A Project Report

on

LOCATION TRACKER OF MOBILE PHONES

Submitted in partial fulfillment of the

requirement for the award of the degree of

Program Name with Specialization

(Established under Galgotias University Uttar Pradesh Act No. 14 of 2011)

Under The Supervision of

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CANDIDATE'S DECLARATION

I/We hereby certify that the work which is being presented in the project, entitled **" :
LOCATION TRACKER OF MOBILE PHONE "** in partial fulfillment of the requirements for the
award of the **BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING**
submitted in the **School of Computing Science and Engineering** of Galgotias University, Greater
Noida, is an original work carried out during the period of **JULY-2021 to DECEMBER-2021**,
under the supervision of **Mr.S.KALIDAS**, **Department of Computer Science and Engineering** of
School of Computing Science and Engineering , Galgotias University, Greater Noida

The matter presented in the project has not been submitted by me/us for the award of any

otherdegree of this or any other places.

19SCSE1010860- AMAN SINGH

19SCSE1010431 - RAVI KUAR SAINI

This is to certify that the above statement made by the candidates is correct to the best of

my knowledge.

Supervisor

Mr.S.kalidas

CERTIFICATE

The Final Thesis/Project/ Dissertation Viva-Voce examination of **19SCSE1010860 -   AMAN SINGH(19SCSE1010431) - RAVI KUMAR SAINI** has been held on _____and

his/her work is recommended for the award of **BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING**.

Signature of Examiner(s)   **Signature of Supervisor(s)**

Signature of Project Coordinator   **Signature of Dean**

Date

ACKNOWLEDGEMENT

I thank the almighty for giving us the courage and perseverance in completing the main project
.

This project itself is acknowledgment to all those people who have given us their heartfelt co

operation in making this project a grand success.

I am greatly indebted to project guide Mr.S.kalidas, Assistant Professor, Computer

Science, and engineering, for providing valuable guidance at every stage of this project work.

I am profoundly grateful for the unmatched services rendered by him.

Our special thanks to all the faculty of Computer Science and Engineering and peers for their

valuable advises at every stage of this work.

ABSTRACT

Nowadays, it is highly possible to adapt mobile computing in various applications. The

portability, open source nature of smart phones and android development platform has made

the development of application software for various environments as handy. Smartphone

applications are resulted in paper less work, easy to use and time saving in nature. The wireless

communication technology of smart phone enables the information transfer from the current

client to remote database server, wherever the network range is available

When a device goes from just working to actually making life easier, Android is behind it. It's the reason your GPS avoids traffic, your watch can text and your Assistant can answer questions. It's the operating system inside 2.5 billion active devices. Everything from 5G phones to stunning tablets, Android powers them all.

Android is open to everyone: developers, designers and device makers. That means more people can experiment, imagine and create things the world has never seen.

"Location tracker of mobile phone using androidand iso" is a mobile computing software Android application, which focuses on an activity or function, which is based on Tourist Guide. It is basically an application which works the same the Google Maps do. In this application, different activities are performed and are divided into different modules.
Note: In this application, Google Maps services are used in Simple and Efficient manner.

LITERATURE REVIEWS/COMPARATIVE STUDY

There are two people, namely, Aman and Ravi Both of them use Smartphones. Once they went to travel to Gorakhpur. They stayed at a Hotel which was in the Main market. They both started to search new locations to explore.
When Param was searching on Google Maps, many locations were shown, even those locations were shown, which were even out of his reach, i.e., very distant from him. And also, on seeing too many locations, he was confused on where to travel.
Meanwhile, Ashish was able to see only those locations which were very near to him, just in one click, and he was clear about which place to explore. This is because he was using "LOCATION TRACKER OF MOBILE PHONE USING ANDROID AND ISO" Application.

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INTRODUCTION

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2 METHOLOGY

DEVELOPER

➢ ANDRIOD STUDIO

➢ LAPTOP/DESKTOP

➢ KNOWLEDGE OF XML AND JAVA LANGUAGE.

USER

➢ A MOBILE HANDSET

➢ INTERNET CONNECTION**.**

FEASIBILITY ANALYSIS

- It is quite feasible.

- Free of Cost

- Consumes very less storage on the Device

- Java-based Application

- Easy to use

- Interactive GUI

- Works smoothly in Devices from Android 5.0 to Android 10.

- The main purpose is to provide the basic facilities which the people need.

- With this system, the tasks would be performed in appropriate amount of time and more efficiently.

