

**Website : www.citcchandigarh.com****Course Syllabus: Advanced PHP with Laravel***Batch Name: Advanced PHP with Laravel**Eligibility: Graduation**Course Start: 1st of Every Month**Course Duration: 90 Hours***Courses / Modules Paper****Module 1**

Paper 1	Paper 2
Advanced PHP	Laravel

Paper 1: Advanced PHP**Introduction**

- 1.1 Local Development Environment and Software Install
- 1.2 Embedding PHP in HTML
- 1.3 Inserting Comments in PHP

Data Types

- 1.1 Variables in PHP
- 1.2 Arrays
- 1.3 Associative Arrays

Control Structures

- 1.1 If Statements
- 1.2 Switch statements in PHP
- 1.3 Comparisons and logical operators
- 1.4 Loops in PHP

Functions and Classes

- 1.1 Defining Functions
- 1.2 Global Variable and Scope
- 1.3 Function in and out parametres
- 1.4 Constants
- 1.5 Math, String, Array Functions
- 1.6 Objects and Classes

Forms

- 1.1 Form submission
- 1.2 Extracting information from form
- 1.3 Validating form
- 1.4 External Page

Databases

- 1.1 Creating a database in PHPmyadmin
- 1.2 Queries- select insert delete and update
- 1.3 Refactoring Database
- 1.4 Files

Paper 2: Laravel**Introduction**

- 2.1 Meaning and Features of Laravel
- 2.2 History of Laravel
- 2.3 Laravel Directory Structure

Laravel Routing

- 2.1 Laravel Basic Routing
- 2.2 Routing Parametres
- 2.3 Laravel Named Routes
- 2.4 Laravel Middleware
- 2.5 Laravel Route Groups

Laravel Controllers

- 2.1 Laravel Controllers
- 2.2 Routing Controllers
- 2.3 Resource Controllers
- 2.4 Controller Middleware

Laravel Views

- 2.1 Larave Views
- 2.2 Passing data to views
- 2.3 Resource Controllers
- 2.4 Controller Middleware

Laravel Blade Template

- 2.1 Display Images
- 2.2 Make Anchor
- 2.3 Displaying Variables
- 2.4 Conditional Statements
- 2.5 Loop in Blade
- 2.6 PHP function
- 2.7 Build your Master Layout
- 2.8 Extending the master layout
- 2.9 Nested Views
- 2.10 Include Views
- 2.11 Adding assets



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Using Forms and Gathering Input

- 2.1 Adding HTML5 Package
- 2.2 Creating a Form using Blade Syntax
- 2.3 Validating user input
- 2.4 File Uploading
- 2.5 Error message handling
- 2.6 Encrypting and decrypting data
- 2.7 Preserving the data



Laravel Database

- 2.1 Introduction to Model
- 2.2 Type of Database using
- 2.3 Eloquent ORM Model
- 2.4 Naming Convention
- 2.5 Table name
- 2.6 Primary Key
- 2.7 Timestamps
- 2.8 Use model
- 2.9 Display data from models in views
- 2.10 Manage Mass Assignment
- 2.11 CRUDS Operation (Create Read Update Delete Search Operations)
- 2.12 Query Builder