Dear Participant,

Welcome to the **Stage 3** of Mobile application development internship and congratulations on completion of task 2. Task-3 is based on the idea of building a virtual assistant for the teachers and professors. It's whole motive will be to help teachers to ease their jobs. Most of the functionalities in Task 3 will be based on Task 1 and Task 2. And always **remember,**

" Bring your idea to life and get set up for success! **"**

TASK 3 :
Prerequisites:

Android studio / VS Code

Technology Stack to be used:

- Android Studio(Java/Koitlin) Firebase
- React Native
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Tasks:
1- Aim of the Task:- To make a Virtual Teacher Assistant.
2- Sections to be made:-

- Splash Screen
- Registration-Activity
- Login-Activity
- Home Page-Activity:-

(I) PDF Maker
(II) Time Table Viewer
(III) Reminder
(IV) Document Storage
(V) To-do List
(VI) Calculator
(VII) POC Section

(i) **Splash Screen-** This is the welcome screen displaying the name or logo of the application.
(ii) **Registration Activity:-**The user registers himself into the application using E-mail id and password. Use firebase authentication.
(iii) **Login-Activity:** - Logins the user into the Firebase database or checks if the user is already registered into the database. Takes E-mail and password as input.
(iv) **Home Page Activity:-** This activity contains all the functionalities of the application. Try to make the UI as interactive as possible. The functionalities are as follows:-

a. PDF Maker- This functionality accepts strings from the user and creates a PDF in the file manager.

b. Time Table Viewer- This functionality enables the user to view his/her time table.

c. Reminder- This functionality enables the user to set reminders of a specific date and time. You can link your application to google calendar too.

d. Document Storage- This functionality enables user to store various documents.

e. To-do List- This functionality helps user to jot down daily tasks and assignments .

f. Calculator- This functionality eases the user on calculations.

g. POC Section- This functionality enables the user to access the contact information of all the CRs of all the branches. You can **keep the information static**.

So, basically you will have to build an app that upon Startup asks the user to login, if not registered it allows the user to register upon tapping the Create Account button/text view. After successful Registration the App redirects back to login page and allows the user to login. After logging in the user is directed to the home page where you have all the functionalities of the application.
DO KEEP THE HOMEPAGE LAYOUT SIMPLE. CREATE TILES FOR EACH FUNCTIONALITY BUTTON AND IMPLEMENT BUTTON ELEVATION(keep the buttons elevated, kind of a 3d effect).

WIREFRAMES: -

REGISTRATION ACTIVITY -> LOGIN ACTIVITY(IF NOT REGISTERED)

LOGIN ACTVITY -(IF REGISTERED)

HOME PAGE ACTIVITY(AFTER SUCCESFUL REGISTRATION/LOGIN)

RESOURCES: -

- TUTORIAL LINKS: - https://www.udemy.com/course/learn-android-application-development-y/
- FIREBASE LOGIN TUTORIAL: - https://www.youtube.com/watch?v=V0ZrnL-i77Q
- React Native Tutorial- https://www.youtube.com/watch?v=WAyjIfew8VU&list=PLB97yPrFwo5gxB5SuNWzH73t2Su65KN2f&index=31
- PDF generator tutorial-https://www.geeksforgeeks.org/how-to-generate-a-pdf-file-in-android-app/
- Google Authentication- https://firebase.google.com/docs/auth/android/google-signin

LAST DATE OF SUBMISSION:

30/07/2021

Lastly, make sure you give your maximum effort on this task because the **partnering companies will be judging you on the basis of your Task 3 applications.**
After all, it's not about how great your app is, but the effect it has on the organization.