



# PHP Training

Develop Dynamic Websites and Master Back-End Programming

## Target Audience



Any professional wishing to go beyond the basics of PHP

## Prerequisites



- Basic knowledge of PHP recommended
- No mandatory technical prerequisites

## Objectives



- Understand the fundamentals of PHP and web programming
- Interact with HTML forms and handle server-side data
- Connect to a database using PDO and perform secure queries
- Apply object-oriented programming (OOP) principles in projects
- Manage user sessions and secure user inputs
- Create a small dynamic project (site with back office)

## Duration



6 days – 42 hours

## Teaching Methods



- Alternating practical exercises and theoretical input
- Training led by an expert instructor
- Digital materials provided

## Assessment



- Evaluation at the beginning and end of the training
- Preparation for PHP certification (optional)
- Certificate of completion



## Program

### 1. Introduction to PHP

- Setting up the development environment (local server)
- Basic syntax, PHP/HTML integration
- First dynamic script

### 2. Core structures

- Variables, arrays, conditions, loops
- Simple user-defined functions

### 3. Object-Oriented Programming (OOP)

- Creating classes, properties, and methods
- Concepts of encapsulation, inheritance, and instantiation

### 4. Handling HTML forms

- Data retrieval, validation, and filtering
- File upload and input security

### 5. Database connection (PDO)

- Secure connection
- CRUD queries (Create, Read, Update, Delete)
- Preparing queries with user input

### 6. Sessions & cookies

- Creating sessions and persistent variables
- Basic authentication (login/logout)

### 7. Final project

- Creating a small dynamic website with a database
- Admin interface, secure forms, public area
- Commented code and good structuring practices