

Mobile App Development with Flutter

COURSE OVERVIEW

The Mobile App Development with Flutter course provides an in-depth, hands-on journey into building high-performance, cross-platform mobile applications using Google's Flutter framework and the Dart programming language. It explores the fundamentals of Flutter's widget-based architecture, responsive UI design, and efficient state management, while also gaining practical experience in integrating APIs, managing data persistence, and implementing navigation and animations. The course emphasizes best practices in mobile development, covering app deployment on Android and iOS, performance optimization, debugging, and version control. By working on real-world projects, participants will develop the confidence to design, build, and deploy production-ready mobile apps that deliver seamless user experiences across platforms.

WHO SHOULD ATTEND?

This course is designed for aspiring mobile app developers, full-stack developers, software engineers, and computer science professionals who want to specialize in cross-platform development. It is also suitable for frontend developers transitioning into mobile development, entrepreneurs and other individuals aiming to expand their skills in modern mobile technologies.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Understand Flutter's framework, architecture, and core principles.
- Build cross-platform mobile applications with a single codebase.
- Design responsive, visually appealing, and interactive user interfaces.
- Manage state effectively using Flutter's state management techniques.
- Integrate RESTful APIs, JSON data, and third-party libraries.
- Implement navigation, animations, and advanced UI patterns.
- Apply debugging, testing, and performance optimization techniques.
- Deploy fully functional apps to both Android and iOS platforms.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- Comprehensive coverage of Flutter and Dart fundamentals.
- Implementation of state management techniques (Provider, Riverpod, or Bloc).
- How to focus on testing, debugging, and performance optimization.
- Integration with APIs, databases (SQLite/Firebase), and cloud services.
- Practical training in animations, navigation, and app lifecycle management.
- How to design, build, and deploy a production-ready mobile app.

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.

1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded.