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4. Introduction

4.1 Overview of Project

The Business Incubator helps young entrepreneurs to connect with other entrepreneurs of U. V. Patel College of Engineering. The Business Incubator application can help students to directly connect to E-Cell UVPCE. It can also be helpful to connect with other registered users as well.

4.2 Scope of Project

Using this application students can directly connect with E-Cell UVPCE. It can also be helpful to connect with other student entrepreneurs and ask for help whenever required. The E-Cell can keep a track of students registered in their application how they are working among each other

4.3 Purpose of Project

Many a times, students with innovative idea don't find a platform or proper contact to whom he can explain it and implement it. Not all the students have all skills required to implement their idea. On submitting their idea through this application, student can get possible help from E-Cell.

Registered users can contact each other and ask for help if they need. For example, sometimes it happens that a person with coding skills need to work on project, but he/she might not be having any idea on what to work. And on other hand who has an idea of great application, but not comfortable with coding. So that type of students can find each other on this application and work together.

Even the E-Cell can keep the track of ideas they received and interested students. Students can join WhatsApp group of E-cell UVPCE through this application. E-Cell can contact all registered users via that group. Students can go to Facebook page and get all the updates of E-Cell UVPCE through this application.

5. Hardware and Software Requirement

- An android smart phone with android version minimum 7.0 i.e. the Nougat version.
- Maximum android versions 8.0 i.e. Oreo
- A Firebase Account
- Android Studio
- A working desktop/laptop with minimum 8 GB ram

6. Main Modules of Project

6.1 User Management

A login/register page is basically first module of every project. It authenticates the user and allows him/her to proceed to next screen only if correct credentials are entered. On first time registering to this application, it will ask for your full name, active email ID, password which you want to set, your mobile number on which you want people to contact you (Preferred WhatsApp number), and most importantly what is your speciality i.e. on what, which field you can/want to work.

6.2 Home Page (Navigation)

So this will be the first page user will see after successfully registering or logging in into the application. It provides the basic information that what business incubator is and how can it be helpful to you people. This is the only page from where user can logout from the application. On exiting from any other page, will not log out user and on next time reopening the app, this will be the page from where it will start. This page is main entry point of other activities user can perform.

6.3 Submit Idea

On selecting 'idea', from navigation page, user will be directed to different activity, where he/she can read what it is to start a startup and how it be successful. There is button at last from where the user can submit his/her idea to E-Cell UVPCE. If it is logical and practically possible, E-Cell UVPCE will revert back to them with possible help they can provide to user.

