



## Flutter Development Intern Assignment

Assignment(24Hours)

**Task 1:** Create a Chat App Application with basic Email and Password Authentication.

Recommended Tech stack : Firebase(Realtime Database/Cloud FireStore), Flutter and Dart.

**Chat App Authentication Fields :**

- 1) Mobile Number
- 2) Name
- 3) Email ID

**Authentication Methods To be Implemented:**

- 1) SignIn
- 2) SignUp(Mobile Number, Name, Email ID)
- 3) Log out/Sign out

Implement authentication so that only authenticated users are allowed to perform CRUD operations.

**Task 2 :** Create the frontend for the app to show all Users to chat with and their messages. And to store the sent message by a user to their particular UID in Firebase Storage.

- 1) Implementing Create, Read, Update, and Delete (CRUD) operations for messages.
- 2) Storing messages in Firebase Firestore or Realtime Database.
- 3) Ensuring real-time updates and synchronization across different devices.

Integrate the flutter application for CRUD requests and response from Firebase.

**Submission Format :**

- **Code :** Github Link and build APK file