

# Master Flutter App Development with Dart



## Cross-Platform Apps



## Course Overview

### Build Beautiful, Fast Mobile Apps for Android & iOS Using Flutter

Flutter, backed by Google, is one of the most in-demand frameworks for building cross-platform mobile apps. With one Dart codebase, you can develop responsive, stunning apps for both Android and iOS.

In this **SkillUpgrades Flutter Development Course**, you'll go from zero to app-launch-ready with hands-on training in **Flutter, Dart, Firebase, API Integration**, and **App Store Deployment**. Whether you're a beginner, web developer, or aspiring mobile app freelancer – this course will get you job-ready.

## What You'll Learn

- Dart programming fundamentals
- Flutter widget tree and UI structure
- State management using Provider or Riverpod
- Navigating screens and managing routes
- Form handling and input validation



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[www.skillupgrade.in](http://www.skillupgrade.in)



[info@skillupgrade.com](mailto:info@skillupgrade.com)



+919358021230



- Integrating REST APIs and Firebase
- Accessing device features (Camera, Storage, Location)
- Animations and UI polishing
- Debugging, testing, and optimization
- Deploying apps on Play Store and App Store

## Who Should Enroll

- Beginners and students interested in mobile development
- Web developers learning mobile app creation
- Freelancers & tech entrepreneurs
- Job seekers aiming for Flutter development roles
- Developers switching from native to cross-platform

## Requirements

- Basic programming logic
- Laptop/PC with Flutter SDK setup (assistance provided)



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- Android Studio or VS Code installed
- Willingness to build complete mobile apps

## Course Modules – Flutter & Dart Developer Training

### Module 1: Dart & Flutter Fundamentals

- Introduction to Dart programming
- Flutter installation & setup (Windows/Mac/Linux)
- Stateless & Stateful widgets
- Material Design & Cupertino widgets
- Scaffold, AppBar, Columns, Rows, Containers

### Module 2: UI Design & Navigation

- Building layouts with Flex, Stack, Grid
- Navigation: Push, pop, named routes
- Custom reusable components
- Input fields, forms, validation



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## Module 3: API Integration & Firebase

- Fetching data using HTTP and JSON parsing
- Displaying data with ListView and FutureBuilder
- Firebase setup and real-time database
- User authentication: Signup/Login
- Push notifications with Firebase Cloud Messaging

## Module 4: State Management & Advanced Features

- Local & global state: setState, Provider
- Riverpod/Bloc (optional advanced coverage)
- Media handling (camera, image picker)
- Accessing storage and local preferences
- Adding animations and transitions

## Module 5: Final Project & Deployment

- Building a complete app (E-commerce / Blog / Todo)
- Debugging, error handling, and performance optimization



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- Building APKs and app bundles
- Deploying to Google Play Store
- Introduction to iOS deployment (Mac required)

## Course Highlights

- Cross-platform mobile development with one codebase
- Real-time app development & deployment
- 4+ live projects and portfolio support
- Certificate of Completion
- Placement and freelance support

# Thank You



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