

PHP

Course Content:

Introduction to PHP

- >History of PHP
- >Versions and Differences between them
- >Practicality
- >Power
- >Installation and configuring Apache and PHP

PHP Basics

Default Syntax

- >Styles of PHP Tags
- >Comments in PHP
- >Output functions in PHP
- >Datatypes in PHP
- >Configuration Settings
- >Error Types

Variables in PHP

- >Variable Declarations
- ◆Variable Scope
- >PHP's Super global Variables
- >Variable Variables

Constants in PHP

- >Magic Constants
- >Standard Pre-defined Constants
- >Core Pre-defined Languages
- >User-defined Constants

Control Structures

- >Execution Control Statements

- >Conditional Statements

- >Looping Statements with Real-time Examples

Functions

- >Creating Functions

- >Passing Arguments by Value and Reference

- >Recursive Functions

Arrays

- >What is an Array?

- >How to create an Array

- >Traversing Arrays

- >Array Functions

Include Functions

- >Include, Include once

- >Require, Require once

Regular Expressions

- >Validating text boxes, emails, phone number, etc

- >Creating custom regular expressions

Object-Oriented Programming in PHP

- >Classes, Objects, Fields, Properties, _set(), Constants, Methods

- >Encapsulation

- >Inheritance and types

- >Polymorphism

- >Constructor and Destructor

- >Static Class Members, Instance of Keyword, Helper Functions

- >Object Cloning and Copy

- >Reflections

PHP with MySQL

- >What is MySQL
- >Integration with MySQL
- >MySQL functions
- >Gmail Data Grid options
- >SQL Injection
- >Uploading and downloading images in Database
- >Registration and Login forms with validations
- >Paging, Sorting.

Strings and Regular Expressions

- >Declarations styles of String Variables
- >Heredoc style
- >String Functions
- >Regular Expression Syntax(POSIX)
- >PHP's Regular Expression Functions(POSIX Extended)

Working with the Files and Operating System

- >File Functions
- >Open, Create and Delete files
- >Create Directories and Manipulate them
- >Information about Hard Disk
- >Directory Functions
- >Calculating File, Directory and Disk Sizes

Error and Exception Handling

- >Error Logging
- >Configuration Directives
- >PHP's Exception Class
- >Throw New Exception

- >Custom Exceptions

Date and Time Functions

Authentication

- >HTTP Authentication

- >PHP Authentication

- >Authentication Methodologies

Cookies

- >Why Cookies

- >Types of Cookies

- >How to Create and Access Cookies

Web Services

- >Why Web Services

- >RSS Syntax

- >SOAP

- >How to Access Web Services

XML Integration

- >What is XML

- >Create a XML file from PHP with Database records

- >Reading Information from XML File

MySQL Concepts

- >Introduction

- >Storage Engines

- >Functions

- >Operators

- >Constraints

- >DDL commands

- >DML Commands

- > DCL Command
- > TCL Commands
- > Views
- > Joins
- > Cursors
- > Indexing
- > Stored Procedures
- > Mysql with PHP Programming
- > Mysql with Sqlserver(Optional)

SPECIAL DELIVERY

- > Protocols
- > HTTP Headers and types
- > Sending Mails using PHP
- > Email with Attachment
- > File Uploading and Downloading using Headers
- > Implementing Chating Applications using PHP
and Ajax
- > SMS Gateways and sending SMS to Mobiles
- > Payments gateways and How to Integrate them
With Complete
- > MVC Architecture
- > DRUPAL
- > JOOMLA
- > Word Press
- > AJAX
- > CSS
- > JQUERY (Introduction and few plugins only)