

# PHP Syllabus

## Overview Of PHP

- How to Install Xampp & Wamp tools
- Static and Dynamic Web Pages
- How PHP Work
- Server-Side / Client-Side Scripting
- Role of Apache & MySQL Server
- PHP Capabilities & Advantages
- How to Configure php.ini
- PHP vs .NET

## Webdesigning Concepts

- Learn basic HTML Tags
- Creating Static Web Pages
- Tables & Frames
- Learn how to manage text, fonts and paragraphs
- Hyperlinks & relative URL

## PHP Functions

- Why to create Functions
- Defining Functions
- Variable Scope
- Passing parameter to Functions
- Returning Values
- Global variable
- Passing Arguments by Value and Reference
- The include, include\_once and Require Statement
- Difference between include and Require

- Built-in PHP Functions

## PHP Array

- What are Arrays?
- Character & Numeric Indexing
- Auto Indexing
- Counting & Sorting Array Elements
- Array Search
- Array Functions
- Sending Array from static Page
- Handling HTML Form Data as an Array

## Dynamic Scripts

- Page Redirection at run time
- Managing Login Screen
- Uploading images and files at server
- File Download from web server
- Handling PHP Cookies
- Dynamic Email

## Working with Databases and Forms

- Introduction to PHP MyAdmin Panel
- PHP Database Creation
- Understanding table structure
- Go through with SQL Queries
- crud operation in mysql
- Handling multiple tables in PHP-MySQL
- MySQL Joins and Views
- Importing and Exporting data through SQL script
- Connectivity to remote server

## Java Script

- Introduction to Java Script
- Java Script Validations
- Handling Form Elements
- Managing Run time CSS by Java Script
- External JS
- Menus

## PHP ZEND Framework

- Zend Application Structure
- Concept of Model-View-Controller (MVC)
- Zend Views
- PHP Zend Controller

## How MVC Works

- MVC Model
- Actions in Zend Controller
- Data-Flow from view to Controller
- Data-Flow from Controller to View
- Zend URL Structure
- Database Connectivity
- Listing MySQL Data
- Zend Editing Form
- Deleteing data

## Wordpress CMS

- Wordpress Web Design & Development
- Creating menu Pages
- Blog Posting
- Access Wordpress Database
- Creating Wordpress Registration/Feedback Form
- How to design Wordpress plugins
- Wordpress Hooks
- Wordpress Theme Development

# Basic Programming in PHP

- PHP Scripting Blocks
- How to embed in HTML
- Data Types & Variable Declaration
- Conditional Statements
- Looping Constructs while,for etc

## Styling through CSS

- Introduction to Cascading Style Sheets
- Basic Format of CSS
- External CSS
- inline CSS and style block
- How to manage DIV,span and Layout
- CSS3 Effects

## Receiving data from HTML Forms

- Form creation
- Understanding method \$\_GET , \$\_POST and \$\_REQUEST
- Receiving Data at Server
- Sending Artificial data from HTML
- Formated Response by PHP
- Dynamic data manipulation
- Handling Null Values
- Generating Dynamic Web Page by HTML Input

## Working with PHP Sessions

- Session Overview
- How Session Work
- Global Session Variables
- Session and Array
- Expiring Session
- Session Storage

## Files in PHP

- Reading Files
- Writing Files
- File Functiond
- Creating Directory
- Extract data from files

## Configuring and Using MySQL

- Fetching MySQL data from PHP forms
- Creating registration forms
- managing Secure Login Screens
- Receiving Character and numeric indexes
- Learn PHP SQL Functions
- Implementation of all crud operation
- Search data in MySQL
- PHP Paging script

## Using Cookies with PHP

- Purpose of Cookies
- Setting Cookies
- Retrieving Cookies

## How CAKE PHP Work?

- Introduction to CakePHP
- CakePHP naming convention
- How Client-Server Request Work
- Handling request from CakePHP Views
- Listing data from MySQL table
- Passing arguments from view to cakephp controller
- How to Design Web Layout?
- A hand on cakephp Theme generation
- How to manage cakePHP Actions

- Database Interaction in CakePHP
- Data Insertion by mvc helper classes

## Codeigniter

- Understanding data flow & Architecture
- Communication b/e view and controller
- Connectivity with MySQL database
- Data Validation
- Saving & Regestring Data
- Receiving Data from MySQL
- CRUD Operation
- Login Panel