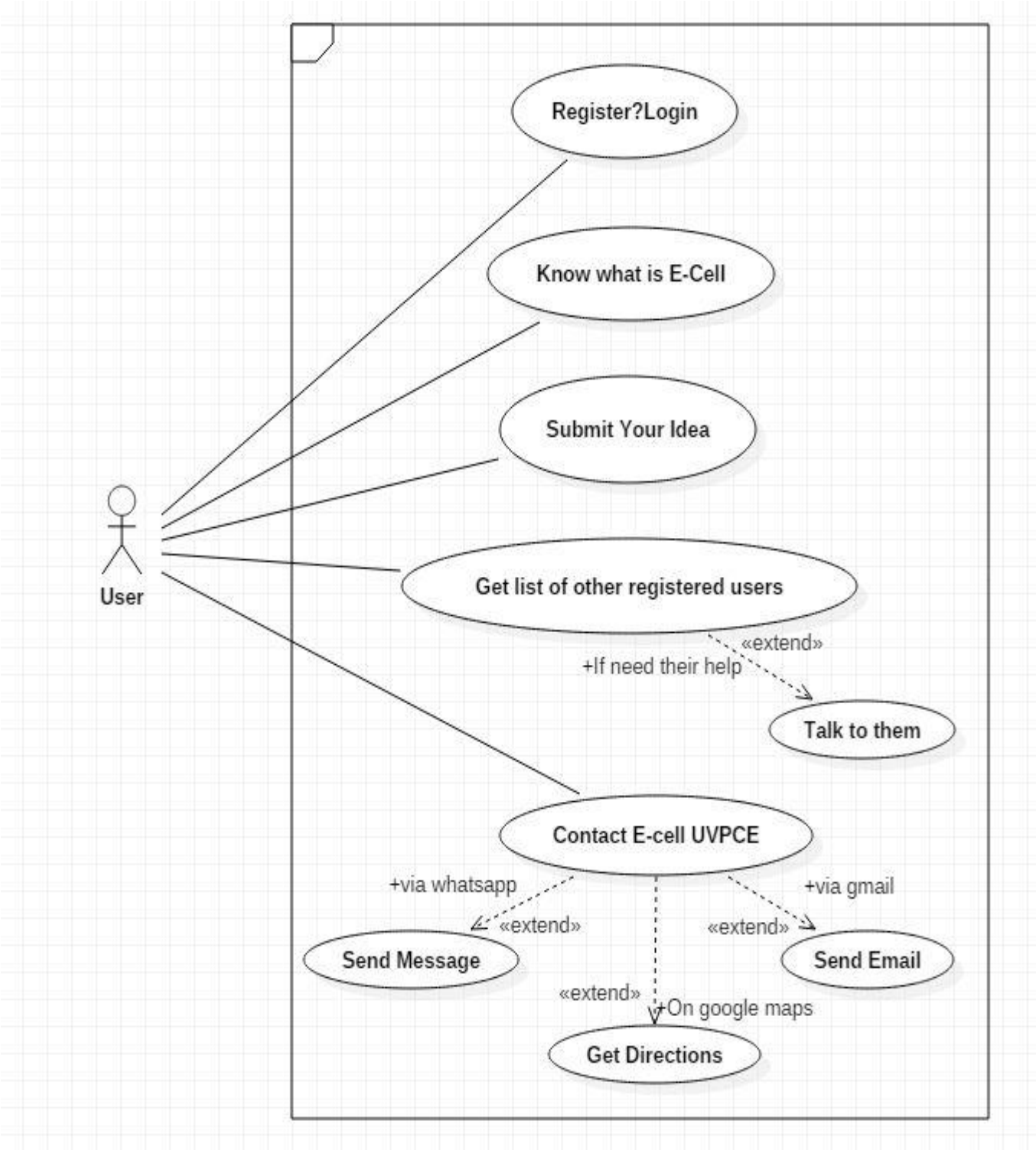
6.4 Get List of Registered Users & Join WhatsApp Group of E-Cell UVPCE

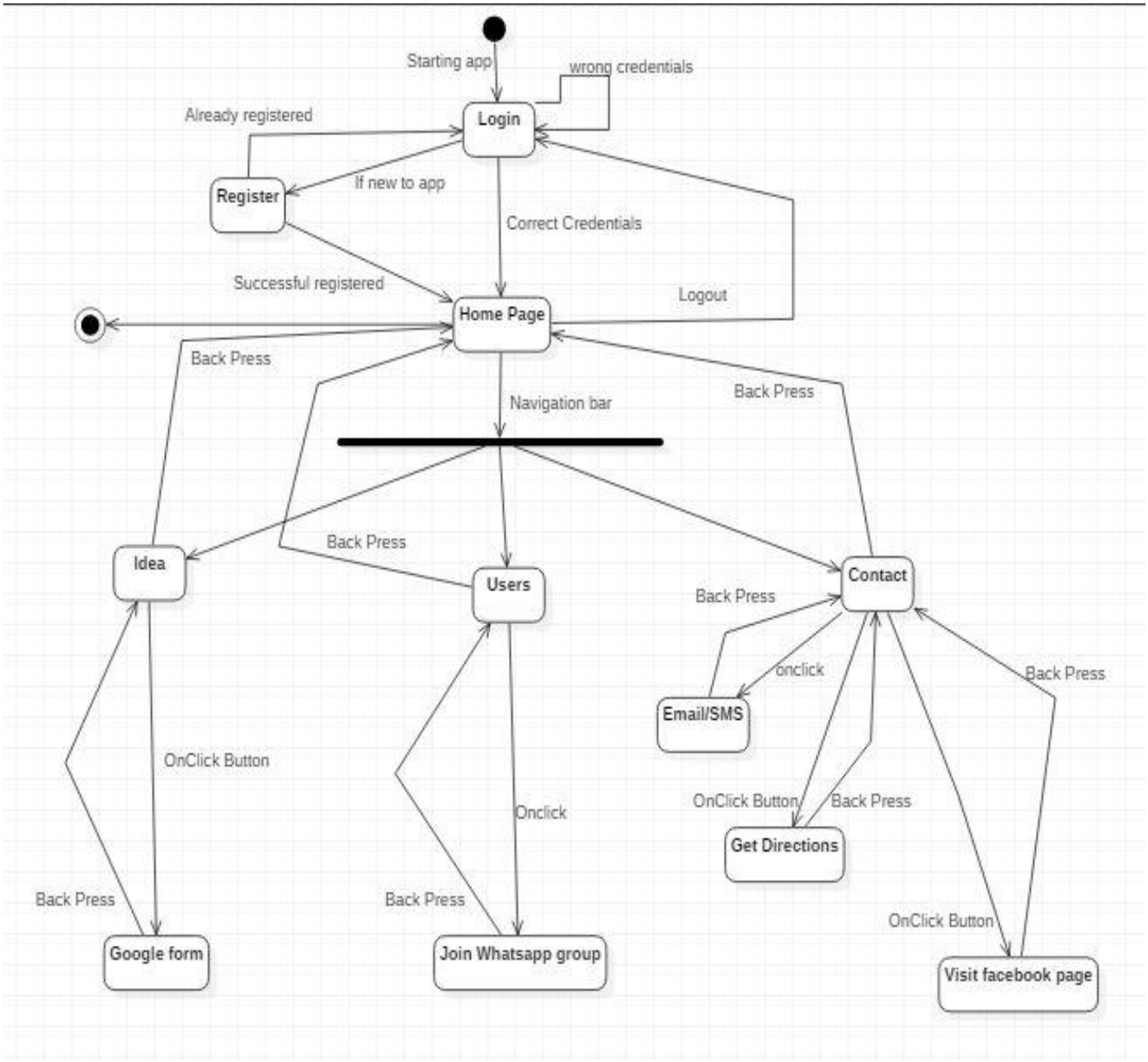
On selecting 'users', user can get list of other registered users along with their personal details like name, email ID, contact number and most importantly specialty of that person. User can also join WhatsApp group of E-Cell UVPCE from here and get updates provided by team E-Cell UVPCE.

