

Web Development Training Syllabus

1. Core PHP+MYSQL(Level -1)

Introduction:

- ✚ What is PHP
- ✚ PHP is better than its alternatives
- ✚ Hardware and Software requirements
- ✚ What a PHP Script Looks Like
- ✚ Advantages of PHP

Getting Started With PHP:

- ✚ How PHP scripts work
- ✚ Basic PHP syntax
- ✚ PHP data types
- ✚ PHP Variables
- ✚ Operators in PHP
- ✚ Conditional Statements
- ✚ Loops (If, If else and Switch)

SuperGlobals:

- ✚ \$_GET
- ✚ \$_POST
- ✚ \$_REQUEST
- ✚ \$_FILES
- ✚ \$_SESSION
- ✚ \$_COOKIES
- ✚ \$_SERVER
- ✚ \$_ENV

String Manipulation:

- ✚ String Variables in PHP
- ✚ The Concatenation Operator
- ✚ The strlen() function
- ✚ The strpos() function
- ✚ Joining and Splitting String
- ✚ Comparing String

Working with array:

- ✚ Types of Arrays
- ✚ Creating Arrays
- ✚ Accessing Arrays
- ✚ Single-Dimensional Arrays
- ✚ Multidimensional Arrays

PHP Function:

- ✚ User-Defined Functions
- ✚ Inbuilt functions

Working with Forms

Designing a Form
\$_GET and \$_POST
HTML and PHP code

User Input
Form Validation

MYSQL Database (Level -1):

MYSQL Database

What is Database
Database Models
Tables, Records, and Fields
SQL Language
MySQL Command-Line

Working with PHPMyAdmin

Working with PHPMyAdmin
Creating Databases
Database Engines
Datatypes in MySQL
Creating Fields
Unique Key

Working with PHPMyAdmin

Delete Record
Update Record
View Record
Drop Database/Tables
Primary / Foreign Keys
Insert Record

2. Advanced PHP Programming (Level -2)

Cookies

- ✚ What is a Cookie
- ✚ Cookie Syntax
- ✚ How to Create a Cookie
- ✚ Storing data in Cookies
- ✚ How to Retrieve a Cookie Value
- ✚ How to Delete a Cookie

PHP File Upload

- ✚ Create an Upload-File Form
- ✚ Create the Upload Script
- ✚ Restrictions on Upload
- ✚ Saving the Uploaded File

PHP File Handling:

- ✚ Opening a File
- ✚ Closing a File
- ✚ Check End-of-file
- ✚ Reading a File Line by Line
- ✚ Reading a File Character by Character

Session:

- ✚ What is Session
- ✚ Creating Sessions
- ✚ Storing a Session Variable
- ✚ Destroying a Session

Classes & Object

- ✚ Object oriented concepts
- ✚ Define a class
- ✚ Class attributes
- ✚ An object
- ✚ Creating an Object
- ✚ Object properties
- ✚ Object Methods
- ✚ Object constructors and destructors
- ✚ Static Method
- ✚ Class Inheritance
- ✚ Abstract Class
- ✚ Implement Inheritance

Intergration to SQL with PHP Application (Level-2)

SQL

Basics of SQL
SQL Syntax
CRUD Operations
Insert Command
Retrieving data from Database
Retrieving data with specific criteria
Updating records
Alter table structure
Deleting the records
Dropping tables

PHP MySQL Integration with SQL

How to PHP MySQL Integration Works?
Creating a database connection
Selecting the DB
Inserting data in database
Inserting data with a File
retrieving all records
retrieving specific record
searching the records
updating records
eleting the records

3. Live PHP/.NET Project Implementation

Project Requirement Analysis

Setup of Template

Frontend Module:

User Registration

Verification Techniques

Login with Sessions + Cookies

View Content

User Redirection script

Adding Captcha to Forms

Administrator Panel

Admin Login

View Users List

Add / Edit / Delete Users

Add Content on Site

Edit / Update Content on Site

PHP MYQL Resources

PDF Material and Live Examples

Useful PHP Scripts

Useful Java Scripts

Interview Questions and Answers

Placement Preparation/Mock Test/ weekly Performance test for each Module.