PHP

Introduction to PHP

- Web Architecture
- Overview of PHP Platform
- Origins of PHP in the open source community
- Why we use PHP?
- Some of PHP's strengths:
- Some of PHP's main competitors are PERL, Microsoft ASP.NET, JavaServer Page
- Availability across multiple platforms
- Installing as a module for Apache Web Server

CRUD operations.

- Accessing command line arguments from PHP scripts
- Generating web pages dynamically using PHP
- Retrieving Web Pages manipulating from data
- Personalizing Web site content using Session and Cookies
- Tracking user navigation on your Web site
- Regular Expression with PHP to Make strong validation
- Exception Handling
- Integrating database content to generate dynamic Web pages
- PDF document generation, etc…

PHP language building blocks

- Comparing PHP with other Web scripting languages or technology
- Installation of PHP
- PHP delimiters
- Variable initialization with PHP
- PHP Data types
- PHP Constants
- PHP Operators

Conditional Statements
☐ If else
☐ If else if else
☐ Nested If
☐ Switch Case
☐ Jump Statements (Break , Continue , Exit)

Looping (Iteration)
☐ For loop
☐ While loop
☐ Do while loop
☐ Nested Loop

Introducing ARRAY
☐ How to use an important programming construct: arrays
☐ Numerically Indexed arrays
☐ Non-Numerically Indexed arrays (Associative Array)
☐ Multidimensional arrays
☐ Array sorting

Manipulation user input
☐ Presenting the user with input options via different HTML from elements
☐ Retrieving form data with $_POST,$_GET and $_REQUEST arrays
☐ Preserving Data in Form inputs

Reusing Code and Functions
☐ Introducing Functions
☐ Defining functions
☐ Using parameters
☐ Understanding scope
☐ Returning values
☐ Call By Value & Call By reference
☐ Using Require() and include()
☐ Array , String , Math , Date functions

File Uploading & Downloading

☐ File uploading Concepts
☐ Multiple File Upload
☐ Downloading file from server using header.

String Manipulation and Regular Expression

☐ Formatting , Joining ,splitting , comparing strings
☐ Introducing Regular Expression

State Management

☐ Session, Cookie , Query String
☐ Understanding Basic Session Functionality
☐ Starting a Session
☐ Registering Session variables
☐ Using Session Variables
☐ Destroying the variables and Session
☐ What is a Cookie?
☐ Setting Cookies with PHP
☐ Using Cookies with Sessions
☐ Deleting Cookies
☐ Implementing Query String
☐ Hidden Fields

MySQL Database

☐ Introduction to DBMS and Mysql
☐ Web Database Design & Architecture.
☐ Creating a MySQL Database
☐ Creating Database Tables
☐ Column Data Types
☐ Implementing Insert/Delete/Update and select Query
☐ Aggregate Functions
☐ Having and Group By Clause
☐ Joining Table

☐ Implementing Keys & Constraint.
☐ Dropping Tables and Databases

Database Connection

☐ Mysql database connectivity

Advance PHP Techniques

☐ PDF Generation
☐ Excel or CSV Generation
☐ Implementing Pagination
☐ Exception Handling