6.5 Contact E-Cell UVPCE

Lastly, User can directly contact team E-Cell UVPCE, via SMS or Gmail. Personal details of every team member is displayed there. Link to get updates from Facebook page is also available. And detailed location of E-Cell UVPCE i.e. New Building, UVPCE, Ganpat University is also available on single click along with direction from user's current location.

7. System Flow Chart of Implementation




Starting app
wrong credentials
Already registered
Login
Register
If new to app
Correct Credentials
Successful registered
Logout
Home Page
Back Press
Navigation bar
Back Press
Idea
Back Press
Users
Contact
Back Press
onclick
Back Press
Email/SMS
OnClick Button
Onclick
OnClick Button
Back Press
Get Directions
Back Press
Back Press
OnClick Button
Google form
Join Whatsapp group
Visit facebook page

8. Data Dictionary

Column Name	Data type	Description
Email	String	To verify while logging in and for other users to contact.
Name	String	Simply for identity
Password	String	To maintain the security of their account.
Phone	String	So that other user can contact them personally if required.
Speciality	String	So that other users can know at what you are good.

Table 1: Database

9. Implementation Details with snap shot

Splash Page

This is the first launching activity which will be displayed every time the application will be started.

Figure 1

Login Page

After splash activity, login page will be shown. It will be shown only if application is started for first time. It will be also displayed when user will logout from the application. If the user is registered and will enter correct credentials, it will proceed to home page. If user has not registered, he/she can get registered by clicking “not a member yet? Click here”. After that user will be directed to register page. On clicking “Already a member? Login here” user will be taken back to login page. Credential verification is also done using firebase authentication.

API: compile 'com.google.firebase:firebase-auth:15.0.0'

