

## Web Development With Advanced PHP

### Week 1-- HTML

- ✓ HTML Introduction
  - ✓ HTML Editors
  - ✓ HTML Basic
  - ✓ HTML Elements
  - ✓ HTML Attributes
  - ✓ HTML Headings
  - ✓ HTML Paragraphs
  - ✓ HTML Formatting
  - ✓ HTML Links
  - ✓ HTML Head
  - ✓ HTML CSS
  - ✓ HTML Images
  - ✓ HTML Tables
  - ✓ HTML Lists
  - ✓ HTML Blocks
  - ✓ HTML Layout
  - ✓ HTML Forms
  - ✓ HTML Iframes
  - ✓ HTML Colors
  - ✓ HTML Colornames
  - ✓ HTML Colorvalues
  - ✓ HTML JavaScript
  - ✓ HTML Entities
  - ✓ HTML URL Encode
  - ✓ HTML Quick List
  - ✓ HTML Summary
  - ✓ HTML XHTML

### HTML5

- ✓ HTML5 Intro
- ✓ HTML5 New Elements
- ✓ HTML5 Canvas

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- ✓ HTML5 SVG
- ✓ HTML5 Drag/Drop
- ✓ HTML5 Geolocation
- ✓ HTML5 Video
- ✓ HTML5 Audio
- ✓ HTML5 Input Types
- ✓ HTML5 Form Elements
- ✓ HTML5 Form Attributes
- ✓ HTML5 Semantic
- ✓ HTML5 Web Storage
- ✓ HTML5 App Cache
- ✓ HTML5 Web Workers
- ✓ HTML5 SSE

## CSS

- ✓ CSS Basic
  - ✓ CSS HOME
  - ✓ CSS Introduction
  - ✓ CSS Syntax
  - ✓ CSS Id & Class
  - ✓ CSS How To
  - ✓ CSS Backgrounds
  - ✓ CSS Text
  - ✓ CSS Fonts
  - ✓ CSS Links
  - ✓ CSS Lists
  - ✓ CSS Tables

## Week-2--

### CSS Box Model

- ✓ CSS Box Model
- ✓ CSS Border
- ✓ CSS Outline
- ✓ CSS Margin
- ✓ CSS Padding

### CSS Advanced

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- ✓ CSS Grouping/Nesting
  - ✓ CSS Dimension
  - ✓ CSS Display
  - ✓ CSS Positioning
  - ✓ CSS Floating
  - ✓ CSS Align
  - ✓ CSS Pseudo-class
  - ✓ CSS Pseudo-element
  - ✓ CSS Navigation Bar
  - ✓ CSS Image Gallery
  - ✓ CSS Image Opacity
  - ✓ CSS Image Sprites
  - ✓ CSS Media Types
  - ✓ CSS Attr Selectors
- ✓ CSS3 Introduction
- ✓ CSS3 Borders
- ✓ CSS3 Backgrounds
- ✓ CSS3 Gradients
- ✓ CSS3 Text Effects
- ✓ CSS3 Fonts
- ✓ CSS3 2D Transforms
- ✓ CSS3 3D Transforms
- ✓ CSS3 Transitions
- ✓ CSS3 Animations
- ✓ CSS3 Multiple Columns

## Week-3--

### JavaScript introduction

- ✓ What is JavaScript
- ✓ Understanding Events
- ✓ JavaScript Example
- ✓ External JavaScript

### Basic Elements

- ✓ Comment ✓ Variable
- ✓ Global Variable
- ✓ Data Types
- ✓ operators

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- ✓ If Statement
- ✓ Switch
- ✓ Loop: for and while
- ✓ Function

## JavaScript Objects

- ✓ JavaScript objects
- ✓ JavaScript Array

## Browser Object Model

- ✓ Browser Objects
- ✓ Window Object
- ✓ Document Object
- ✓ getElementById
- ✓ getElementsByName
- ✓ getElementsByTagName
- ✓ innerHTML property
- ✓ inner Text property

## JavaScript Validation

- ✓ form validation
- ✓ email validation

## Week-4--

## PHP Syllabus

### Core PHP

### Introduction to PHP

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- ✓ 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

## Week-5--

### 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

## Week-6--

### 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.)

## 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

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- ✓ Class constant
- ✓ Inheritance & code reusability
- ✓ Polymorphism
- ✓ Parent:: & self:: keyword
- ✓ Instanceof operator
- ✓ Abstract method and class
- ✓ Interface
- ✓ Final

## Exception Handling

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

## Framework- Cake PHP

### Introduction to CakePHP

- ✓ Understanding the MVC Pattern Models
- ✓ 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



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- ✓ 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

## CMS- Wordpress

### WordPress Introduction

- ✓ Understanding and Using domain names
- ✓ WordPress Hosting Options

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- ✓ 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

## All Frameworks and CMS

### Framework

- ✓ CodeIgniter
- ✓ CakePHP

### CMS

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