- An additional benefit of this software is that during the rush hours, the load can be balanced effectively, and Maps would perform better than usual.

COMPLETE WORK PLAN LAYOUT

The main objective of this project is to develop an Application model, which basically focuses on Guiding the new Tourists/Travellers in a new City. In this project, all the major activities are performed by the **"GOOGLE MAPS".** All the data of the User gets stored under the highly secured Google Surveillance i.e. in "FIREBASE".

The main purpose is to provide the basic facilities which the people need. With this system, the tasks would be performed in appropriate amount of time and more efficiently. An additional benefit of this software is that during the rush hours, the load can be balanced effectively, and Maps would perform better than usual.

3. IMPLEMENTATION

The **Test Cases** below give an idea of what result must be obtained on performing a particular task.

- **Login Page:** The test cases involved are whether valid password and name are entered or invalid name and password entered.
- **Register Page:** The test cases included are-on the click of Register button.
- **Home Page:** The test cases included are-on the click of START button and LOGOUT button.
- **Location Page:** The test cases included are-on the click of Search Box, Hospitals button, Schools button, and Restaurants button.

LOGIN PAGE:

S.No.	Test	Excepted Result	Test Result
1	Enter valid email and password & click on LOGIN button.	Software should display Home Page.	Successful
2	Enter invalid email and password & click on LOGIN button.	Software should not display Home Page	Successful

REGISTER PAGE:

S.No.		Excepted Result	Test Result
1	Enter valid Email, Password, and Confirm Password & click on REGISTER button.	Software should display Login Page.	Successful
2	Enter invalid Email, Password, and Confirm Password & click on REGISTER button.	Software should not display Login Page.	Successful

HOME PAGE:

S.No.		Excepted Result	Test Result
1	Click on START Button.	Software should display the Location Page with User's Current Location.	Successful
2	Click on LOGOUT Button.	Software should display Login Page.	Successful

LOCATION PAGE:

