

# Syllabus Of 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

## Mini Project (With file Handling)

### 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

### 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

# Web Designing

## 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 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
- ✓ Instanceof operator
- ✓ Abstract method and class
- ✓ Interface
- ✓ Final

## Exception Handling

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