

**PHP**

**COURSE CODE: MOOCCSE-A07**

**DURATION: 8 Weeks**

**Course Prerequisites:**

Basic Knowledge of Computer

**Learning Outcomes:**

Some basic concept of computers.

**Course Description:**

You will learn the concept of programming using php & project from scratch.

**COURSE DETAILS**

**MODULE 1: Introduction & environment setup**

**TOPIC 1: Introduction**

- Lecture 1.1: Overview details of programing & Web Development
- Lecture 1.2: Installation of XAMPP on windows
- Lecture 1.3: Installation of XAMPP on mac.
- Lecture 1.4: phpstrom installation on windows
- Lecture 1.5: phpstrom installation on mac.

**MODULE 2: PHP Basics**

**TOPIC 1: Introduction PHP Basics**

- Lecture 1.1: Syntax of php.
- Lecture 1.2: Data types in php.
- Lecture 1.3: Variables in php.
- Lecture 1.4: Our first program in php.
- Lecture 1.5: Task for addition
- Lecture 1.6: Solution of addition

**MODULE 3: Operators in PHP**

**TOPIC 1: Introduction of Operators in PHP**

- Lecture 1.1: Use of concatenation.
- Lecture 1.2: Addition & subtraction of numbers.
- Lecture 1.3: Divide, multiply of numbers & modules.

**MODULE 4: Condition statements in PHP**

**TOPIC 1: Introduction Condition statements in PHP**

- Lecture 1.1: Logical & Comparison operators.
- Lecture 1.2: If Statements
- Lecture 1.3: If Else statements
- Lecture 1.4: Else If Statements
- Lecture 1.5: Task for greetings
- Lecture 1.6: Solution of greetings

**MODULE 5: Loops & Iterations in PHP**

**TOPIC 1: Introduction of Loops & Iterations in PHP**

Lecture 1.1: For Loops  
Lecture 1.2: While Loops  
Lecture 1.3: Foreach Loops  
Lecture 1.4: Do-While Loops  
Lecture 1.5: Break & continue

**MODULE 6: Pre-defined & Custom functions in PHP**

**TOPIC 1: Introduction Of Pre-defined & Custom functions in PHP**

Lecture 1.1: Function definition  
Lecture 1.2: Parameters in functions  
Lecture 1.3: Global Variables  
Lecture 1.4: Call by value  
Lecture 1.5: Call by reference.  
Lecture 1.6: Default arguments  
Lecture 1.7: Variable arguments  
Lecture 1.8: Arrays  
Lecture 1.9: Strings

**MODULE 7: HTML forms in PHP**

**TOPIC 1: Introduction of HTML forms in PHP**

Lecture 1.1: Basics of HTML  
Lecture 1.2: Form Creation & Sublimations  
Lecture 1.3: HTTP Methods in php  
Lecture 1.4: Validation of html forms  
Lecture 1.5: Form Example

**MODULE 8: Object oriented programing in PHP**

**TOPIC 1: Introduction of Object-oriented programing in PHP**

Lecture 1.1: Classes & Object  
Lecture 1.2: Constructors  
Lecture 1.3: Inheritance in OOPS