



# **Web Development in PHP with Larabel**

## **Syllabus**

**Duration: 120 Hours**

### **1. HTML**

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

### **2. CSS**

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

### **3. JAVA SCRIPT**

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

### **4. AJAX**

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

### **5. INTRODUCTION TO PHP**

- PHP Intro
- PHP Install
- PHP Syntax
- PHP Variables
- PHP Echo / Print
- PHP Data Types
- PHP Strings
- PHP Constants
- PHP Operators

## **6. HANDLING HTML FORM WITH PHP**

- **PHP Form Handling**
- **PHP Form Validation**
- **PHP Form Required**
- **PHP Form URL/E-mail**
- **PHP Form Complete**

## **7. DECISIONS AND LOOP**

- **Making Decisions**
- **Doing Repetitive task with looping**
- **Mixing Decisions and looping with Html**
- **PHP If...Else...Elseif**
- **PHP Switch**
- **PHP While Loops**
- **PHP For Loops**

## **8. FUNCTION**

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

## **9. STRING**

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

## **10.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**

## **11.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

## **12.STATE MANAGEMENT**

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

## **13.STRING MATCHING WITH REGULAR EXPRESSION**

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

## **14.DATABASE CONNECTIVITY WITH MYSQL**

- Introduction to RDBMS
- Connection with MySql Database
- Performing basic database operation(DML) (Insert, Delete, Update, Select)
- Setting query parameter
- Join (Cross joins, Inner joins, Outer Joins, Self joins.)Framework- Laravel

## **15.INTRODUCTION TO Laravel**

- Understanding the MVC Pattern Models
- How MVC works?
- Configuration Laravel
- Setting up Laravel with apache Environment eg. Enable mod\_rewrite
- Configuration Laravel to work with database

## **16.MODELS: CREATING UP MODEL FOR A DATABASE TABLE**

- Fetching data
- Saving and updating data
- Deleting data
- User defined function in model
- Data Validation

## **17.CONTROLLER: CREATING CONTROLLER**

- Controller function
- Interacting with model
- Interacting with views
- Controller variables and parameters



- **Redirection**
- **Getting post data**

## **18.VIEWS: CREATING VIEWS**

- **Working with configuration layout**
- **Creating custom layout**
- **Element and helpers**

## **19.LARAVEL SESSION**

- **Storing data in cake session**
- **Reading a session data**
- **Delete data from session**

## **20. Project Work**

## **21.Placement Assistance Sessions**

- **Mock Interviews**
- **GDs**
- **Preplacement Talks**
- **Industry Exposer Sessions**

## **22.Internship**

