



## PHP Syllabus

### 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

## 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

## 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.)

### Mini Project

### JQuery

Introduction to JQuery  
Validation using JQuery  
JQuery Forms  
JQuery Examples

### AJAX

Introduction to AJAX  
PHP with AJAX  
Working with database

### Mini Project

## 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

## 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  
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- Word press**

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

## **All Frameworks and CMS**

Framework

CodeIgniter

CakePHP

CMS

WordPress

Joomla!

Drupal

Magento (E-commerce )