

PROFESSIONAL TRAINING COURSE



4 Days Course on
**Web Application Development
Using PHP and MySQL**



ApacheMySQL™



Basic to Intermediate Course



Two Sigma Technologies

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About the Course

PHP can be used to create interactive dynamic websites and its rapidly gaining in popularity because of it a flexible, cross-platform technology that provides amazingly powerful features. During this five-day course, participants will learn fundamental terms and techniques necessary for producing useful and realistic PHP applications. This course is designed to give participants the knowledge to develop/maintain HTML/PHP code that utilizes the MySQL Database system. Through a hands-on approach, this instructor-led course will help the participants improve PHP skills and combine them with time-proven database management techniques to create best-of-breed web applications that are dynamic efficient, and solid.

Prerequisites

Basic knowledge in HTML, Basic Programming

Target Audience

Software Developers who want to learn how PHP and MySQL can be used for the rapid prototyping and deployment of dynamic websites.

Course Settings

Venue/Date	Refer to Training Calendar
Timings	0900-1700
Inclusive	Certificates and notes
Course Fee	Contact Us at sales@2-sigma.com
Audience	IT Officer, Web Developer and Programmer
Level	Basic to Intermediate

PHP & MySQL (Basic-to-Intermediate) – Schedule

Day 1	
9.00am – 10.00am	PHP Overview <ul style="list-style-type: none">• What is PHP?• The history of PHP• Why choose PHP?• Installation overview Windows Installation <ul style="list-style-type: none">• Overview• Installing XamppServer• Finding the document root• Configuring PHP• Configuring MySQL• Text editor
10.00am – 10.30am	Breakfast
10.30am – 1.00pm	First Steps <ul style="list-style-type: none">• Embedding PHP code on a page• Outputting dynamic text• The operational trail• Inserting code comments Exploring Data Types <ul style="list-style-type: none">• Variables• Strings

	<ul style="list-style-type: none"> • Constants • Arrays • Associative arrays
1.00pm – 2.00pm	Lunch
2.00pm – 5.00pm	<p>Control Structures: Logical Expressions</p> <ul style="list-style-type: none"> • If statements • Else and elseif statements • Logical operators • Switch statements <p>Control Structures: Loops</p> <ul style="list-style-type: none"> • While loops • For loops • Foreach loops <p>User-Defined Functions</p> <ul style="list-style-type: none"> • Defining functions • Function arguments • Returning values from a function • Scope and global variables
Day 2	
9.00am – 10.00am	<p>Building Web Pages with PHP</p> <ul style="list-style-type: none"> • Links and URLs • Using GET values • Encoding GET values • Encoding for HTML
10.00am – 10.30am	Breakfast
10.30am – 1.00pm	<ul style="list-style-type: none"> • Including and requiring files • Modifying headers • Page redirection • Output buffering <p>Working with Forms and Form Data</p> <ul style="list-style-type: none"> • Building forms • Detecting form submissions • Single-page form processing • Validating form values • Problems with validation logic • Displaying validation errors • Custom validation functions • Single-page form with validations
1.00pm – 2.00pm	Lunch
2.00pm – 5.00pm	<p>Working with Sessions</p> <ul style="list-style-type: none"> • Sessions <p>MySQL Basics</p> <ul style="list-style-type: none"> • SQL Overview • MySQL insert • MySQL Read • MySQL Update • MySQL Update <p>Using PHP to Access MySQL</p> <ul style="list-style-type: none"> • Connecting to MySQL with PHP • Retrieving data from MySQL • Working with retrieved data • Creating records with PHP

	<ul style="list-style-type: none"> • Updating and deleting records with PHP • SQL injection & Escape string for MySQL
Day 3	
9.00am – 10.00am	Building a Content Management System (CMS) <ul style="list-style-type: none"> • Blueprinting the application • Building the CMS database • Establishing your work area
10.00am – 10.30am	Breakfast
10.30am – 1.00pm	<ul style="list-style-type: none"> • Creating and styling the first page • Making page assets reusable • Connecting the application to the database Using Site Navigation to Choose Content <ul style="list-style-type: none"> • Adding pages to the navigation subjects • Refactoring the navigation • Selecting pages from the navigation • Highlighting the current page • Moving the navigation to a function
1.00pm – 2.00pm	Lunch
2.00pm – 5.00pm	Application CRUD <ul style="list-style-type: none"> • Finding a subject in the database • Refactoring the page selection • Creating a new subject form • Processing form values and adding subjects • Passing data in the session • Validating form values • Creating an edit subject form • Using single-page submission • Deleting a subject • Cleaning up • Assignment: Pages CRUD • Assignment results: Pages CRUD
Day 4	
9.00am – 10.00am	Building the Public Area <ul style="list-style-type: none"> • The public appearance • Using a context for conditional code • Adding a default subject behaviour • The public content area • Protecting page visibility
10.00am – 10.30am	Breakfast
10.30am – 1.00pm	Regulating Page Access <ul style="list-style-type: none"> • User authentication overview • Admin CRUD • Creating a login system • Checking for authorization • Creating a logout page
1.00pm – 2.00pm	Lunch
2.00pm – 5.00pm	Conclusion

More Information

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To register, please email to sales@2-sigma.com or fax the registration form to 03-61880602, we will contact you for further action.