

Name : Harsh Jadhav

Roll No : 21

Class : D15B

(A++)

MPL Experiment No. 6

* Aim:- How to setup firebase with flutter in ios and Android Apps.

* Theory:-

Firebase is a cloud-based backend service that provides authentication, real time database, cloud storage and analytics.. from mobile and web applications.

Steps to setup firebase in a flutter App:-

1. Create a Firebase Project:-
 - go to firebase console and create a project.
 - Enable services you want based on app's requirements.
2. Add Firebase to flutter App:-
 - Register the Android App in console.
 - Download json file for android.
3. Install Firebase dependencies:-
 - Firebase_core, firebase_auth, cloud_firestore etc.

4. configure Android for firebase-

- update Gradle file to include firebase service.

5. configure initialize Firebase in flutter:

Modify the main.dart file to initialize Firebase in the app.

6. Run and verify the integration:-

- Launch the Flutter app on Android using : `Flutter Run`,
- verify service like authentication, Firestore or analytics, through the firebase console.

Conclusion:-

I have successfully completed this experiment and understood and learned about how to implement Firebase in our flutter app and I have implemented it in my application `cricket`.

Authentication

Users Sign-in method Templates Usage Settings Extensions

1 The following Authentication features will stop working when Firebase Dynamic Links shuts down on August 25, 2025: email link authentication for mobile apps, as well as Cordova OAuth support for web apps.

Search by email address, phone number, or user UID

Add user

Identifier	Providers	Created ↓	Signed in	User UID
nyethart54@gmail.com		Mar 5, 2025	Mar 16, 2025	7e14f8a3a9d01718c07d0d0f

Rows per page

50

1 - 1 of 1

Authentication

Users Sign-in method Templates Usage Settings Extensions

Sign-in providers

Add new provider

Provider	Status
Email/Password	Enabled

Advanced

SMS Multi-factor Authentication

Allow your users to add an extra layer of security to their account. Once enabled, integrated and configured, users can sign in to their account in two steps, using SMS. [Learn more](#)

★ MFA and other advanced features are available with Identity Platform, Google Cloud's complete customer identity solution built in partnership with Firebase. This upgrade is available on both the Spark and Blaze plans.

Upgrade to enable

21:41

100%

Profile



hdgh

hjadhav866@gmail.com

Logout



New Match

History

Teams

Profile