

COUNTRYEDU PRIVATE LIMITED

GSTIN : 06AAJCC6151A1Z3 | CIN : U72900HR2021PTC096283

Email : query@countryedu.com, grievances@countryedu.com

Flutter App Development Immersion Internship

Designed by: CountryEdu Private Limited

By CountryEdu Private Limited

(IT Managed Services & EdTech Solutions)

Program Objective :

To transform students into job-ready Flutter App Developers capable of:

- Building modern cross-platform mobile applications using Flutter and Dart
- Understanding mobile UI/UX design principles and app development workflows
- Developing responsive and interactive mobile applications for Android and iOS
- Gaining hands-on experience in API integration, database connectivity, and app deployment
- Learning industry-standard coding practices, debugging, and version control workflows
- Preparing students for careers in Mobile App Development and Software Engineering

Program Structure :

- Duration: 12 Weeks (3 Months)
- Mode: Hybrid / Live / Classroom
- Tools Used: Flutter, Dart, Firebase, Android Studio, VS Code, GitHub, Postman
- Learning Model: Project-Based Learning Model
- Final Outcome: Ability to build and deploy cross-platform mobile applications using Flutter + Internship Certificate

MONTH 1 – FLUTTER & MOBILE APP DEVELOPMENT FUNDAMENTALS

Week 1: Introduction to Flutter & Dart

- Introduction to Mobile App Development
- Understanding Flutter Framework
- Installing Flutter & Environment Setup
- Introduction to Dart Programming
- Variables & Data Types
- Writing First Flutter Application

~ Outcome: Strong foundation in Flutter framework and Dart programming basics

Week 2: UI Design & Flutter Widgets

- Flutter Widgets Basics
- Layouts & Containers
- Text, Images & Buttons
- Navigation & Routing
- Forms & Input Fields
- Responsive Mobile UI Design

~ Outcome: Ability to design responsive and interactive mobile application interfaces

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Week 3: Dart Programming Fundamentals

- Functions & Loops
- Lists, Maps & Collections
- Object-Oriented Programming in Dart
- Exception Handling
- Asynchronous Programming Basics
- State Management Introduction

~ Outcome: Ability to write structured and reusable Dart programs for mobile applications

Week 4: Advanced Flutter Development

- Stateful & Stateless Widgets
- ListView & GridView
- Custom Widgets
- Animations & Transitions
- Theme Customization
- UI/UX Best Practices

~ Outcome: Ability to create professional and user-friendly mobile application interfaces

MONTH 2 – BACKEND INTEGRATION & APP FUNCTIONALITY

Week 5: Firebase Integration

- Introduction to Firebase
- Firebase Authentication
- Cloud Firestore Basics
- Firebase Realtime Database
- Storing & Retrieving Data
- Firebase Security Rules Basics

~ Outcome: Ability to integrate backend services with Flutter applications

Week 6: API Integration & Networking

- REST API Basics
- Fetching Data from APIs
- JSON Parsing
- HTTP Requests in Flutter
- Error Handling Techniques
- API Testing using Postman

~ Outcome: Ability to connect Flutter applications with external APIs and services

Week 7: Advanced App Features

- State Management Techniques
- Shared Preferences & Local Storage
- Push Notification Basics
- Image Picker & File Upload
- Google Maps Integration Basics
- App Performance Optimization

~ Outcome: Ability to build feature-rich and optimized mobile applications

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Week 8: GitHub & App Deployment

- Git & GitHub Workflow
- Version Control Basics
- Debugging & Testing
- APK Generation
- App Deployment Basics
- Google Play Store Introduction

~ Outcome: Ability to professionally manage and deploy Flutter applications

MONTH 3 – LIVE PROJECT & CAREER READINESS

Week 9–10: Flutter Project Development

Students work on real-world Flutter Projects such as:

- Food Delivery App
- Expense Tracker App
- Chat Application
- E-Commerce Mobile App
- Weather Forecast Application
- Student Management App

Project Includes:

- Requirement Analysis
- UI/UX Planning
- Frontend & Backend Integration
- Testing & Debugging
- Final Project Presentation

~ Outcome: Ability to build complete real-world Flutter mobile applications

Week 11: Deployment & Professional Workflow

- App Publishing Workflow
- Firebase Project Management
- Environment Configuration
- Project Documentation
- Portfolio Development
- GitHub Project Management

~ Outcome: Ability to professionally deploy and present mobile application projects

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Week 12: Interview & Career Preparation

- Flutter Technical Interview Preparation
- Resume & LinkedIn Optimization
- Mock Interviews
- App Development Challenges
- Freelancing & Internship Guidance
- Career Pathways (Flutter Developer, Mobile App Developer, Android Developer, Cross-Platform Developer)

~ Outcome: Placement-ready Flutter App Developer with practical project experience

Key Skills Developed

- Flutter Framework
- Dart Programming
- Firebase Integration
- REST API Integration
- State Management
- Mobile UI/UX Design
- Git & GitHub Workflow
- App Deployment & Optimization

Target Roles After Completion

- Flutter Developer
- Mobile App Developer
- Android App Developer
- Cross-Platform App Developer
- Software Engineer
- Freelance Flutter Developer

Why This Program is Industry-Ready

- ✓ 100% Project-Based Learning
- ✓ Real-world Mobile App Development Experience
- ✓ Cross-platform Application Development
- ✓ Industry-standard Development Practices
- ✓ Portfolio & Career Preparation Included

From Beginner to Professional — Become a Flutter App Development Expert in 3 Months.