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Malaysia Ministry of Finance (MOF)
Registered Company

HRDF
Approved
Training
Provider

Course Name   : Fast Track: Zend PHP Basics to Advanced
Duration   : 4 Days
Skill Level   : Beginner

Course Description :
This Official PHP basics to advanced course is designed for those who want to learn PHP language from basics to advance level from PHP 5.* to PHP 7. This course utilizes the new PHP 7 features and language constructs with a hands-on approach with numerous examples and practical exercises to enhance practical learning.

MODULE 1: INTRODUCTION
- Welcome
- What you need to know?

MODULE 2: PHP LANGUAGE BASICS
- PHP Language Basics
- Syntax & Quotes
- Comments
- Special Characters
- Data Types & Precedence
- Symbols
- Variables & Constants
- Arrays
- Operators & Conditionals

MODULE 3: PHP FUNCTIONS & FILE HANDLING
- Functions
- Function Design Tools
- File System (Handling)
- Commonly Used file Functions
- File System Performance

MODULE 4: PHP WEB CONCEPTS
- Client/server Communications
- How to Embed PHP into HTML
- How to Embed HTML into PHP
- Cookies & Sessions
- $_GET and $_POST

MODULE 5: PROJECT 1
- Coding an Order Inquiry Application

MODULE 6: ADVANCED WEB CONCEPTS
- Server Communication

- HTTP Headers
- Output Buffering
- Browser Caching
- Cookies
- Sessions
- Email
- Forms

MODULE 7: OBJECT ORIENTED PROGRAMMING
- Classes
- Static Context
- Visibility (PPP)
- Overriding Functions
- Interfaces
- Cloning
- Namespaces

MODULE 8: ADVANCED DATABASE HANDLING
- Relational Databases
- SQL and MySQL
- Connecting PHP and MySQL
- PDO
- Stored Procedures
- Transactions

MODULE 9: CRITICAL ASPECTS OF BUILDING PHP APPLICATIONS
- Testing and Debugging
- Troubleshooting Procedures: Development
- phpDocumentor, PHPDoc
- Exceptions
- Web Services
- Performance Enhancements
- Security and Validation

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Rynet Malaysia Sdn. Bhd. (899837-K)
95-2, Block H, The Suites, Jaya One, 72A, Jalan Universiti, 46200 Petaling Jaya,Selangor, Malaysia.
Phone: +603-7623-1088 | Fax: +603-7660-9393

MODULE 10: PROJECT 2
- Coding an E-Commerce Application

MODULE 11: PHP 7 FROM PROGRAMMERS
PERSPECTIVE
- PHP 7 History and Performance
- Deprecations & Removals
- Changes & Improvements
- PHP 7 New Features
- Spaceship & Null Coalescing Operator
- Anonymous Classes with New Class ()
- Unicode CodePoint Escape Syntax
- Type Declarations

MODULE 12: CONCLUSION
- QA
- Useful PHP Resources
- Feedback

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