



## PHP

Duration: 3 Months

### Introduction to web technology

- Web application
- Web server
- Client and Server
- Scripting languages

### HTML 5

- Introduction & History
- Basic tags and attributes
- HTML5 New Elements
- HTML5 Input Types
- HTML5 Form Elements
- HTML5 Form Attributes
- HTML5 Canvas
- HTML5 SVG
- HTML5 Video
- HTML5 Audio

### CSS 3

- Selectors
- Box Model
- Backgrounds and Borders
- Image Values and Replaced Content
- Text Effects

### JavaScript

- Introduction to JavaScript
- Variables
- Operators
- Data type conversion
- Functions
- Conditional statements and Loops
- Form manipulation
- Validation

### MySQL

- Introduction to database
- MySQL datatypes
- DML and DDL
- Aggregate functions
- Sub query and join



## PHP Basics

- XAMPP
- Syntax
- Operators
- Variables
- Control Structures
- Language Constructs and Functions
- Configure php.ini
- C-URL Functions

## Functions

- Arguments
- Variables
- References
- Returns
- Variable Scope

## Strings & Patterns

- Quoting
- Matching
- Extracting
- Searching
- Replacing
- Formatting

## Arrays

- Enumerated arrays
- Associated arrays
- Multidimensional arrays
- Array functions

## Web Features

- Sessions
- Forms
- GET and POST data
- Cookies
- HTTP Headers



## [HTTP Authentication](#)

### **OOPS in PHP**

- OOPS concepts
- PHP classes and objects
- Constructors and destructors
- Inheritance
- Static method and properties
- Method overloading
- Interface

### **Exception handling**

- Try-catch-throw

### **Database Programming**

- PHP and MYSQL
- Mysql functions
- External file inclusion:
- Include, include\_once, require, require\_once
- One tier architecture
- Two tier Architecture
- Three tier Architecture

### **File programming**

- File Operations
- Working with Directories
- File uploading and downloading