

Syllabus for Summer Training in “Web development using PHP”

Detailed Syllabus

1. Basics of HTML

Introduction, Basic Structure of HTML, Head Section and Elements of Head Section, Formatting Tags: Bold, Italic, Underline, Strikethrough, Div Tag, Anchor, Image Tag, Paragraphs, Comments, Tables, Lists: Ordered List , Unordered List ,html Forms.

2. Introduction to PHP

Evaluation of Php, Basic Syntax, Defining variable and constant, Php Data type, Operator and Expression.

3. Decisions and loop

Making Decisions, Doing Repetitive task with looping, Mixing Decisions and looping with HTML.

4. Function

What is a function, Define a function, Call by value and Call by reference, String Creating and accessing, String Searching & Replacing String, Formatting String, String Related Library function

5. Array

Anatomy of an Array, Creating index based and Associative array Accessing array, Element Looping with Index based array, Looping with associative array using foreach(), Some useful Library function.

6. Handling Html Form with Php

Capturing Form, Data Dealing with Multi-value filed, and Generating File uploaded form, redirecting a form after submission.

7. Working with file and Directories

Understanding file & directory, Opening and closing, a file, Coping, renaming and deleting a file, working with directories, Creating and deleting folder, File Uploading & Downloading.

8. Session and Cookie

Introduction to Session Control, Session Functionality What is a Cookie, Setting Cookies with PHP. Using Cookies with Sessions, Deleting Cookies, Registering Session variables, Destroying the variables and Session.

9. Database Connectivity with MySql

Introduction to RDBMS, Connection with MySql Database, Performing basic database operation(DML) (Insert, Delete, Update, Select), Setting query parameter, Executing query-Join (Cross joins, Inner joins, Outer Joins, Self joins.)

10. Exception Handling

Understanding Exception and error, Try, catch, throw. Error tracking and debugging.

11. One Mini Web project using the PHP With MySQL.