

# PHP MySQL

## Course Highlights :

### Introduction to PHP

- What is PHP
- How PHP better than other
- Benefits Of Using PHP MYSQL
- Server Client Environment
- Web Server Installation & Configuration

### Development Concept

- How PHP Script Work
- PHP Syntax
- Write your First PHP Program
- Embed PHP In HTML/HTML In PHP
- PHP Data Type
- Variable in PHP
- Contents in PHP
- Operator in PHP
  - PHP Printing –echo, print & print\_r
  - PHP Comments
  - PHP Concatenation
  - PHP Constant
  - PHP Forms:
    - Handling PHP Form

- Validation PHP Form
- Required PHP Form
- URL/E-mail
- PHP Form Complete
- PHP Default Argument value
- PHP Local & Global Scope
- Static Scope

## Control Structure:

- If Statement
- If...Else Statement
- If...If Else Statement
- Nested If Statement
- Switch Statement

## Looping Structure

- For Loop
- While Loop
- Do...While Loop
- For each Loop

## Function

- What is function
- Syntax
- User Defined Function
- System Defined Function
- Parameterized Function
- Parameterized Function



- Date & Time Function
- Hash Function
- Mail Function

## File Inclusion

- Include()
- Require()

## Array

- What is Array
- Syntax
- Associative Array
- Numeric Array
- Multi-Dimensional Array
- Array Function

## String Function

- Chr()
- strlen()
- strpos()
- strcmp()
- explode()
- implode()
- ord()
- strtolower()
- strtoupper()
- ucfirst()
- strrev()



- strlen()
- trim()
- ltrim()
- rtrim()
- str\_pad()
- strpos()
- General function
  - empty()
  - isset()
  - unset()
  - header() & auto redirect
- PHP Super globals
- PHP Filter
- PHP AJAX
- PHP Error Handling using die
- PHP Custom Error Handling

## Working with File

- Opening File
- Reading File
- Writing File
- Closing File
- Appending File
- Uploading File

## OOPs Concepts

- Class & Object
- Access Modifier
- Properties of Object
- Encapsulation and abstraction
- Inheritance
- Polymorphism
- Function overriding
- \$this keyword
- Constructor & Destructor
- Final Keyword
- Abstract class
- Interface

## State Management

- Creating Cookies
- Set Cookies
- Destroying Cookies
- Creating Session
- Set Session
- Destroying Session

## Error Handling & Exception

- Introduction to Error
- Try, catch, throw Block Handling

## MYSQL

### Introduction to MYSQL

- What is Database?
- Understanding an RDBMS
- Understanding Tables, Record & Fields
- SQL Language

## Working with MYSQL Admin

- Working with PHP My Admin
- Types Data Type
- Creating Database & Tables
- Dropping Database & Tables
- Adding Fields
- Selecting Table
- Alerting Fields Properties

## MySQL Function in PHP

- Database Connections
- Managing Database Connections
- Performing Queries
- Closing Connection

## SQL Queries

- Create Database & Table
- Drop Database & Table
- Insert Record
- Select Record
- Deleting Record
- Modifying Record
- WHERE Clause



- Using Operators
- Sorting Records
- Eliminating Duplicates
- Grouping Records, Having Clause
- Joining Tables
- Sub queries
- Using Table and Column Aliases

