

COUNTRYEDU PRIVATE LIMITED

GSTIN : 06AAJCC6151A1Z3 | CIN : U72900HR2021PTC096283

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

2-Months Flutter App Development Immersion Internship

Designed by: CountryEdu Private Limited

By CountryEdu Private Limited

(IT Managed Services & EdTech Solutions)

Program Objective :

- Understanding cross-platform mobile application development using Flutter and Dart
- Developing expertise in mobile UI design, widget-based architecture, and state management
- Learning responsive application development for Android and iOS platforms from a single codebase
- Building scalable mobile applications with API integration, database connectivity, and cloud services
- Understanding application testing, deployment, and performance optimization techniques
- Preparing students for careers in Flutter Development, Mobile App Development, and Cross-Platform Engineering

Program Structure :

- Duration: 8 Weeks (2 Months)
- Mode: Hybrid / Live / Classroom
- Tools Used: Flutter, Dart, Android Studio, VS Code, Firebase, GitHub, REST APIs, SQLite
- Final Outcome: Cross-Platform Mobile Application Project + Internship Certificate

MONTH 1 – FLUTTER DEVELOPMENT FOUNDATION

Week 1: Introduction to Flutter & Dart Programming

- Introduction to Mobile Application Development
- Flutter Framework & Architecture
- Dart Programming Fundamentals
- Variables, Data Types & Operators
- Functions, Loops & Conditional Statements

~ Outcome: Strong foundation in Flutter development and Dart programming concepts.

Week 2: Flutter Widgets & User Interface Design

- Understanding Widgets in Flutter
- Stateless & Stateful Widgets
- Layout Design using Rows, Columns & Containers
- Material Design Principles
- Responsive UI Development Techniques

~ Outcome: Ability to create attractive and responsive mobile application interfaces.

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Week 3: Navigation & State Management

- Navigation & Routing Fundamentals
- Screen Management Techniques
- State Management Concepts
- Provider State Management
- User Input & Form Handling

~ Outcome: Ability to build structured applications with seamless navigation and efficient state management.

Week 4: Local Storage & Database Integration

- SQLite Database Fundamentals
- CRUD Operations in Flutter
- Shared Preferences Implementation
- Data Persistence Techniques
- Application Data Management Best Practices

~ Outcome: Ability to manage local application data efficiently and securely.

MONTH 2 – ADVANCED FLUTTER DEVELOPMENT

Week 5: API Integration & Backend Connectivity

- REST API Fundamentals
- HTTP Requests & Response Handling
- JSON Parsing Techniques
- Third-Party API Integration
- Error Handling & Data Validation

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

Week 6: Firebase & Cloud Services

- Firebase Fundamentals
- Authentication & User Management
- Cloud Firestore Integration
- Push Notifications
- Firebase Storage & Media Management

~ Outcome: Ability to develop cloud-enabled applications with authentication and real-time database capabilities.

Week 7: Advanced Flutter Features & Performance Optimization

- Animations & Interactive UI Design
- Device Features Integration
- Performance Optimization Techniques
- Application Security Best Practices
- Debugging & Testing Fundamentals

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

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Week 8: Deployment & Industry Best Practices

- Android APK & iOS Build Generation
- App Store & Play Store Deployment Process
- Git & GitHub Version Control
- Project Documentation Standards
- Professional Development Workflow

~ Outcome: Ability to deploy production-ready Flutter applications following industry standards.

LIVE PROJECT & CAREER READINESS

Major Project Development

Students work on real-world Flutter App Development projects such as:

- Food Delivery Application
- E-Commerce Shopping App
- Expense Tracker Application
- Healthcare Management App
- Student Management System
- Travel & Booking Application

Project Includes:

- Requirement Analysis & Planning
- UI/UX Design & Application Architecture
- Database & API Integration
- Firebase Authentication & Cloud Services
- Testing & Deployment Preparation
- Final Project Presentation

~ Outcome: Fully functional industry-level Flutter application demonstrating cross-platform development, backend integration, cloud services, and deployment capabilities.

From beginner to job-ready — Become a Flutter App Development Professional in 2 Months.