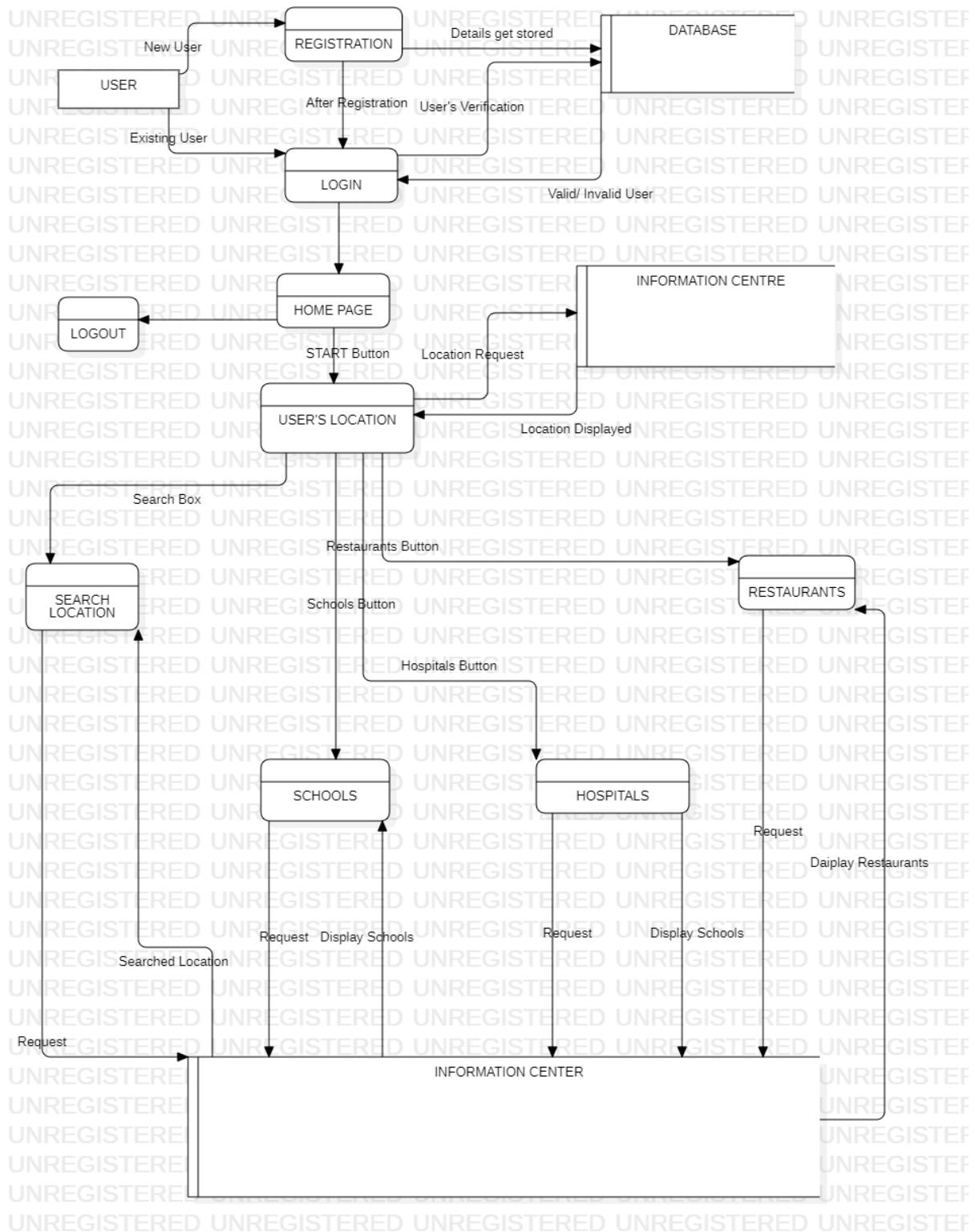| S.No.		Excepted Result	Test Result

1	Enter any Location in the world in the Search Box & click on Search Button.	Software should display the searched Location.	Successful
2	Click on Hospitals Button.	Software should display the nearest Hospitals.	Successful
3	Click on Schools Button	Software should display the nearest Schools.	Successful
4	Click on Restaurants Button	Software should display the nearest Restaurants.	Successful

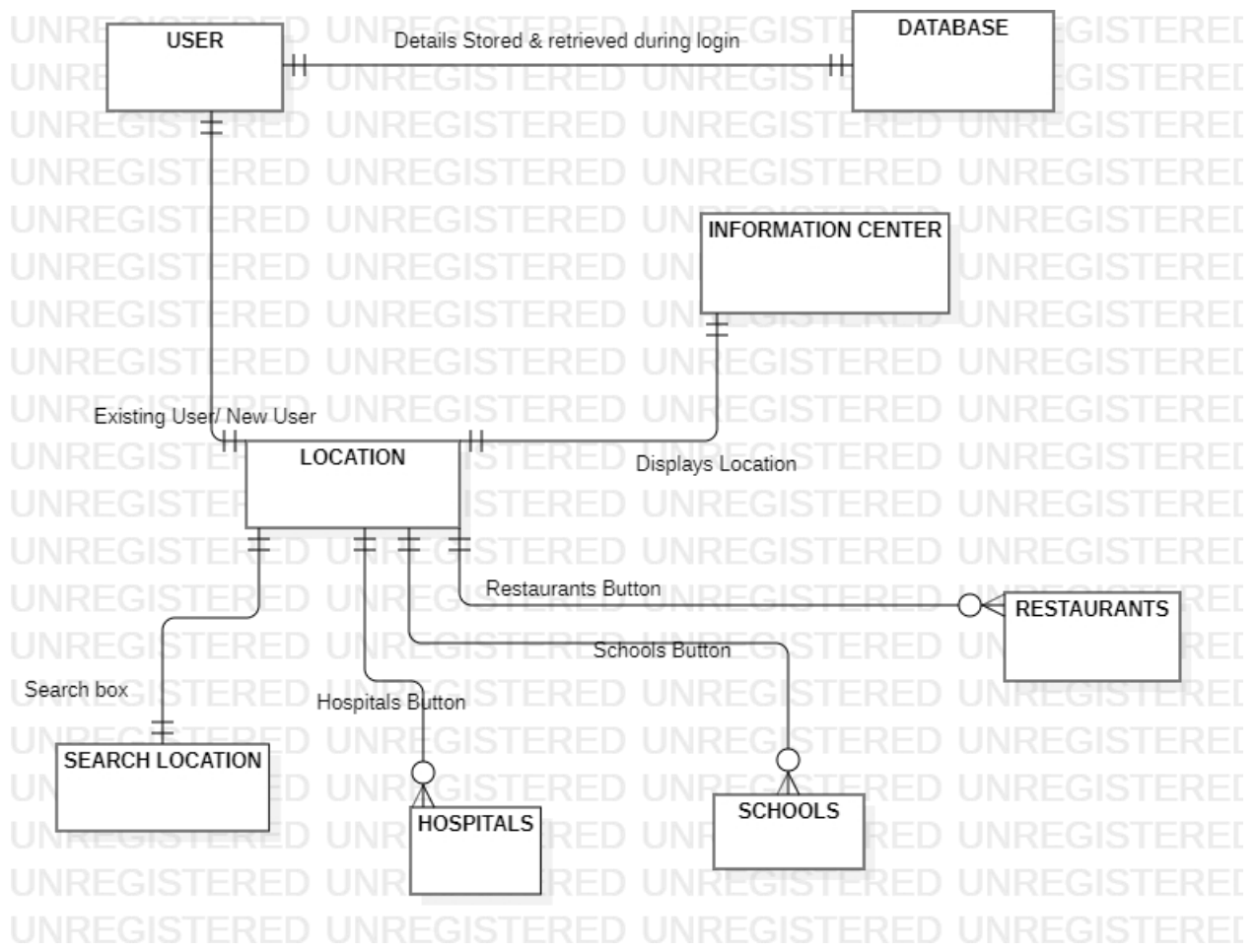**All the Cases are implemented successfully.**

