

Course Name : **MASTERING CAKEPHP FRAMEWORK**
Duration : **4 Days (Physical Classroom / Virtual Live Instructor)**
Skill Level : **Beginner**

COURSE DESCRIPTION:

Embark on a condensed yet comprehensive 4-day exploration of CakePHP, designed to equip you with the essential skills for efficient web development. Begin by immersing yourself in the framework's fundamentals on Day 1, where you'll grasp the directory structure, configure routes, and harness CakePHP's templating language. Day 2 delves into Models and Database Interaction, empowering you to seamlessly integrate databases, perform CRUD operations, and manage validations.

As you progress to Day 3, delve into Controllers and Routing, mastering HTTP request handling, RESTful API design, and authentication implementation. Finally, Day 4 unveils Advanced Features and Components, where you'll learn pagination, caching, testing methodologies, and deployment strategies, ensuring your CakePHP applications are not only robust but also primed for real-world deployment. Whether you're a novice or a seasoned developer, this concise yet comprehensive course offers a streamlined pathway to mastery in CakePHP, empowering you to build dynamic web applications with confidence and efficiency.

WHAT WILL YOU LEARN?

Throughout this intensive 4-day course, you will delve deep into CakePHP, mastering its intricacies and emerging with the skills needed to build dynamic web applications efficiently. From understanding the framework's architecture and benefits to configuring routes, rendering views, and utilizing its templating language, you will lay a solid foundation on Day 1. Days 2 and 3 will see you navigating database interactions, creating models, handling CRUD operations, and implementing authentication protocols, empowering you to architect robust data-driven applications. Finally, Day 4 will equip you with advanced techniques, including pagination, caching, testing, and deployment strategies, ensuring your CakePHP projects are not only functional but also optimized for real-world scenarios. By the end of this course, you'll be poised to tackle complex web development challenges with confidence and finesse, armed with the knowledge and skills needed to excel in the world of CakePHP development.

PREREQUISITE:

Beginners. Knowing PHP is an added advantage.

METHODOLOGY:

This program will be conducted with interactive lectures, PowerPoint presentations, discussions, and practical exercises. This course can be conducted as instructor-led (ILT) or virtual instructor-led training (VILT).

JOB SCOPE:

Upon completion of this course, candidates may pursue the following career paths:

- CakePHP Developer
- Full Stack Web Developer
- PHP Developer (CakePHP)
- CakePHP Consultant
- Backend Developer

DAY 1: INTRODUCTION TO CAKEPHP

- Welcome
- Understanding the CakePHP framework and its benefits
- Installing and setting up CakePHP
- Exploring the directory structure
- Creating and configuring routes
- Creating and rendering views
- Working with layouts and elements
- Using CakePHP's templating language

DAY 2: MODELS AND DATABASE INTEGRATION

- Creating and configuring database connections
- Creating models and associations
- Performing CRUD operations with CakePHP's ORM
- Implementing validation rules and behaviors
- Utilizing CakePHP query builder and find methods
- Understanding migrations and database schema management

DAY 3: CONTROLLERS AND ROUTING

- Using CakePHP's built-in authentication and authorization
- Implementing pagination and sorting
- Working with sessions and flash messages
- Utilizing components and helpers
- Implementing caching for improved performance
- Handling file uploads and form submissions

DAY 4: ADVANCED FEATURES AND TESTING

- Using CakePHP's built-in authentication and authorization
- Implementing pagination and sorting
- Working with sessions and flash messages
- Implementing caching for improved performance
- Handling file uploads and form submissions
- Writing unit tests with PHPUnit and CakePHP's testing suite
- Testing controllers, models, and views
- Setting up continuous integration with tools like Travis CI
- Preparing your CakePHP application for deployment
- Deploying to a hosting environment (e.g., Heroku)

CONCLUSION

- QA
- Useful References and Books
- Feedback