PHP & MYSQL
Duration- 4 Weeks

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

Types of Error in PHP :

- Understand the Basic syntax and Parse error
- Know the different Notice error in PHP
- Warning errors in PHP
- Fatal error in PHP
- Difference Between fatal error and warning with example
- How to solve errors with debugging concept in PHP
- How to minimize errors while writing code
- Some Important tips to get resolved PHP Errors
- Understand error_reporting in php.ini file
- Difference between include() function and include_once() function
- Difference between require() function and require_once() function
- Difference between include() and require() 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

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.)

Case Studies

- Add, edit, inline edit, delete pagination, file
- Upload and download
- Login, registration,
- Captcha

Minor Project