

# PHP Syllabus

## **Introduction**

Introduction to PHP  
Introduction to Web application  
Intranet / internet  
Server and client  
Web page  
HTML and DHTML  
Script  
What is PHP?  
History of PHP  
Versions and Differences between them  
Practicality  
Power  
Why PHP?

## **Installation and configuring**

Apache, MySQL, PHP  
XAMPP  
WAMP  
LAMP  
Client Server Configuration  
Document Root  
Local host  
Dreamweaver  
Sublime  
Port, IP

## **HTML**

What is HTML?  
HTML with PHP  
HTML data types  
HTML / HTML 5 Tags

## **Style Sheet / CSS**

What is Style Sheet?  
Why Style Sheet  
Declaration of Style Sheet  
Apply Style Sheet  
Style Attributes  
CSS 3  
Advance CSS3

## **JavaScript**

Introduction  
JavaScript declaration  
Syntax and Comments  
Variables, Operators Control structure  
Functions in JavaScript  
Events  
DOM  
DOM Variable  
XMLHttpRequest and ActiveX Object  
Response Text and responseXml  
Cookie

## **JQuery**

Introduction  
Features of JQuery  
Steps to use JQuery  
Functions  
Action/Event  
Selectors

## **Ajax**

What is Ajax?  
Synchronous and asynchronous  
\$.Ajax, \$.post, \$.get  
Ajax with XML

## **Bootstrap**

Introduction  
Setting of Bootstrap  
Grid System  
Responsive Helper  
Text, Button, Icon, Menu etc.  
Customize Bootstrap

## **PHP Basics**

Default Syntax  
Styles of PHP Tags  
PHP Page  
Comments in PHP  
Php Page and HTML page  
Output functions in PHP  
Configuration Settings  
Error Types  
Datatypes in PHP

|  |  |
|--|--|
|  |  |
|--|--|

## Variable in PHP

Variable Declarations  
Variable Scope  
Scalar Type Compound Type  
Special Type  
Variable Variables  
Scalar type declarations.  
PHP's Super global Variables  
\$\_GET  
\$\_POST  
\$\_REQUEST  
\$\_FILES  
\$\_SERVER  
\$\_ENV  
\$GLOBALS  
global

## Cookie and Session

What is state management?  
Types of State Management  
\$\_COOKIE  
Why Cookies  
Types of Cookies  
How to Create and Access Cookies  
\$\_SESSION  
Session Variables Creating and Destroying a Session  
Retriving and Setting the Session ID  
Encoding and Decoding Session Data  
Auto-Login, Remember Me feature  
Recently Viewed Document Index

## Module 12- Conversion

Type conversion in php  
CType  
Functions  
is\_integer, is\_boolean etc.

## Module 13- Control Statements

Execution Control Statements  
Conditional Statements  
if-else, switch-case, while,  
do-while, for, foreach, break,

## Operators

Arithmetic Operators  
Comparison Operators  
Logical Operators  
Assignment Operators  
Scope Resolution Operators  
Null coalescing operator  
Spaceship operator

## Functions

What is Function?  
Creating Functions  
Nested Function  
Passing Arguments by Value  
Passing Arguments by Reference  
Returning values  
Returning an array  
Variable function  
Recursive Functions  
Predefined function  
Helper Functions  
Return type declarations

## String with Functions

Declarations styles of String Variables  
Searching & Replacing String  
Creating and accessing String  
Formatting String  
Related Library function

## MBSTRING

Introduction  
Functions  
Encoding  
Decode  
Replace  
Match  
Search  
Position  
Split  
Case conversion  
Substring

|  |   |
|--|---|
| continue, return, exit, die, include,<br>include_once, require,<br>require_once, declare   | <b>Date Time with Functions</b><br>PHP Date () Function<br>Get a simple date<br>Get your time zone<br>Create date with PHP mktime()   |
| <b>Arrays</b><br>What is an Array?<br>How to create an Array<br>Numeric Array.<br>Associative Array<br>Different types of arrays available in PHP<br>Traversing Arrays<br>PHP array functions<br><b>OOPS in PHP</b><br>What is OOPS?<br>Class, Object, Inheritance,<br>Polymorphism, abstraction,<br>Encapsulation<br>Concepts of object.<br>Constructor & destructor<br>Static, Constant & Global<br>Constants in PHP<br>Magic Constants<br>Standard Pre-defined Constants<br>User defined Constants<br>Define function<br>Magic Method _set() , __construct() etc.<br>Object Cloning and Copy<br>Reflections<br>Namespace<br>Anonymous classes<br><b>Database [MySQL]</b><br>Introduction to database?<br>What is information and data?<br>How to maintain database.<br>What is MySQL?<br>Integration with MySQL<br>Storage Engines<br>MySQL functions<br>DBMS<br>SQL<br>PHP My Admin<br>Security database | <b>SQL</b><br>DDL commands<br>DML Commands<br>DCL Command<br>TCL Commands<br>Question and Answer<br><b>PHP with MySQL</b><br>Connection with MySQL<br>Command<br>Execute<br>Fetch<br>Insert, delete, and update records<br>Security<br>.ini file<br>OOPS with MySQL<br>PHP MySQL functions<br><b>Login Module</b><br>Registration code<br>Login code<br>Forget password code<br>Change password code<br>Logout Code<br>Count no of visitors visits your webpages.<br><b>Image Manipulation</b><br>GD Library<br>Functions of GD Library<br>Blank image<br>Recourse of an image<br>Filtering an image<br>Image format, size<br>Create thumb size image<br>Uploading an image<br>Resize an image<br>Compress an image<br>Cropping an image<br><b>File Handling and OS</b><br>File and directory |

|  |   |
|--|---|
|  | <p>Open, close, Read, write, append, delete</p> <p>Uploading and downloading files.</p> <p>File exists</p> <p>File Size</p> <p>Rename</p> <p>Display all files present in a directory.</p> <p>Reading and displaying all images present inside a directory.</p> |
| <p>Displaying all titles inside a directory of pages.</p> <p>Create Directories and Manipulate them</p> <p>Information about Hard Disk</p> <p>Calculating File, Directory and Disk Sizes</p> <p>File Uploading and Downloading using Headers</p> <p><b>Error and Exception Handling</b></p> <p>Error Logging</p> <p>Error Reporting</p> <p>Types of Exceptions</p> <p>Diff. between Exception &amp; Error</p> <p>Throwing an Exception</p> <p>PHP's Exception Class</p> <p>Custom Exception</p> <p>Re-throwing an Exception</p> <p>Try, catch</p> <p><b>CMS</b></p> <p>Introduction</p> <p>Introduction CDA</p> <p>Introduction CMA</p> <p>Custom CMS</p> <p><b>WordPress [CMS]</b></p> <p>What is WordPress?</p> <p>Installation steps</p> <p>POST , Media , Comment</p> <p>Page , Menu , Header and footer</p> <p>Theme ,Plugin</p> <p>Widgets</p> <p>Visual composer</p> <p>WooCommerce</p> |   |