- **User Management-** Developer manages the User of the Application.
-

4 : MODELING AND ANALYSIS

- **DATA FLOW DIAGRAM**

- **ER DIAGRAM**

- **USE CASE DIAGRAM**

TOURIST GUIDE SYSTEM

REGISTER

LOGIN

HOME PAGE

+Details

+Redirects

+Search

USER

USER'S LOCATION

+Retrieves Info

+Displays Location

LOCATION SEARCH

INFORMATION CENTRE

SCHOOLS

RESTAURANTS

HOSPITALS

LOGOUT

- **ACTIVITY DIAGRAM**

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```
                              ●
                                  Registered User
                   New User
         ┌──────────────────┐  Redirects  ┌──────────────────┐
         │ User Registration │ ──────────▶ │      Login        │
         └──────────────────┘             └──────────────────┘
                                                  │
                              Details Verifictation from Database
                                                  │
                                                  ▼
                                         ┌──────────────────┐
                                         │    HOME PAGE      │
                                         └──────────────────┘
                                                  │
                                                  ▼
                                         ┌──────────────────┐
                                         │  USER'S LOCATION  │
                                         └──────────────────┘
                                                  │
                                                  ◇
                              Search-box
         ┌──────────────────┐                              ┌──────────────┐
         │ SEARCH LOCATION  │                              │   SCHOOLS     │
         └──────────────────┘                              └──────────────┘
                    ┌──────────────┐    ┌──────────────┐
                    │  HOSPITALS    │    │ RESTAURANTS  │
                    └──────────────┘    └──────────────┘