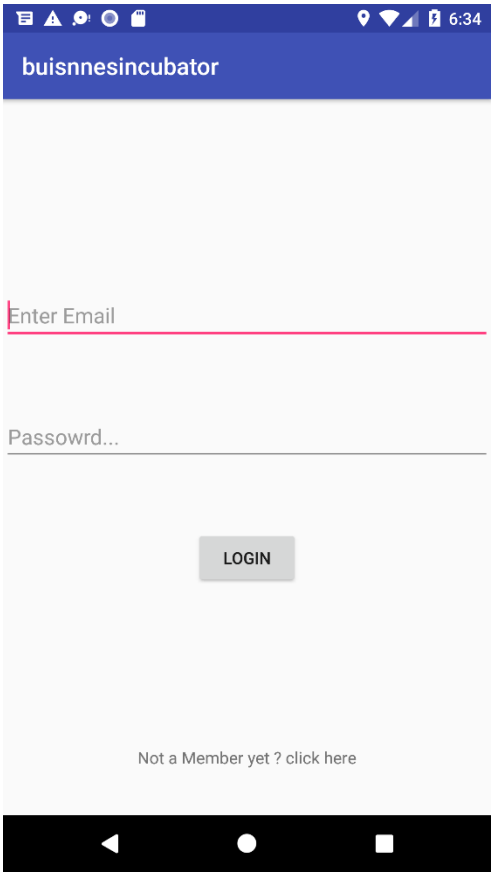


Figure 2

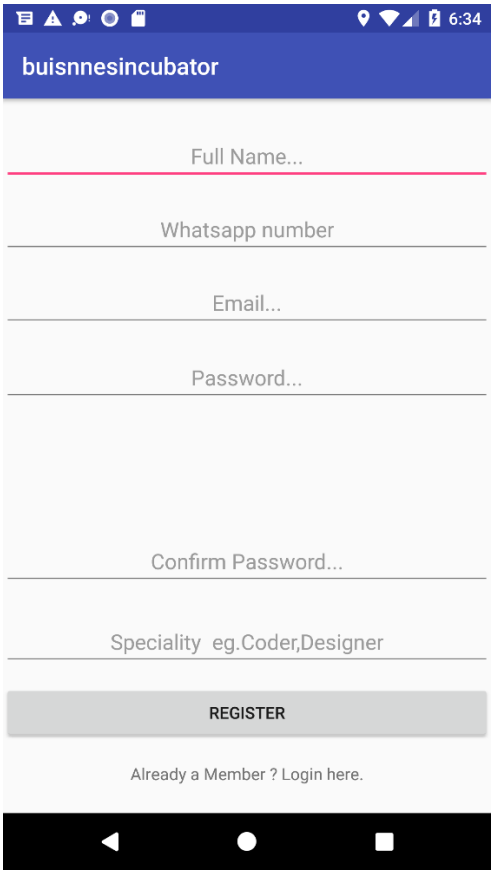
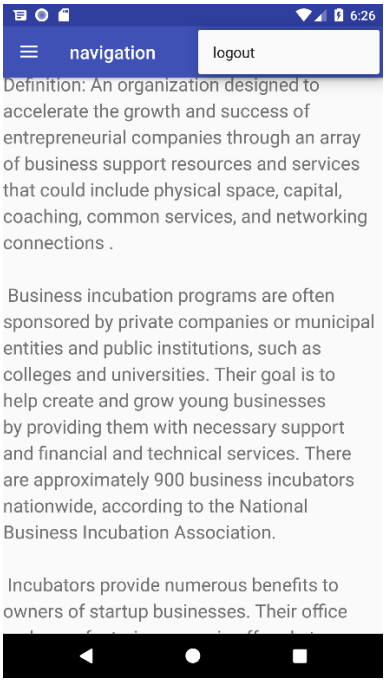


Figure 3

Home Page

This is page where user will be coming after successfully registering or entering correct credentials on login page. This page shows what business incubator is and how it can be helpful to users.

The navigation activity on left side can take users to different page while there is option menu on top right corner which has logout option. In clicking there user can successfully go to login page.



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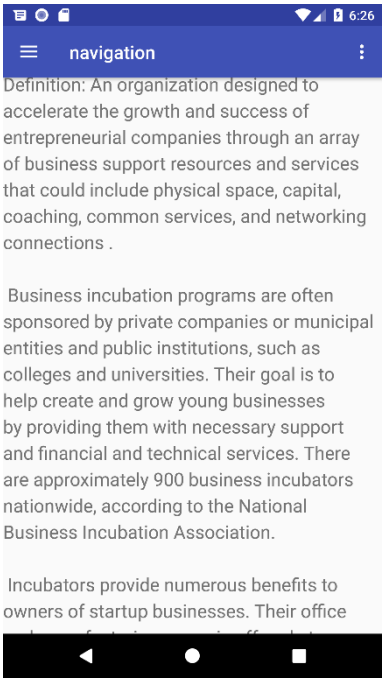

