A
Project Report
On
"Smart Message"

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CERTIFICATE

This is to certify that the report entitled "**Smart Message**" is a bonafide work carried out by **Ms. Krupali Dobariya(18DIT014), Ms. Priyal Ramani(D19DIT082)** under the guidance and supervision of **Prof. Hardik Jayswal and Prof. Dipak Ramoliya** the subject **IT445 Software Group Project-IV** of 7thSemester of Bachelor of Technology in **Department of Information Technology, DEPSTAR** at Faculty of Technology & