



## PHP Syllabus

### ❖ 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
- Copying, 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

## ❖ 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

## 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

