

Flutter Mobile App Development Certification Course

"Build Beautiful, Native-Like Mobile Apps with Flutter – Master

Cross-Platform Development" _____ _ _ _ ________

Unlock the power of **Flutter**, the cutting-edge framework for building



beautiful, high-performance mobile applications for iOS, Android, and the web from a single codebase. Whether you're a seasoned developer looking to expand your skill set or a beginner entering the world of mobile app development, our **Flutter Certification Course** will equip you with the knowledge and hands-on experience needed to become a professional Flutter developer.

Flutter, developed by Google, has quickly become the go-to solution for building stunning, responsive mobile apps that run seamlessly across multiple platforms. Join our course and master this high-demand framework, opening the door to exciting career opportunities in the mobile app

Why Learn Flutter?

Single Codebase, Multiple
 Platforms: Write once, run
 everywhere. Flutter allows you to



build apps for iOS, Android, and even web platforms with a single codebase.

Fast Development: With features like
 Hot Reload, Flutter allows you to
 make changes to your code and see
 updates instantly, significantly
 speeding up the development process.



- High Performance: Flutter's architecture ensures
 near-native performance, making it a perfect choice for
 building smooth and high-performance mobile applications.
- Great UI/UX: Flutter provides a rich set of pre-built widgets that allow you to design beautiful, responsive, and interactive UIs for both iOS and Android.
- **Growing Industry Demand**: With its fast-growing popularity,

 Flutter is in high demand among top tech companies and startups, making Flutter developers some of the most sought-after
 professionals in the job market.

What Will You Learn in This Course?

Our **Flutter Certification Course** is designed to provide you with a comprehensive understanding of Flutter development, covering everything from setting up your



development environment to building production-ready apps. Here's what you'll learn:

1. Introduction to Flutter

 Overview of Flutter and its advantages in mobile development.

- Setting up your Flutter development environment (Installing Flutter, Dart SDK, and necessary tools).
- Introduction to Dart programming language and the basics of Flutter widgets.
- Understanding the Flutter framework and project structure.

2. Building Your First Flutter App

- Creating your first simple Flutter app from scratch.
- Exploring Flutter's core components, such as Widgets, Layouts, and State Management.
- Managing user input and handling gestures with Flutter.

 Understanding Stateless vs Stateful widgets and how to manage app states.

3. UI Design and Customization

Designing responsive and attractive
 UIs using Flutter's built-in widgets.

Customizing widgets to build your own designs with Flutter's rich set of Material and Cupertino widgets.

Implementing **Themes** for consistent styling across the app.

Using **Animations** and transitions to enhance the user experience.

4. Flutter Navigation and Routing

- Understanding Flutter's navigation system and how to manage screen transitions.
- Implementing Stack Navigation and Drawer Navigation.
- Passing data between screens and managing app state using routes.
- Mastering **Deep Linking and int**egrating external app features.

5. Working with APIs and Networking

- Fetching data from external APIs using HTTP and Dio in Flutter.
- Parsing JSON data and displaying it in the app.
- Using Flutter's HTTP package to interact with RESTful services and manage network requests.
- Storing and managing data locally with SQLite and SharedPreferences.



6. State Management in Flutter

Understanding and implementing
 State Management in Flutter.

 Using Provider, Riverpod, and Bloc for managing app state.

 Integrating state management solutions for more scalable and efficient app development.



7. Flutter for Android and iOS

- Exploring platform-specific code and handling device-specific functionality.
- Managing device resources like Camera, Location, and Storage using Flutter plugins.
- Publishing your Flutter app to the Google Play Store and Apple App Store.

8. Testing and Debugging in Flutter

- Debugging Flutter apps using the built-in Flutter DevTools.
- Writing unit tests and widget tests to ensure app reliability.
- Implementing end-to-end testing with the Flutter Test framework.
- Performance optimization tips for smooth app execution.



Course Highlights

 Comprehensive Curriculum: Master all the essential skills you need to build fully functional mobile apps with Flutter, from the basics to advanced techniques.





- Career-Ready Skills: Gain the practical skills required by top companies and start-ups looking for skilled Flutter developers.
- Certification: Upon course completion, receive a certification that will enhance your resume and demonstrate your proficiency in Flutter app development.
- anywhere. Access the course materials and resources online whenever it fits into your
- Ongoing Support: Get support from our instructors and mentors throughout your learning journey.

schedule.



Course Modules

- 1. Module 1: Introduction to Flutter & Dart
- 2. Module 2: Building Your First Flutter App
- 3. Module 3: UI Design and Customization
- 4. Module 4: Flutter Navigation & Routing
- 5. Module 5: Working with APIs & Networking
- 6. Module 6: State Management in Flutter
- 7. Module 7: Flutter for Android and iOS
- 8. Module 8: Testing, Debugging, and Performance Optimization



This course is ideal for:

- Mobile Developers: If you're already familiar with mobile development and want to learn how to build cross-platform apps with Flutter.
- Web Developers: If you're looking to expand your skills into mobile app development, this course is a great way to dive into Flutter and Dart.
- Tech Enthusiasts: Individuals
 passionate about mobile app development
 and

 eager to learn Flutter to start creating their own apps.



 Software Engineers: If you're looking to transition into mobile development, this course will teach you how to build professional apps from scratch using Flutter.



Format Detail	Description
Duration	3 Months Training + 1 Month Practice
Learning Approach	30% Theory + 70% Practical
Assessment	90-minute certification exam with 60 MCQs
Passing Score	70%
Certification Criteria	Succes <mark>sful pro</mark> ject submission + exam pass

Why Choose TECHELEARN?

- End-to-End Learning: From the basics to advanced topics, we ensure that you understand every aspect of Flutter development.
- Hands-on Projects: Apply your skills by building real-world apps and create a portfolio that showcases your expertise.
- Expert-Led Courses: Learn from instructors
 who are active in the Flutter development
 community and have experience building
 mobile apps for top brands.



- Global Certification: Get certified by TECHELEARN, a globally recognized online training institute.
- Career Assistance: Receive support in job placement, interview preparation, and resume building to help you land your dream job.
- 24/7 Access: Learn at your own pace with our flexible online platform, anytime and anywhere.



- Live Instructor-Led Online Training
- Self-Paced Learning + Assignments
- Torporate On-Demand Training Workshops
- S Hybrid Model for Flexibility & Impact
- Includes: Source Code, Assignments, Quizzes, Final Capstone Project
- & Certificate Exam

Bonus Add-ons

- ✓ GitHub Portfolio Setup
- ✓ Resume & LinkedIn

Optimization

- ✓ Interview Preparation Sessions
- ✓ Lifetime Access to Developer

Community





Partner with TECHELEARN – Upskill Your Team

TECHELEARN offers customized Flutter **Mobile App** Development training for businesses.



Request a Tailored Group **Training Plan**



Get Started Journey Today

Join 11,000+ learners who trust TECHELEARN for career-ready skills.

Flutter skills are in high demand. Don't just learn—Master it with TECHELEARN.





GET IN TOUCH

- Personalized Support: Whether you're seeking technical assistance or career guidance, we offer personalized, professional support.
- Collaborate with Us: We partner with educational institutions, businesses, and experts to offer training that meets industry needs.









+91 9426245757



www.techelearn.com



info@techelearn.com

in

https://www.linkedin.com/company/techelearn/

4

https://www.facebook.com/TecheLearn

(

https://www.instagram.com/techelearn/

•

https://www.instagram.com/techelearn/