**1POINTER TECHNOLOGY**

*marching towards future*

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## PHP COURSE BROCHURE

# COURSE CONTENTS (Core PHP)

## Introduction to PHP

- ❖ Evaluation of Php
- ❖ Basic Syntax
- ❖ Defining variable and constant
- ❖ Php Data type
- ❖ Operator and Expression

## Handling Html Form With Php

- ❖ Capturing Form Data
- ❖ Dealing with Multi-value filed
- ❖ Generating File uploaded form
- ❖ Redirecting a form after submission

## Decisions and loop

- ❖ Making Decisions
- ❖ Doing Repetitive task with looping
- ❖ Mixing Decisions and looping with Html

## Function

- ❖ What is a function
- ❖ Define a function
- ❖ Call by value and Call by reference
- ❖ Recursive function

## String

- ❖ Creating and accessing String
- ❖ Searching & Replacing String
- ❖ Formatting String
- ❖ String Related Library function

## Array

- ❖ Anatomy of an Array
- ❖ Creating index based and Associative array
- ❖ Accessing array Element
- ❖ Looping with Index based array
- ❖ Looping with associative array using each() and foreach()
- ❖ Some useful Library function

## Working with file and Directories

- ❖ Understanding file& directory
- ❖ Opening and closing a file
- ❖ Coping ,renaming and deleting a file
- ❖ Working with directories
- ❖ Building a text editor
- ❖ File Uploading & Downloading

## State management

- ❖ Using query string(URL rewriting)
- ❖ Using Hidden field
- ❖ Using cookies
- ❖ Using session

## String matching with regular expression

- ❖ What is regular expression
- ❖ Pattern matching in Php
- ❖ Replacing text
- ❖ Splitting a string with a Regular Expression

## Generating Images with PHP

- ❖ Basics of computer Graphics
- ❖ Creating Image
- ❖ Manipulating Image
- ❖ Using text in Image

# COURSE CONTENTS (Web Designing)

## Database Connectivity with MySql

- ❖ Introduction to RDBMS
- ❖ Connection with MySql Database
- ❖ Performing basic database operation(DML) (Insert, Delete, Update, Select)
- ❖ Setting query parameter
- ❖ Executing query
- ❖ Join (Cross joins, Inner joins, Outer Joins, Self joins.)

## HTML

- ❖ Introduction to HTML
- ❖ HTML Tags
- ❖ Creating Forms
- ❖ Creating tables
- ❖ Managing home page

## CSS

- ❖ Introduction to CSS
- ❖ Three ways to use CSS
- ❖ CSS Properties
- ❖ Designing website
- ❖ Working with Templates

## Java Script

- ❖ Introduction to Javascript
- ❖ Three ways to use Javascript
- ❖ Working with events
- ❖ Client-side Validation

## Jquery

- ❖ Introduction to JQuery
- ❖ Validation using JQuery
- ❖ JQuery Forms
- ❖ JQuery Examples

## AJAX

- ❖ Introduction to AJAX
- ❖ PHP with AJAX
- ❖ Working with

# COURSE CONTENTS (Advance PHP)

## Introduction to OOPS

- ❖ Introduction
- ❖ Objects
- ❖ Declaring a class
- ❖ The new keyword and constructor
- ❖ Destructor
- ❖ Access method and properties using $this variable
- ❖ Public ,private, protected properties and methods
- ❖ Static properties and method
- ❖ Class constant
- ❖ Inheritance & code reusability
- ❖ Polymorphism
- ❖ Parent:: & self:: keyword
- ❖ Instance of operator
- ❖ Abstract method and class
- ❖ Interface
- ❖ Final

## Exception Handling

- ❖ Understanding Exception and error
- ❖ Try, catch, throw

## Introduction to CakePHP

- ❖ Understanding the MVC Pattern Model
- ❖ How MVC works?
- ❖ Configuration CakePHP
- ❖ Setting up CakePHP with apache Environment eg. Enable mod rewrite
- ❖ Configuration CakePHP to work with database
- ❖ Running Cake for the first time
- ❖ Cake Convention: Naming convention for MVC and database tables

## Models: Creating up model for a database table

- ❖ Fetching data
- ❖ Saving and updating data
- ❖ Deleting data
- ❖ User defined function in model
- ❖ Data Validation

## Controller: Creating controller

- ❖ Controller function
- ❖ Interacting with model
- ❖ Interacting with views
- ❖ Controller variables and parameters
- ❖ Redirection
- ❖ Getting post data

## Views: Creating Views

- ❖ Working with configuration layout
- ❖ Creating custom layout
- ❖ Element and helpers

## Cake session

- ❖ Storing data in cake session
- ❖ Reading a session data
- ❖ Delete data from session

# COURSE CONTENTS (All Framework and CMS)

## WordPress Introduction

- ❖ Understanding and Using domain names
- ❖ WordPress Hosting Options
- ❖ Installing WordPress on a Dedicated Server
- ❖ Understanding Directory Permissions

## Basics of the WordPress User Interface

- ❖ Understanding the WordPress Dashboard
- ❖ Pages, Tags, Media and Content Administration
- ❖ Core WordPress Settings

## Finding and Using WordPress Plugins

- ❖ Finding and Installing Plugins Quickly and Easily
- ❖ Upgrading WordPress Plugins
- ❖ Recommended WordPress Plugins

## Working with WordPress Themes

- ❖ Understanding the Structure of WordPress Themes
- ❖ Finding Themes and Choosing the Right One
- ❖ Installing and Configuring Themes
- ❖ Editing and Customizing Themes
- ❖ Using Theme Frameworks and Parent-Child Themes
- ❖ Theme Best Practices

## WordPress Content Management

- ❖ Understanding Posts Versus Pages
- ❖ Organizing Posts with Categories
- ❖ Connecting Posts Together with Tags
- ❖ Custom Post Types and Custom Taxonomies
- ❖ Managing Lists of Links

## Creating and Managing Content

- ❖ Hands-On Training on the WordPress Editors
- ❖ Hands-On Training on the New Image Editor

## Framework

- ❖ CodeIgniter
- ❖ CakePHP

## CMS

- ❖ WordPress
- ❖ Joomla!
- ❖ Drupal
- ❖ Magento (E-commerce )