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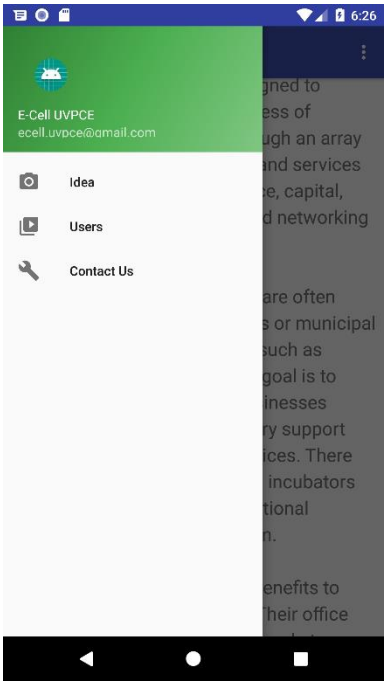
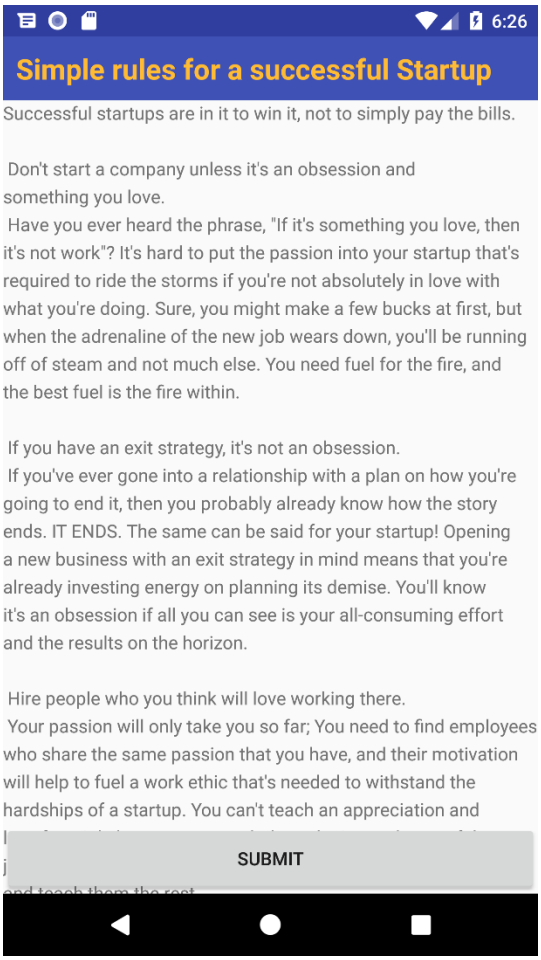


Figure 6

Idea

Here user can read simple rules of what it takes to make a successful startup. On clicking a button below the rules, user will be redirected to a google form where he/she can submit idea to team E-Cell UVPCE. Once the idea is submitted, the team will look at it and revert back accordingly with whatever help they can provide.



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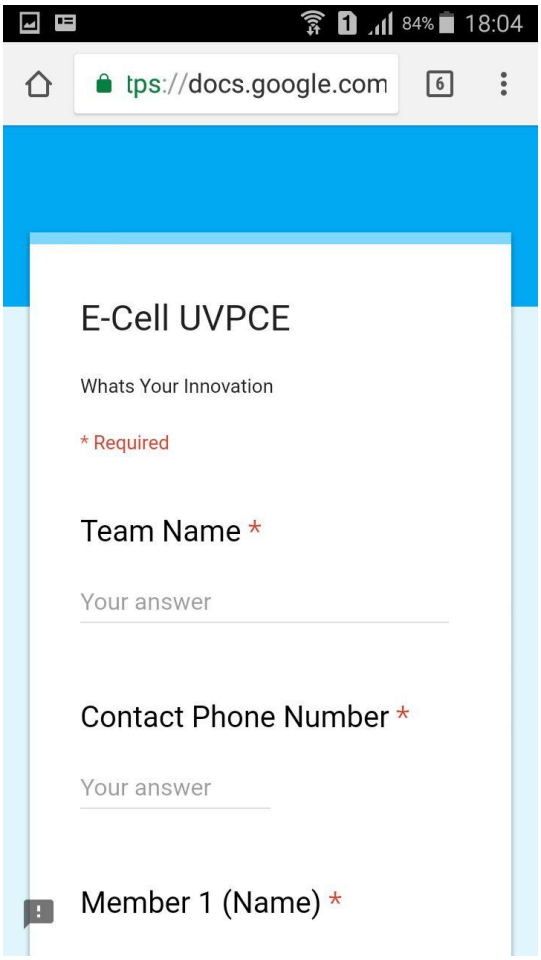

Figure 8

Users

On this page, there is list of registered users along with their contact details. User can contact them anytime and ask for help. This page is using recycler view and firebase recycler adapter method. It will be automatically updated on registering new user. There is also a text at bottom saying " Join WhatsApp group", on clicking that, user will be redirected to WhatsApp and they will be asked, whether they want to join E-Cell UVPCE group or not.

