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► PHP (6 months Industrial Training) Course Structure

First Month: Basic PHP Programming Language

- Introduction to PHP
- PHP syntax
- Embedding PHP in HTML
- Installing XAMPP/WAMP/MAMP
- Configuring the PHP development environment
- Basic PHP script execution
- Variables and data types
- Constants
- Arithmetic, comparison, and logical operators
- If, else, switch statements
- For, while, do-while loops
- Defining and calling functions
- Arrays: indexed, associative, and multidimensional

Month 2: HTML, CSS, and JavaScript Fundamentals

- Structure of HTML documents
- HTML elements, attributes, and semantic markup
- Advanced HTML and Forms
- HTML5 elements (e.g., <article>, <section>, <nav>)
- Forms and form elements (<form>, <input>, <select>, <text area>)
- CSS syntax, selectors, and properties
- Box model (margin, border, padding)
- Styling with CSS
- CSS layout techniques (floats, flexbox, grid)
- Responsive design principles (media queries)
- Introduction to JavaScript (variables, data types, operators)
- Control structures (if statements, loops)
- Intermediate JavaScript
- Functions and scope
- DOM manipulation (selecting elements, modifying content and styles)

Month 3: MySQL Database Training Using PHP

- MySQL Basics
- PHP and MySQL Connection
- Executing SQL Queries in PHP
- Error Handling and Transactions
- Advanced SQL Queries in PHP
- Working with Data in PHP
- Stored Procedures and Functions
- PHP ORM (Object-Relational Mapping)
- Advanced Topics and Project Work

Fourth Month: Web Development with PHP

- Basic web technologies: HTML, CSS, JavaScript
- Client-server architecture
- Creating and processing HTML forms
- Form validation techniques
- Using sessions and cookies to manage user state
- File uploading and handling files in PHP
- Integrating Bootstrap with PHP projects
- Responsive design principles

Fifth Month: PHP with Laravel

- Overview of the Laravel framework
- Installing Laravel using Composer
- Laravel directory structure and configuration
- Basic routing in Laravel
- Creating and using controllers
- Passing data to views
- Introduction to Blade templating engine
- Creating and using Blade templates
- Introduction to Eloquent ORM
- Basic CRUD operations with Eloquent

Sixth Month: Advanced PHP and Final Project

- Working with APIs and web services
- Integrating third-party libraries and frameworks (Laravel,)
- Authentication and authorization in web applications
- Creating RESTful services
- Consuming RESTful APIs
- Optimizing PHP code for performance.

Final Project Development

- Defining project scope and requirements
- Setting up project repositories and tools
- Implementing the project

Project Presentation and Portfolio Building

- Testing and debugging the final project
- Preparing project presentations
- Demonstrating projects to potential employers or clients
- Building a portfolio to showcase your skills and expertise



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