                                         ◇
                                         │
                                         ▼
                                 ┌──────────────┐
                                 │    LOGOUT     │
                                 └──────────────┘
                                         │
                                         ▼
                                         ◉
```
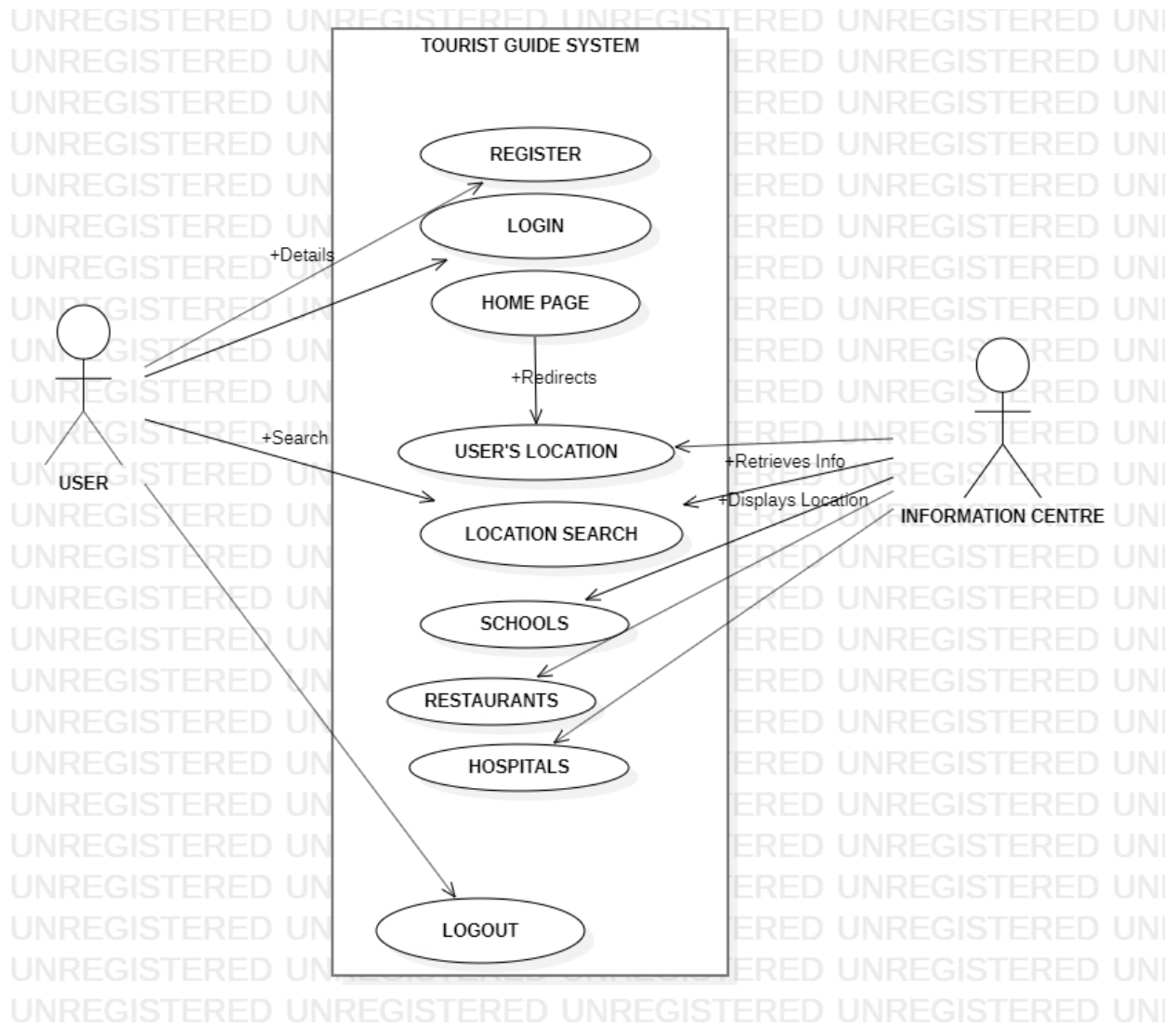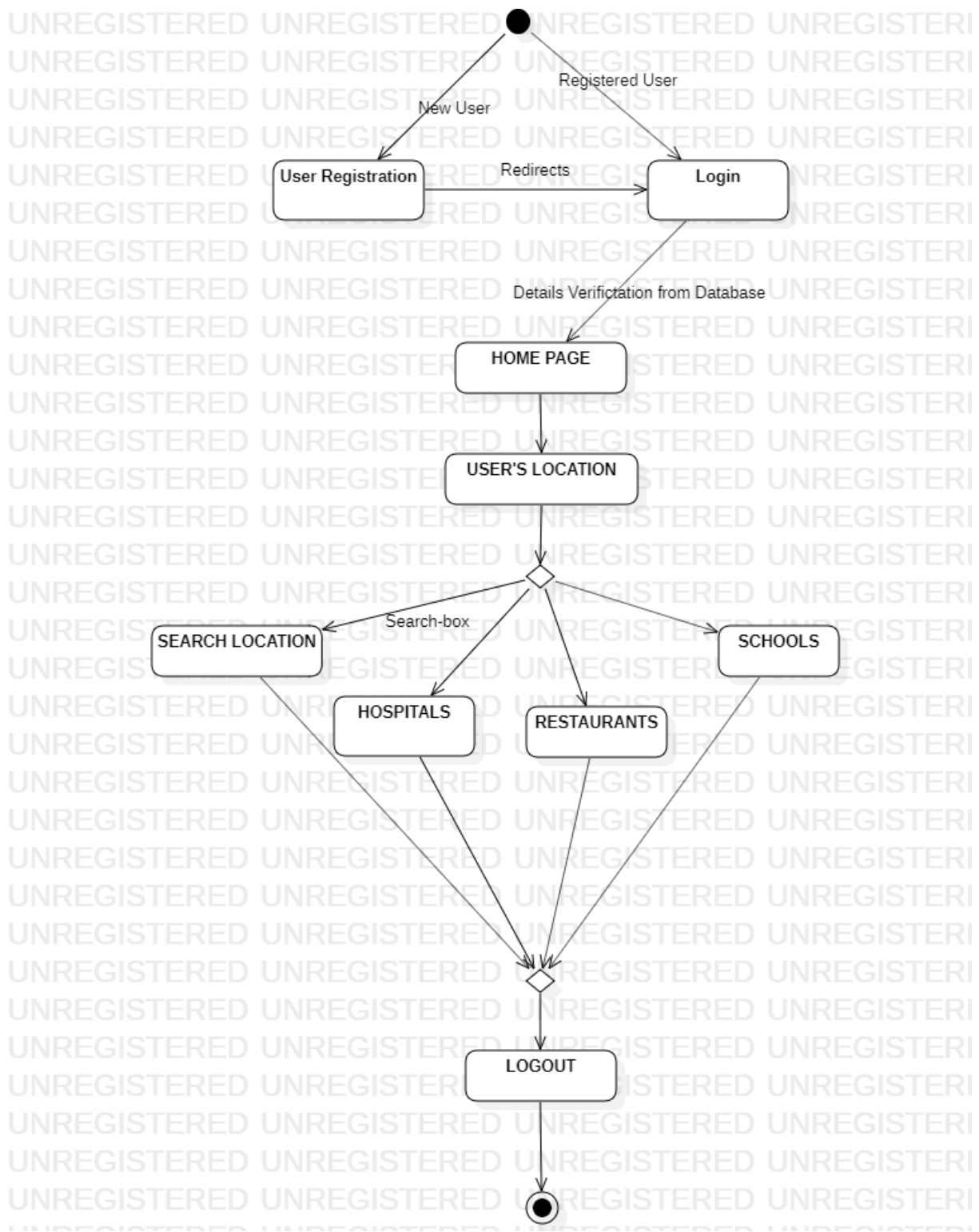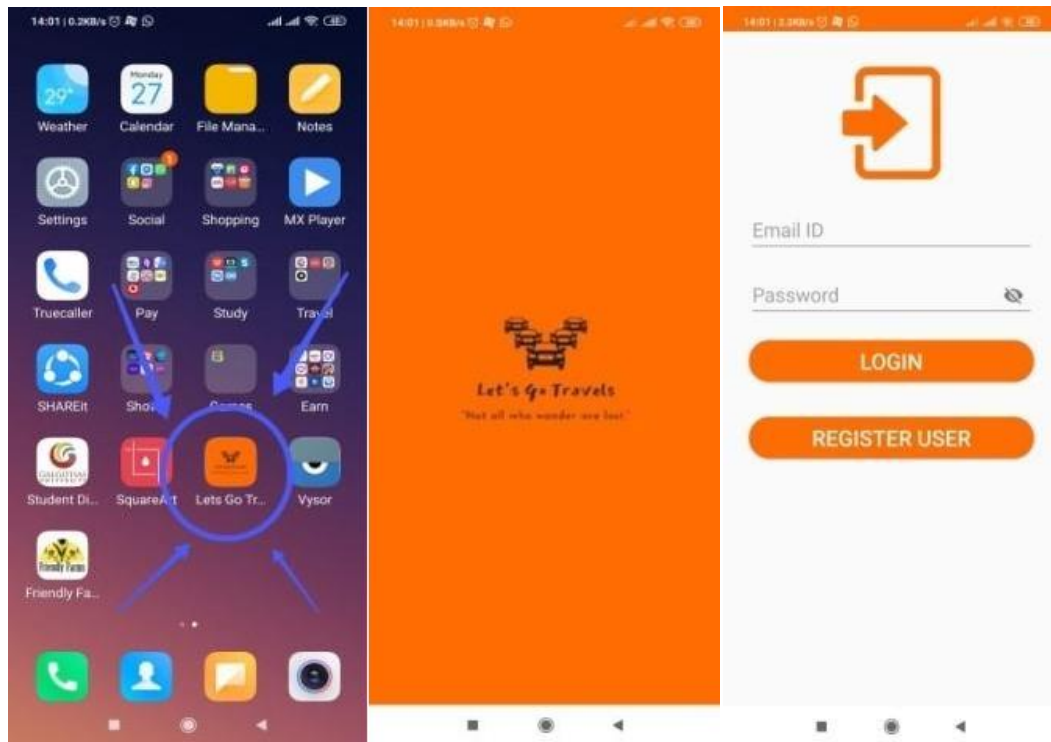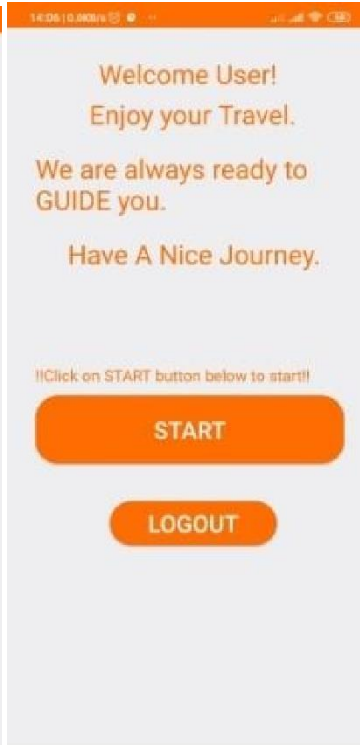
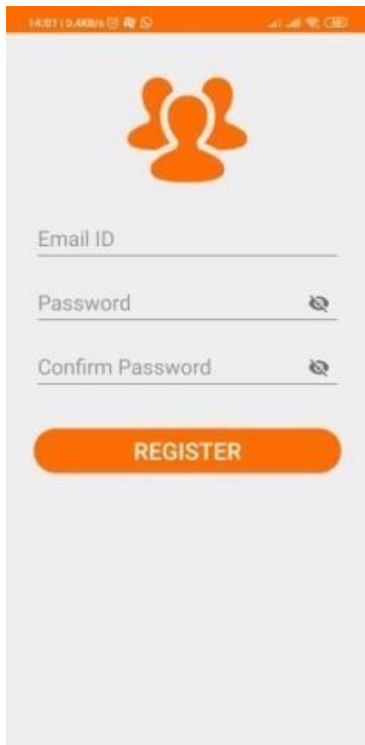# 5. RESULTS AND DISCUSSION

This project is used for following functions-

