



Advanced PHP and MySQL

Industrial Training

(2 MONTHS)



PH : +91 9785513736,+91 7023084065
E-Mail : info@justaddwater.in

13,Vikas path, road no 1,
behind geejgarh vihar,
near neelkanth heights apt.,
22 Godam

www.justaddwater.in

Course Overview - Learn Everything You Need to Know about Web Development Even If You've Never Programmed Before!

- The course starts with the basics. You will learn the tips and tricks to work effortlessly with web technologies like HTML, CSS.
- Apply interactivity to a site using programming fundamentals in JavaScript.
- Once you're doing that in your sleep, I'll show you how to build your own responsive websites using more advanced techniques such as jQuery PHP, MySQL and Twitter Bootstrap.
- You gain an understanding of how the web works and customize their sites using their own designs and ideas.

Live Project - Your Mentor will Play Multiple Roles

- Client - provide you with project requirements, and expect you to apply what you've learned to create new project from scratch.
- Experienced guide - helping you decide the best approach and pair-programming and debugging when you get stuck.
- Team Member - learn to coordinate, pair-program with a partner, and manage code across a team using GitHub.
- Career Mentor - get advice and insight on entrepreneurial and career goals.
- The final project is to design and build a website of your choice using HTML/CSS and JavaScript. This project tests your knowledge of how to structure, style, and make your site interactive. The result is a site that can be used in your portfolio.

Target Audience

- Programmers or non-programmers.
- Aspiring Developers.
- Entrepreneurs.
- Students.

Prerequisites

- No prior coding experience required.



Set up your development environment

- Basic operation with the command line.
- Introduction to your text editor.
- Installation of Web server (xampp).

Section 1: HTML - The Static Web Page Creation

- Your First Web Page.
- Finding a Proper Code Editor.
- Lists
- Parent-child Relationships.
- Heading Tags.
- Blockquotes.
- Anchors.

Section 2: CSS - The Presentation Semantics

- Your First Stylesheet.
- Clean Project Structures.
- Images
- The Necessity of Divs.
- Ids and Classes.
- An Assignment.
- Floats and a simple Layout.

Section 3: Advanced in HTML/CSS

- Navigation Lists.
- An Introduction to Forms.
- Image Replacement.
- The Basics of Typography.
- The Difference between Relative and Absolute Positioning.
- Reproduce a Website Fragment.
- The Importance of Validation.

Section 4: Learn By Doing Project

- Creating the Markup.
- How to Slice a PSD
- How to create Snippets.
- The CSS for our Website.
- Completing the website.



Section 1: JavaScript - The Interpreted Programming Language

- Interpreted Programming Languages
- Integrating JavaScript with HTML
- Variables in Javascript
- Operators in Javascript
- Expressions in Javascript
- Arrays in Javascript
- Handling Loops & Decision structures

- Working with Functions

Section 2: JQuery - Write Less Do More...

- Introduction to jQuery.
- Traversing the DOM.
- Working with the DOM.
- Listening to DOM Events.
- Styling.
- Event Manipulation Methods .
- Sliding, Easing, Fading, Toggling.
- jQuery and AJAX calls .
- JSON .



Section 1: PHP – Understanding the Preliminaries.

- Introduction to web & internet.
- Introduction to server.
- Understanding localhost server .
- Starting PHP.
- PHP syntax and variables.
- Operators and Expressions.
- Conditional Branching and Looping Statements.
- Learning Arrays in PHP.

Section 2: PHP - The Core Logics and Techniques.

- String and Math functions in PHP
- Introduction HTML Form Elements and Fields
- Accessing PHP, HTTP Data
- Query Strings and Hyperlinks
- Describing Pre-Defined Variables - Super Global Arrays
- Understanding Functions, Important PHP Functions
- What are the Scope of variables
- Usage of Include and require statements

Section 3: PHP – File Handling. The Plain Repository of Data

- Handling files and directories in PHP
- Fetching information from files
- Uploading and downloading files

Section 4: PHP and MySQL - The Structured Repository

- PHP MySQL Connectivity
- Integrating Web Forms and Database
- Using PHP's MySQL Extension
- Using PHP's PDO Extension

Section 5: Learn More Advanced Techniques in PHP

- Introduction to Object Oriented Programming
- Classes and Objects
- Abstraction, Encapsulation, Inheritance and Polymorphism
- Constructors and Destructors
- Overloading, Overriding of functions
- Exception Handling
- Regular Expressions
- Session Handling
- Using Cookies

Section 6: Working with XML and JSON

- Introduction to XML
- How to Integrate PHP and XML
- Introduction to JSON
- Building a Sample Web Application

Section 7: Content Management Systems

- Knowing Content Management System
- Introducing a CMS
- Knowing how to configure the CMS
- Working with the CMS
- Sample Web Application Development using Wordpress

Section 8: CodeIgniter Framework

- Introduction to PHP Frameworks
- Working with CodeIgniter Framework
- MVC architecture in CodeIgniter

Section 9: Bootstrap

- Bootstrap Overview and Installation.
- The Grid System.
- Layouts and Responsive Design.

