TASK 4

Statement:

You are supposed to integrate Firebase database into your android app through which you can fetch information from the database and also send notifications to all the users.
You are expected to do the following:

1. Create an android project in firebase and integrate it with your android app.
   You may follow: Firebase Android Project
2. You might have received notifications about SWG events many times by now. It is time now for you to learn how to send the notifications.
   Integrate Notification System in your android app so that you can push notifications from firebase about any upcoming event of SWG.
   You may follow: Send Notifications from Firebase

3. In your previous task you have worked on creating a custom cardview list of societies of KGP.
   Just to recall, the following was a part of your previous task: *"The first activity will have a heading named "Clubs and Societies", a list view having the list of few societies of kgp, and a button at the bottom.The listview will have a custom card view in it and each card view will consist of the logo of the society, name and a short intro about the society. For example, for a cardview, the heading can be "Student Welfare Group", a description "To help the students in improving their skills, attitude and provide resources" and SWG logo as the image. "*

   Now, what if you wish to add a new society to the list? Changing the source code is definitely not a good option in a real scenario.
   Firebase Realtime Database lets you do this very easily!

   <u>**Your Task:**</u>
   a) Create a form-like activity to take input of all the required data of societies (name, description, society logo, link to fb page), after submitting the form, store the data in the firebase real time database.
   b) Make another activity to fetch the data of societies from firebase realtime database (name, description, society logo, link to fb page) and display it in cardview/recycler view similar to the previous task.
   You may follow these videos: 1)   Storing to database
                                                        2)   Fetching data
                                                        3)   Fetching data (2)

Materials:

1. Firebase Realtime Database: [setup1](), [setup2]()
2. Storing to database: [stor1](),
3. Fetching Data: [fetch1]()
4. Notification: [video]()
5. Automate FCM by topic: [material]()

Feel free to follow any other useful resources.

Deadline:

7 days, 29-08-2021