CodeCruise

SAIL SMOOTH IN TECH OCEAN

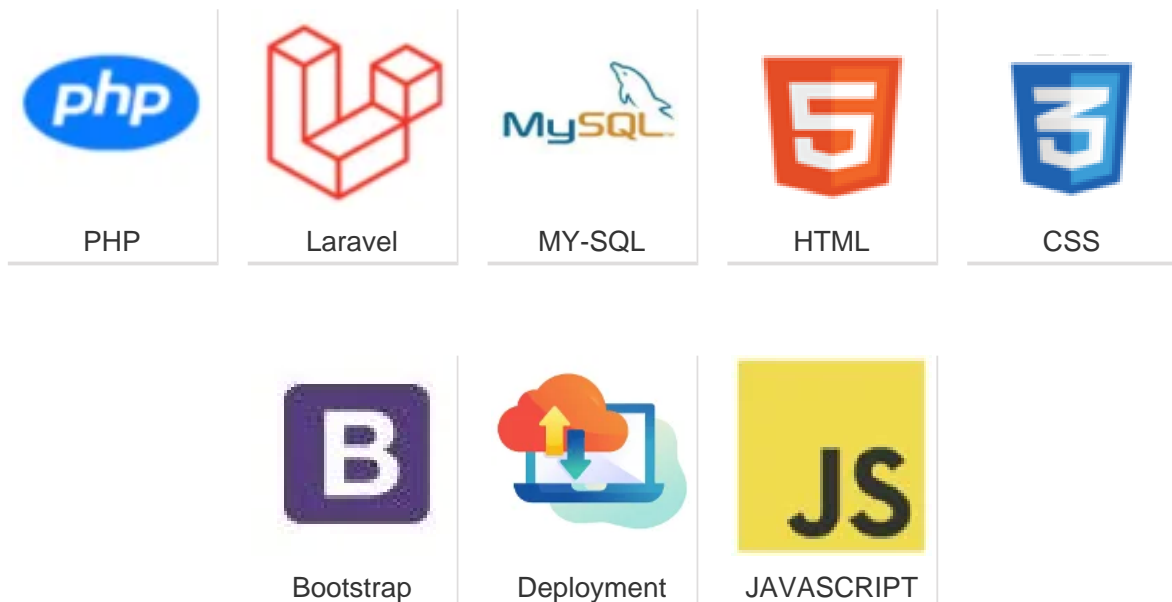**A74, TechnoPark, Andheri, Mumbai. Phone: +91 80809 75897 | +91 70345 62050 Email: ask@codecruise.in**

Laravel Framework

Laravel Framework

Introduction: In recent years, Laravel has emerged as one of the most popular PHP frameworks for web development, offering developers a robust and elegant toolkit for building modern web applications. In this course, we will delve into the fundamentals of web development using Laravel, MySQL, Bootstrap, HTML, CSS, and JavaScript. Through hands-on projects and practical examples, you will learn how to create dynamic and responsive websites that are both visually appealing and functionally rich.

Tech Stack To Be Covered

PHP	Laravel	MY-SQL	HTML	CSS

Bootstrap	Deployment	JAVASCRIPT

Web Development With Laravel Framework

Course Outline:

1. **Introduction to Laravel and MVC Architecture:**
   - Understanding the Laravel framework
   - Exploring the Model-View-Controller (MVC) architecture
   - Setting up Laravel environment

2. **Database Management with MySQL:**
   - Integrating MySQL database with Laravel
   - Creating and migrating database tables
   - Performing CRUD operations

3. **Building User Authentication and Authorization:**
   - Implementing user authentication system
   - User registration and login functionality
   - Role-based access control

4. **Creating Dynamic Content with Blade Templating Engine:**
   - Introduction to Blade templating engine
   - Templating and layouts
   - Passing data to views

5. **Frontend Development with HTML, CSS, and Bootstrap:**
   - Designing responsive layouts with HTML and CSS
   - Integrating Bootstrap for frontend styling and components
   - Creating custom themes and UI elements

6. **Enhancing User Experience with JavaScript and jQuery:**

- Introduction to JavaScript and jQuery

- Client-side form validation

- Implementing interactive features and AJAX requests

7. **Working with Forms and Form Validation:**
   - Building forms in Laravel

   - Server-side form validation

   - Client-side validation with Laravel and jQuery

8. **Handling File Uploads and Storage:**
   - Uploading files in Laravel

   - File storage and retrieval

   - Integrating cloud storage services

9. **Implementing RESTful APIs:**
   - Introduction to RESTful APIs

   - Creating API endpoints in Laravel

   - Consuming APIs with Laravel and JavaScript

10. **Deploying Laravel Applications:**
    - Preparing Laravel application for deployment

    - Choosing a hosting provider

    - Deploying Laravel applications to a web server

Conclusion: By the end of this course, you will have gained the skills and knowledge necessary to develop dynamic web applications using Laravel, MySQL, Bootstrap, HTML, CSS, and JavaScript. Whether you are a beginner or an experienced developer looking to expand your skillset, this course will equip you with the tools to build professional-grade websites that meet modern standards of web development.