



Website Design & Development Syllabus

Introduction to PHP

- ✓ Evaluation of Php
- ✓ Basic Syntax
- ✓ Defining variable and constant
- ✓ Php Data type
- ✓ Operator and Expression

Handling Html Form with Php

- ✓ Capturing Form Data
- ✓ Dealing with Multi-value filed
- ✓ Generating File uploaded form
- ✓ Redirecting a form after submission

Decisions and loop

- ✓ Making Decisions
- ✓ Doing Repetitive task with looping
- ✓ Mixing Decisions and looping with Html

Function

- ✓ What is a function
- ✓ Define a function
- ✓ Call by value and Call by reference
 - ✓ Recursive function
- ✓

String

- ✓ Creating and accessing String
- ✓ Searching & Replacing String
- ✓ Formatting String
- ✓ String Related Library function

Array

- ✓ Anatomy of an Array
- ✓ Cr,eating index based and Associative array Accessing array Element

- ✓ Looping with Index based array
- ✓ Looping with associative array using each () and foreach()
Some useful Library function

Working with file and Directories

- ✓ Understanding file& directory
- ✓ Opening and closing a file
- ✓ Coping, renaming and deleting a file
- ✓ Working with directories
- ✓ Building a text editor
- ✓ File Uploading & Downloading

Mini Project (With file Handling)

State management

- ✓ Using query string(URL rewriting)
- ✓ Using Hidden field
- ✓ Using cookies
- ✓ Using session

String matching with regular expression

- ✓ What is regular expression
- ✓ Pattern matching in Php
- ✓ Replacing text
- ✓ Splitting a string with a Regular Expression

Generating Images with PHP

- ✓ Basics of computer Graphics
- ✓ Creating Image
- ✓ Manipulating Image
- ✓ Using text in Image

Advance PHP

Introduction to OOPS

- ✓ Introduction
- ✓ Objects
- ✓ Declaring a class
- ✓ The new keyword and constructor
- ✓ Destructor
- ✓ Access method and properties using \$this variable

- ✓ Public, private, protected properties and methods
- ✓ Static properties and method

- ✓ Class constant
- ✓ Inheritance & code reusability
 - Polymorphism
- ✓ Parent & self keyword
- ✓ Instance of operator
- ✓ Abstract method and class
- ✓ Interface
- ✓ Final

Exception Handling

- ✓ Understanding Exception and error
- ✓ Try, catch, throw

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.)

Mini Project

Web Designing

HTML

- ✓ Introduction to HTML
- ✓ HTML Tags
- ✓ Creating Forms
- ✓ Creating tables
- ✓ Managing home page

CSS

- ✓ Introduction to CSS
- ✓ Three ways to use CSS
- ✓ CSS Properties
- ✓ Designing website
- ✓ Working with Templates

Java Script

- ✓ Introduction to Javascript
- ✓ Three ways to use Javascript
- ✓ Working with events
- ✓ Client-side Validation

JQuery

- ✓ Introduction to JQuery
- ✓ Validation using JQuery
- ✓ JQuery Forms
- ✓ JQuery Examples

Understanding Controller

- ✓ Request & Response Parameter
- ✓ Controller Action
- ✓ Request Life Cycle callbacks
- ✓ Controller method
- ✓ Redirection
- ✓ Working with component

Understanding Model

- ✓ Creating Model for Database Table
- ✓ Retrieving Data Using Model
- ✓ Method for all Basic CRUD(Create, Read, Update, Delete)
- ✓ Create own Model method
- ✓ Making custom SQL Queries
Data Validation

Understanding ORM (Object Relational Mapping)

- ✓ Working with Simple association
- ✓ one to-one
- ✓ one-to-many
many-to-many

View

- ✓ Working with layout
- ✓ Create custom Layout
- ✓ Working with Helper class
- ✓ Creating and using user define Helper
- ✓ Working with element