## Upload Download

- PHP File Upload
- PHP Download File

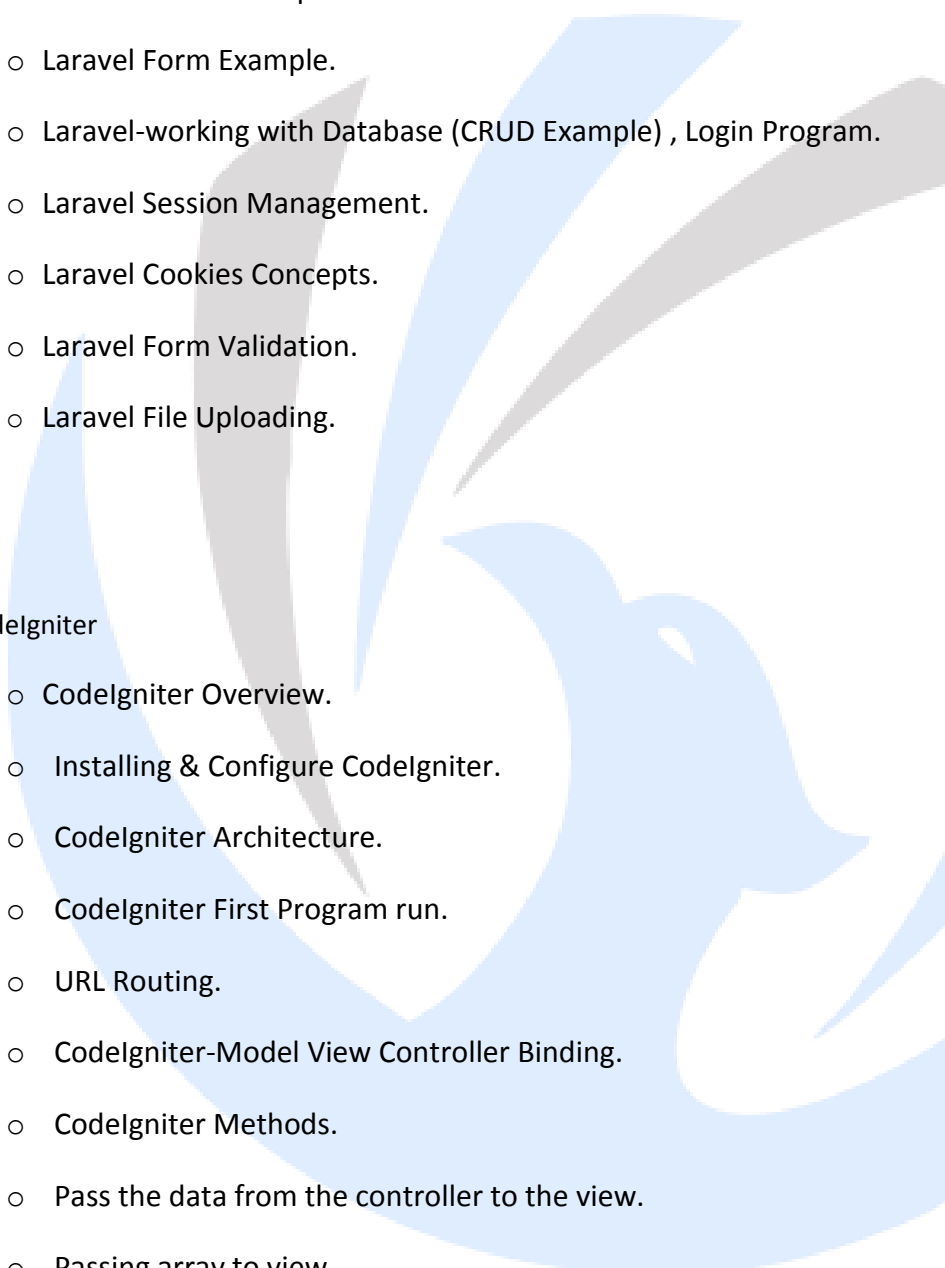
## PHP Mail

## PHP JSON

- Introduction to JSON
- JSON Example
- JSON Object
- JSON Array
- JSON Comments
- PHP JSON Example

## PHP Framework

- MVC Architecture
- Laravel
  - Laravel Overview.
  - Installing & Configuration of Laravel.
  - Laravel - Application Structure,

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- Routing & Routing Group.
  - Laravel First Program run.
  - Laravel – Controllers Model View Concepts.
  - Laravel - Blade Templates.
  - Laravel Form Example.
  - Laravel-working with Database (CRUD Example) , Login Program.
  - Laravel Session Management.
  - Laravel Cookies Concepts.
  - Laravel Form Validation.
  - Laravel File Uploading.
  
  - CodeIgniter
    - CodeIgniter Overview.
    - Installing & Configure CodeIgniter.
    - CodeIgniter Architecture.
    - CodeIgniter First Program run.
    - URL Routing.
    - CodeIgniter-Model View Controller Binding.
    - CodeIgniter Methods.
    - Pass the data from the controller to the view.
    - Passing array to view.
    - Taking user inputs through form view, CodeIgniter Helper & Library.
    - CodeIgniter Form Validation.
    - CodeIgniter working with Database (CRUD Example) , Login Program



- CodeIgniter Session Management.
- CodeIgniter Flash Data.
- CodeIgniter Cookies Concepts.
- CodeIgniter Hooks Concepts, Create Custom Route.
- CodeIgniter File Uploading.

## Project

### Exit Profile : PHP Web Developer

Certificate & Placement assistance will be provided after completion of the course & clearing exams.

#### Course Objective :

This Instructor-led live online classes or classroom training provides a complete understanding of real life web development. This module will help you to become an expert in PHP & MySQL and opens a career opportunity in Web Development.