



## PHP / MYSQL TRAINING COURSE MODULES

### PHP Training Course Modules

#### Introduction to PHP MySQL (Module 1)

- Introduction to Dynamic Websites
- What is Scripting ?
- Introduction to PHP
- Introduction to MySQL
- Configuring and Testing software.
- XAMPP and WAMPP Installation

#### HTML Concepts (Module 2)

- Markup Languages
- Syntax of HTML
- HTML Tags
- HTML Forms
- Form Elements
- CSS Basics

#### PHP Programming (Module 3)

- Syntax of PHP
- Embedding PHP in HTML
- Embedding HTML in PHP
- Introduction to PHP Variable
- Using PHP Variables
- Understanding Data Types
- Using Operators
- Writing Statements and Comments
- Using Conditional Statements

#### PHP Functions (Module 4)

- PHP Functions
- Creating an Array
- Modifying Array Elements
- Processing Arrays with Loops
- Grouping Form Selections with Arrays



## PHP / MYSQL TRAINING COURSE MODULES

- Using Array Functions
- Using Predefined PHP Functions
- Creating User-Defined Functions
- Defining and Invoking Functions

### **PHP Advanced Concepts (Module 5)**

- Reading and Writing Files
- Reading Data from a File
- Writing Data to a File
- Testing File Attributes.
- Managing Sessions and Using Session Variables
- Creating a Session and Registering Session Variables
- Destroying a Session
- Storing Data in Cookies
- Setting Cookies
- Retrieving Cookie Data
- Dealing with Dates and Times
- Executing External Programs.

### **Introduction to MySQL Database ( Module 6)**

- Understanding an RDBMS
- Understanding a Relational Database
- Introduction to MySQL Database
- Understanding Tables, Records, and Fields
- Understanding Primary and Foreign Keys
- Understanding SQL and SQL Queries
- Understanding Database Normalization
- Using the MySQL Command-Line Client

### **Working with MySQL Database (Module 7)**

- Creating MySQL Databases
- Creating Tables & Specifying Field Data Types
- Selecting the Most Appropriate Data Type
- Adding Field Modifiers and Keys
- Selecting a Table Type
- Altering Tables and Field Names



## PHP / MYSQL TRAINING COURSE MODULES

- Altering Field Properties
- Adding and Removing Fields and Keys
- Altering Table Types
- Backing Up and Restoring Databases and Tables
- Dropping Databases and Tables
- Viewing Database, Table, and Field Information
- Using PHPmyAdmin Tool

### **SQL and Performing Queries (Module 8)**

- Inserting Records
- Editing and Deleting Records
- Performing Queries
- Retrieving Specific Columns
- Filtering Records with a WHERE Clause
- Using Operators
- Sorting Records and Eliminating Duplicates
- If(), else if() and else if condition Statement
- Switch() Statements
- Using the while() Loop
- Using the do() Loop
- Using the for() Loop
- Limiting Results
- Using Built-In Functions
- Grouping Records
- Joining Tables
- Using Subqueries
- Using Table and Column Aliases

### **Working with PHP & MySQL (Module 09)**

- Managing Database Connections
- Performing Queries
- Processing Result Sets
- Queries Which Return Data
- Queries That Alter Data
- Handling Errors
- Using Ancillary Functions



## PHP / MYSQL TRAINING COURSE MODULES

### Java Script (Module 10)

- Introduction to Java Script
- Variables, operators, loops
- Using Objects, Events
- Common java script functions
- Java Script Validations

### Live PHP Project (Module 11)

- Project Discussion
- Requirements analysis of Project
- Project code Execution
- Project Testing