1 Track Commercial VehiclesWork Force Tracking

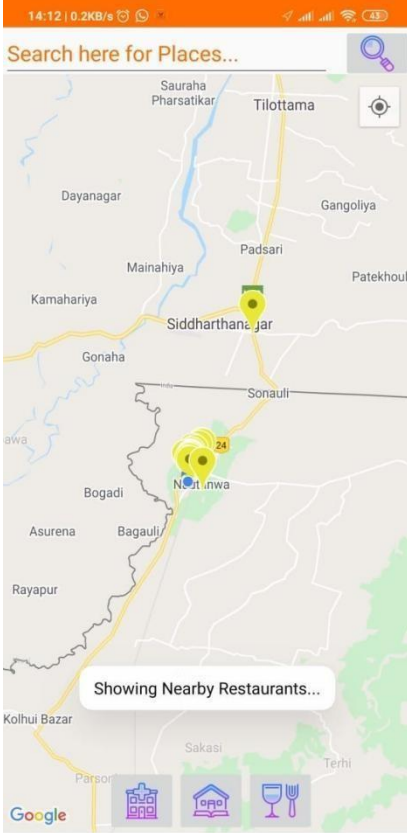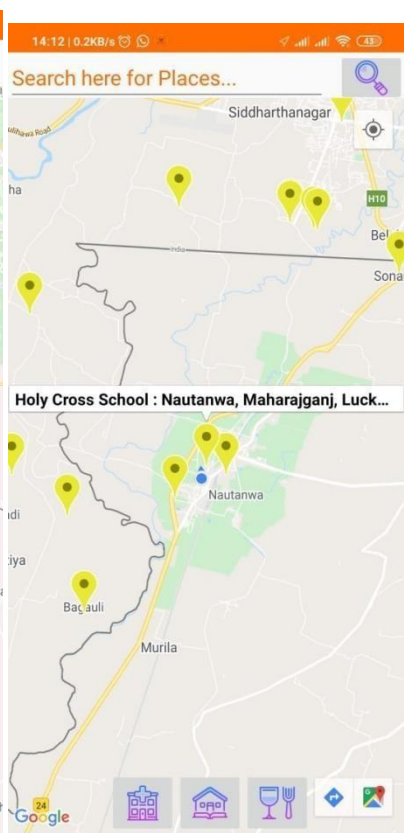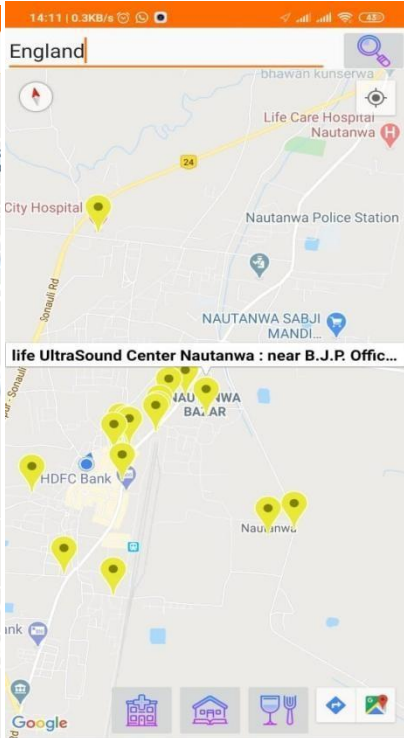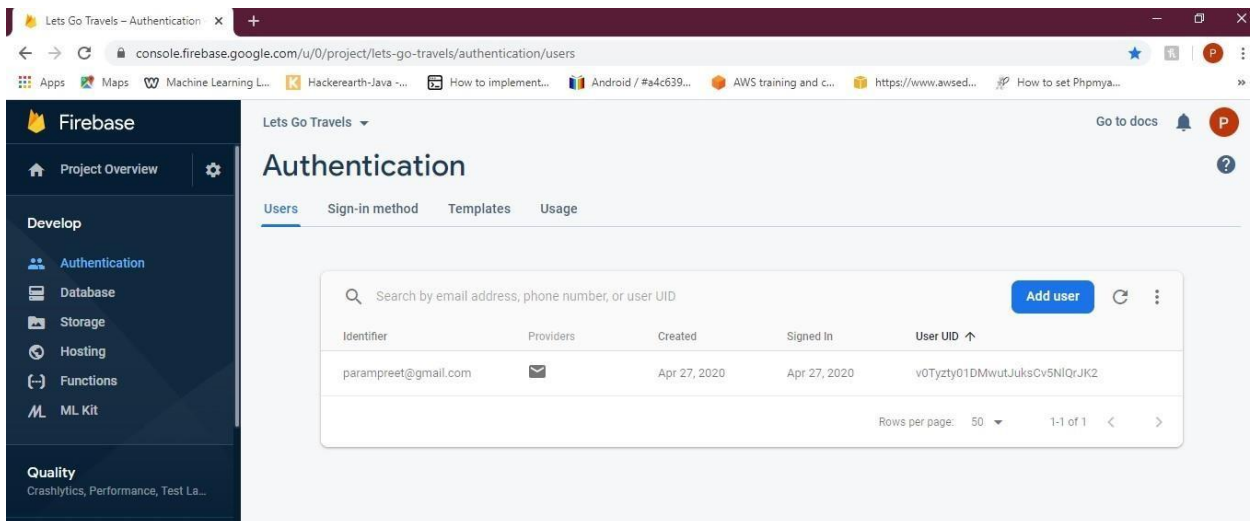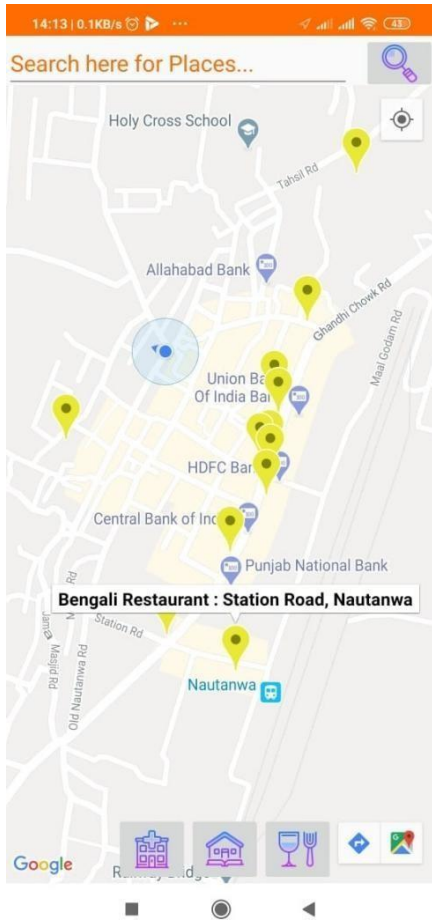2 Tourist Guide System serves the people all over the world at any time

3 This is an application which is particularly designed keeping in mind tghe different problems as stated above

OUTPUT SCREENSHOTS:

REFERENCES

1. https://developer.android.com

2. www.youtube.com

ROLE OF TEAM MEMBERS

- AMAN SINGH- Coding & Development of Application

- RAVI KUMAR SAINI- Designing of Application

- AMAN SINGH- Testing of Application