API: compile 'com.android.support:recyclerview-v7:27.1.1'

compile 'com.firebaseui:firebase-ui-database:3.3.0'

compile 'com.android.support:cardview-v7:27.1.1'

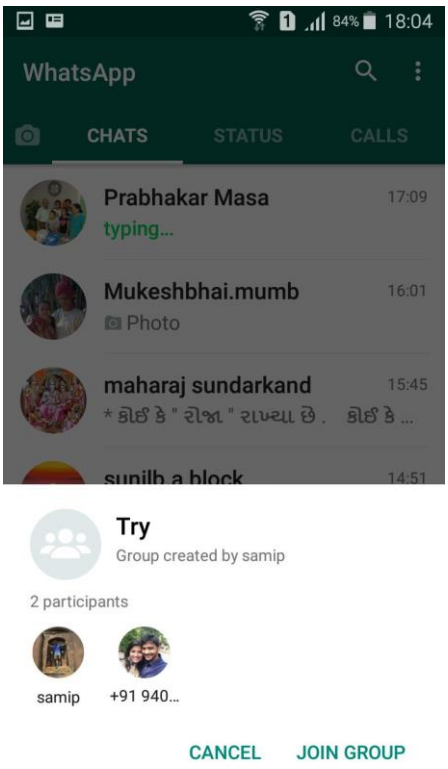

Figure 9

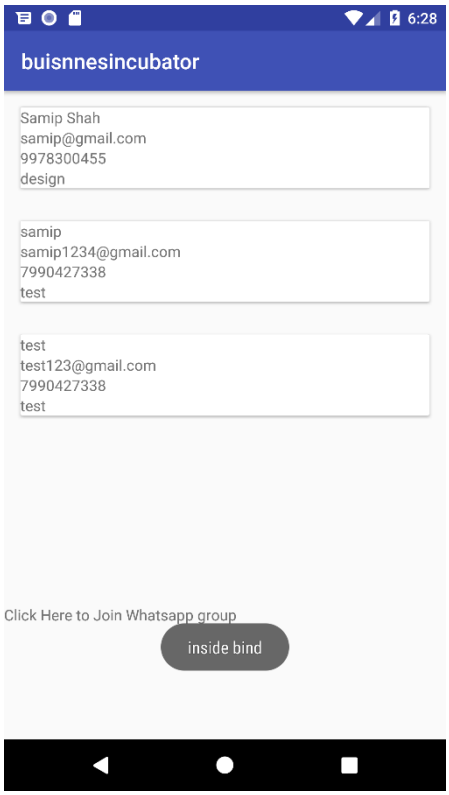

Figure 10

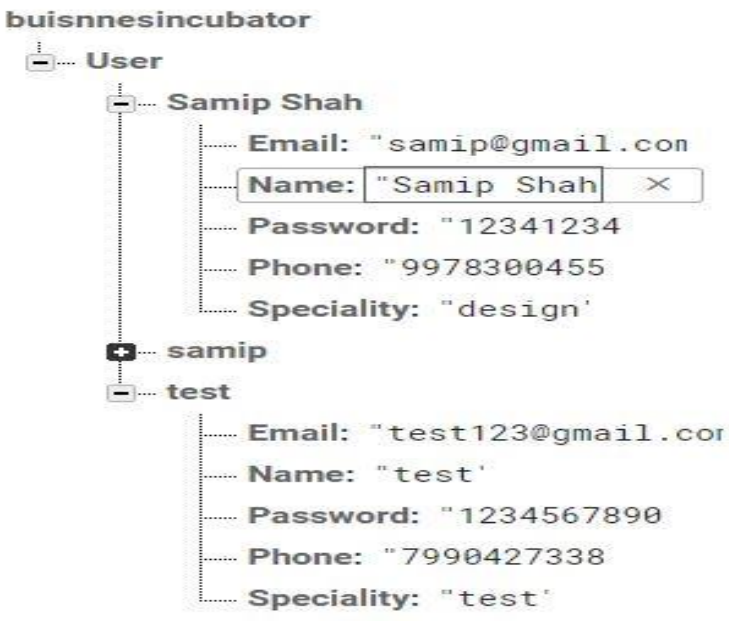
buisnnesincubator
User
Samip Shah
Email: "samip@gmail.con
Name: "Samip Shah
Password: "12341234
Phone: "9978300455
Speciality: "design'
samip
test
Email: "test123@gmail.cor
Name: "test'
Password: "1234567890
Phone: "7990427338
Speciality: "test'

