



Course Brochure

PHP with MySQL

Overview

• PHP is server side script which helps in developing secured websites. PHP is available to individuals with minimal investment. And as it's very light as net its recognized as light weigh server side script.

Pre-requisites

• Knowledge of HTML, Java Script, VB Script, CSS is advantage for page designing which is optional pre-requisites.

Applications

- ❖ Web Application Development
- ❖ Introduction to PHP & MySQL
- ❖ Installation & Configuration
- ❖ WAMP, LAMP, MAMP, XAMPP

HTML

- ❖ HTML History
- ❖ Basics of HTML
- ❖ Text Formatting Tags
- ❖ Computer Output Tags
- ❖ Citations, Quotations and Definition Tags
- ❖ HTML Styles
- ❖ Links
- ❖ Images & Image Maps
- ❖ Tables
- ❖ Lists
- ❖ HTML Forms
- ❖ HTML Frames

Cascading Style Sheets

JavaScript

- ❖ Introduction
- ❖ Data types
- ❖ Variables & Operators
- ❖ Control & Condition Statements
- ❖ Arrays
- ❖ Functions
- ❖ JavaScript & HTML
- ❖ Event Handlers
- ❖ Form Validations
- ❖ Working with Objects & DOM

PHP Language Reference

- ❖ Introduction to Scripting
- ❖ Basic Syntax
- ❖ Types
- ❖ Variables – Basics, Predefined Variables, Variable Scope,
- ❖ Constants
- ❖ Expressions
- ❖ Operators
- ❖ Condition Statements
- ❖ Control Statements
- ❖ Arrays & Array Functions
- ❖ String Handling
- ❖ User-defined Functions
- ❖ Date Functions
- ❖ Built-in Functions
- ❖ PHP Forms

Object Oriented Programming in PHP

- ❖ Class & Objects
- ❖ Constructors & Destructors
- ❖ Overloading Member Functions
- ❖ Inheritance
- ❖ Overriding Members
- ❖ Members Visibility
- ❖ Scope Resolution Operator
- ❖ Static & Constant Members
- ❖ Abstract Class
- ❖ Interfaces
- ❖ Polymorphism
- ❖ Object Iteration
- ❖ Magic Methods
- ❖ Final Keyword
- ❖ Object Cloning
- ❖ Object Serialization

- ❖ Exception Handling
- ❖ Working with Files & Directories
- ❖ Handling File Uploads
- ❖ Authentication with PHP
- ❖ Session Tracking
- ❖ E-mail Services
- ❖ Using PHP from the Command Line
- ❖ GUI Application Development using PHP
- ❖ OS Commerce
- ❖ PHP Zip file functions
- ❖ Google Map API

MySQL

- ❖ Database Management
- ❖ RDBMS
- ❖ Introduction to MySQL Database
- ❖ Database Creation
- ❖ Data Definition Language
- ❖ Data Manipulation Language
- ❖ Data Retrieval Language
- ❖ MySQL Data Types
- ❖ Constraints
- ❖ Views
- ❖ Subqueries
- ❖ PHP with MySQL
- ❖ Working with Oracle, SQL Server etc

XML

- ❖ Introduction to XML
- ❖ DTD
- ❖ XSD
- ❖ XSL
- ❖ Tree based Parser
- ❖ Event based Parser
- ❖ Working with DB

PHP & AJAX

- ❖ AJAX Introduction
- ❖ XMLHttpRequest
- ❖ AJAX Examples

Webservices

- ❖ Interoperability
- ❖ SOAP
- ❖ Setting up the PEAR SOAP Module
- ❖ WSDL file
- ❖ Decoding the WSDL file
- ❖ Examples

JOOMLA

- ❖ Content Management System
- ❖ Installation
- ❖ Setting up a JOOMLA Site
- ❖ Module Manager
- ❖ JOOMLA Components
- ❖ User Administration
- ❖ Plug-in Manager
- ❖ Template Manager
- ❖ JOOMLA Extensions
- ❖ Backing up and/or Restoring JOOMLA Site

DRUPAL

- Introduction
- Installation
- Basic site configuration
- Site Maintenance
- Themes
- Content
- User Administration
- Modules

- ❖ Drupal Projects
- ❖ Using Input Filters
- ❖ Managing Comments
- ❖ Defining custom content types with CCK
- ❖ Stopping Spam using CAPTCHA
- ❖ Using a SYSIWYG text editor
- ❖ Launching your site

Wordpress

- ❖ Introduction
- ❖ Installation
- ❖ Posts, Category, Comments
- ❖ Themes
- ❖ Wordpress Plugins

Application Development & Deployment

- SDLC
- Using WHM
- Using Cpanel
- Using FileZilla
- Using Mercury Mail Server
- Using Putty

PECL Modules with PEAR Package Manager

Zend Framework

- ❖ Introduction
- ❖ Installation & Configuration
- ❖ MVC
- ❖ Performance
- ❖ Diagnosis & Maintainability
- ❖ Infrastructure
- ❖ Forms
- ❖ Filtering & Validation
- ❖ Internationalization
- ❖ Authentication & Access
- ❖ Security
- ❖ Database
- ❖ Search
- ❖ Mail
- ❖ URL Routing & Controllers
- ❖ Webservices
- ❖ How to be a Zend Framework Certified Engineer?

jQuery

- Introduction
- jQuery Seletors
- jQuery Event functions
- jQuery Effects
- jQuery Custom Animations
- jQuery Callback Functions
- jQuery HTML Manipulations
- jQuery CSS Manipulations
- AJAX and jQuery