



## Programming & development Course Curriculum



## Core PHP

### Module 1: Introduction to PHP

Module Goals: In this part we learn the basics of PHP like syntax, variables, control structures etc. which are the basic building blocks of PHP

#### Topics

PHP Syntax  
HTML Syntax  
Language Constructs & Functions  
Echo, Include, Require  
Variables  
Data Types  
Language Functions  
Data Types

### Module 2: Operators

Module Goals: In this part we learn all about the operators which can be used in PHP.

#### Topics

PHP Operators  
Arithmetic  
Logical  
Binary  
Ternary Operators  
Operators Reference



## Module 3: Control Structures

Module Goals: Knowing conditionals and loops is very important in PHP as they change the flow of your application. We will learn them in this part.

Topics

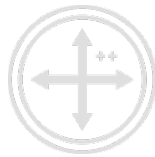
If...Else...Elseif  
Switch  
While  
Do-While  
For  
Foreach Loop

## Module 4: Variable Scope

Module Goals: In this module we understand the concepts variable scope

Topics

Variable Scope  
Super Global



## Module 5: Arrays and Forms

Module Goals: In this part we learn about Array and sorting them in PHP. We also get an understanding how to work with Forms and create the most used ones like: Loginform, Sign up form etc.

Topics

Arrays  
Indexed Arrays  
Associative Arrays  
Multidimensional Arrays  
Sorting Arrays  
Forms - Handling  
Forms Validation



## Module 6: Files and Directories

Module Goals: In this part we will learn how to work with files and directories in PHP. We will get an understanding of how Cookies and Sessions are used to improve the overall web site performance and experience.

Topics

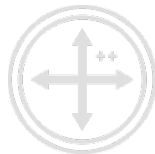
File  
File Upload  
Cookies  
Sessions  
E-mail

## Module 7: Errors and Exceptions

Module Goals: In this part we understand the need of error handling.

Topics

Errors  
Error handling  
Exception  
Filters



**POSITIVE QUADRANT**  
TECHNOLOGIES  
SERVING INFORMATION WORLDWIDE

## Module 8: Database

Module Goals: In this module we will work on database operations like create, update, delete, read etc.

Topics

MySql Connect  
Database CRUD Operations  
Queries  
Joins  
Prepared Statements

## Module 9: XML, AJAX and Web services



Module Goals: In this modules we learn how to create web services in PHP that can be consumed by other applications.

Topics

XML  
XPath  
JSON  
Ajax  
Webservices Basics

## Project Discussion

Module Goals: This module covers a detailed description of real online hotel room booking dynamic PHP website. In this we'll discuss the complete scope of project including payment integration.

Topics

Project description  
Project Architecture  
Database details  
User interface  
Admin interface

