Database connection (MySQLi / PDO)
 - CRUD operations (Create, Read, Update, Delete)
 - Displaying data on pages
 - Searching & filtering
 - Pagination
 - Prepared statements (security)
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5. Authentication System

- Login / Signup
 - Password hashing
 - Sessions
 - Cookies
 - Logout system
 - Dashboard creation
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6. Advanced PHP Concepts

- Include & require
- PHP OOP (Object-Oriented Programming)
- Classes & objects
- Inheritance
- Constructor & destructor



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- Using external PHP libraries
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7. Building Admin Panels

- Admin login
 - Managing users
 - Managing products/pages
 - File/image upload system
 - Role-based access
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8. APIs & JSON

- JSON encode/decode
 - REST APIs with PHP
 - Fetching API data
 - Creating your own API endpoints
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9. Security in PHP

- SQL injection prevention
 - XSS & CSRF prevention
 - Form sanitization
 - Safe file upload system
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10. Deployment

- Moving project to live server
- Hosting with cPanel
- Environment configuration



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◆ Tools You Will Use

- VS Code / Sublime
 - XAMPP / WAMP
 - phpMyAdmin
 - Git & GitHub
 - Postman (for API testing)
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◆ Projects You Will Build

- Contact form system
 - Login/Signup system
 - Blog/News website
 - E-commerce admin panel
 - Full dynamic website (final project)
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◆ Course Duration

- 4 to 6 weeks (with practice and projects)
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◆ Who Can Join

- Complete beginners
- Students
- Aspiring web developers
- Anyone who wants to learn backend development