Figure 11

Contact Us

This page, helps user to directly contact the team E-Cell UVPCE. It has expandable list view, which will help user to get contact details of every member on clicking their name. On clicking on email ID, user will be redirected to its mail composer (user will be asked to select). On clicking user will be redirected to standard SMS application where user can send it directly to Team member. There are two buttons below that. First one is Directions, on clicking that, user will be redirected to google maps and it will be showing location of E-Cell uvpce and user can simply get directions from his current location. Next one is Facebook, where user will be taken to E-Cell UVPCE Facebook page.

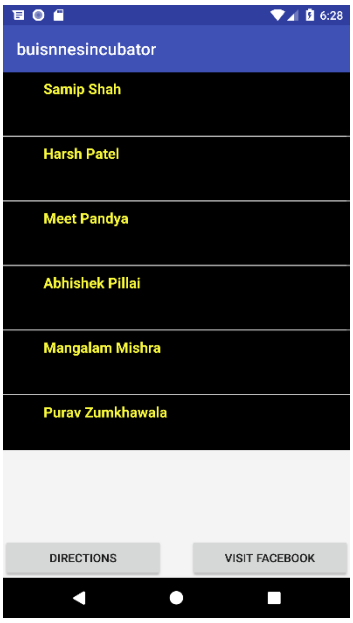

Figure 13

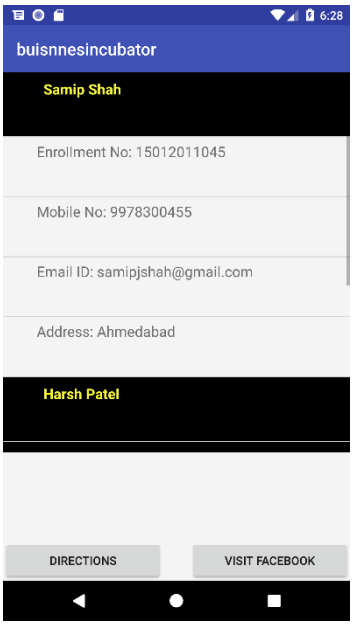

Figure 12

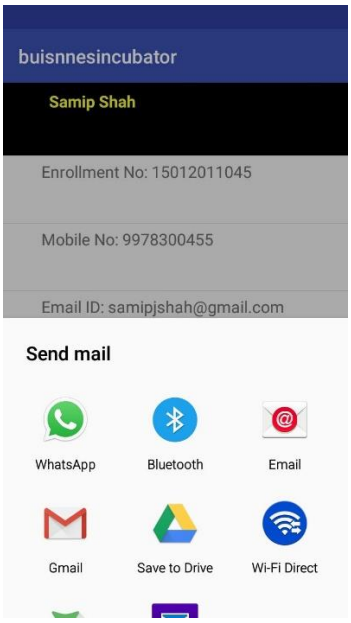

Figure 14

Figure 15

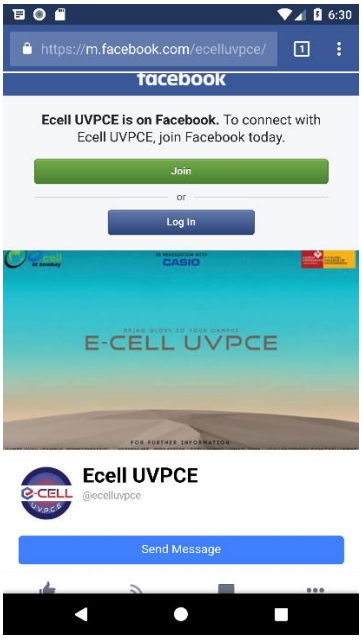

Figure 16

10. Further Enhancement

- An activity, where users will get updates about previous and future events by E-Cell UVPCE.
- Personal chat feature where users can talk to each other in application only.
- Direct calling from application to team members and other users.
- An activity, where users can read success stories of few entrepreneurs and watch videos.