

PHP

Overview: The **PHP Hypertext Preprocessor (PHP)** is a programming language that allows web developers to create dynamic content that interacts with databases. PHP is basically used for developing web based software applications. This tutorial helps you to build your base with PHP.

PHP started out as a small open source project that evolved as more and more people found out how useful it was. Rasmus Lerdorf unleashed the first version of PHP way back in 1994. **PHP** is a **MUST** for students and working professionals to become a great Software Engineer specially when they are working in Web Development Domain.

Course Objectives

- Understand the PHP and technical concepts behind PHP
- Structure a PHP application in modules
- Understand and use the Session and Cookies
- Understand Arrays
- Understand the built-in modules Json, Date time, Regular Expression
- Use built-in methods
- Understanding file handling and exception handling
- Connect to mySQL database

Module 1:- Introduction to PHP

- ❖ Evaluation of Php
- ❖ Basic Syntaxes
- ❖ Defining variable and constant
- ❖ PHP Data type
- ❖ Operator and Expression

Module 2:- Handling Html Form with PHP

- ❖ Capturing Form Data
- ❖ Dealing with Multi-value filed
- ❖ Generating File uploaded form

Module 3:- Decisions and loop

- ❖ Making Decisions
- ❖ Doing Repetitive task with looping
- ❖ Mixing Decisions and looping with Html

Module 4:- String

- ❖ Creating and accessing String
- ❖ Searching & Replacing String
- ❖ Formatting String
- ❖ String Related Library function

Module 5:- 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

Module 6:- 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

Module 7:- State management

- ❖ Using query string(URL rewriting)
- ❖ Using Hidden field
- ❖ Using cookies
- ❖ Using session

Module 8:- String matching with regular expression

- ❖ Dates and Times
- ❖ Advanced Data and Time Management
- ❖ Random Numbers
- ❖ The Math Library

Module 9:- 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 method
- ❖ Inheritance & code reusability

Module 10:- Exception Handling

- ❖ Handling Exception
- ❖ Try catch block
- ❖ Finally block

Module 11:- Database Connection

- ❖ 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.

At the end of the course participants will be able to do some assignments and Mini Project