

PHP Syllabus

(Core php, Advance PHP, HTML, CSS, JS, JQuery)

Core PHP

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
- Creating 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

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
- Instanceof 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.)

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

AJAX

- Introduction to AJAX
- PHP with AJAX
- Working with database

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 CURD(Create, Read, Update, Delete)
- Create own Model method
- Making custom SQL Queries
- Data Validation

Understanding ORM(Object Relational Mapping)

- Working with Simple association
- Create custom Layout
- Working with Helper class
- Creating and using user define Helper
- Working with element

(Mini project implementing above topics)