



# Certificate in PHP Programming

Duration : 240 Hrs / 3 Months

## 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

## 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