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# Syllabus - Codeigniter Training

#### Section 1: Introduction of Laravel PHP Framework

- Installing Laravel
- Artisan CLI (command-line interface)
- Laravel Directory Structure
- Configuring a new Laravel project

#### Section 2: Architecture & Basics

- Architecture overview -Basic routing
- Call a controller method from a route
- Passing variables from controllers to views
- CSRF protection
- Validation
- Error handling
- Controller
- Request
- Response
- Views
- Session

### Section 3: HTML Template to Laravel Blade Template

- Master layout
- Extending the master layout
- Displaying variables
- Blade conditional statements & loops
- PHP functions in blade
- Creating and using a basic views
- Loading a view into another view/nested views
- Adding assets
- Integrating with Bootstrap

### Section 4: Security & Session

- Authentication
- Authorization
- Encryption
- Hashing
- Using Security
- Sessions Effective

#### Section 5: Database

- Introduction
- Query Builder
- Migrations
- Seeding

## Section 6: Eloquent ORM (Storing and Using Data)

- Eloquent ORM Models
- Naming conventions
- Table name and primary keys
- Timestamps
- Eloquent ORM INSERT, READ, UPDATE, DELETE
- Using models in controllers
- Displaying data from models in views

# Section 7 : Creating a registration & user login form

- Artisan command to create inbuilt user register and login system
- Authenticating Your Application
- Adding Custom Fields to Registration Form
- Creating user profile page

### Section 8 : Admin Panel Setup

- Introduction
- Setup Admin Panel using Bootstrap theme
- Create Admin login
- Creating an admin authentication system
- Encrypting and decrypting data

## Section 9: Using Ajax and jQuery

- Introduction
- Getting data from another page
- Setting up a controller to return JSON data

## Section 10: Internship / Project

# Training Fees / Duration (Rs. 2,500/- Onwards)

- Internship for BTech, MTech, MCA, BCA, Bsc, B.Com, M.Com, MBA Students
- Duration: 1 Week to 6 Months
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