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COUNTRYEDU PRIVATE LIMITED

GSTIN : 06AAJCC6151A1Z3ICIN:U72900HR2021PTC096283

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

1-Month 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 app development for Android and iOS using a single codebase
- Building scalable mobile applications with API integration, database connectivity, and cloud services
- Understanding app testing, deployment, and performance optimization techniques
- Preparing students for careers in Flutter Development, Mobile App Development, and Cross-Platform Engineering

Program Structure:

- Duration: 4Weeks (1 Month)
- 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

Week 1: FLUTTER & DART FUNDAMENTALS

- Introduction to Mobile App Development
- Flutter Framework Overview
- Dart Programming Fundamentals
- Variables, Data Types & Functions
- Widgets & Application Structure
- Development Environment Setup

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

Week 2: UI DEVELOPMENT & STATE MANAGEMENT

- Stateless & Stateful Widgets
- Layout Design using Rows, Columns & Containers
- Navigation & Routing
- User Input & Form Handling
- State Management Fundamentals
- Responsive Mobile UI Design

~ Outcome: Ability to build attractive, interactive, and responsive mobile application interfaces.

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Week 3: DATABASE & API INTEGRATION

- Local Storage & SQLite Fundamentals
- CRUD Operations
- REST API Fundamentals
- HTTP Requests & JSON Handling
- Third-Party API Integration
- Error Handling Techniques

~ Outcome: Ability to manage application data and integrate backend services effectively.

Week 4: FIREBASE, DEPLOYMENT & PROJECT DEVELOPMENT

- Firebase Authentication
- Cloud Firestore Integration
- Push Notifications Basics
- App Testing & Debugging
- Android & iOS Deployment Fundamentals
- Project Development & Presentation

~ Outcome: Ability to develop, test, and deploy complete Flutter applications using industry-standard practices.

LIVE PROJECT & CAREER READINESS

Students work on real-world FlutterApp Development projects such as:

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

Project Includes:

- Requirement Analysis & Planning
- Mobile UI/UX Design
- Database & API Integration
- Firebase Authentication Implementation
- Testing & Deployment
- Final Project Presentation

~ Outcome: Hands-on experience in developing industry-level Flutter applications demonstrating cross-platform development, backend integration, cloud services, and deployment capabilities.

From beginner to job-ready – Become an a Flutter App Development Professional in 1 Month.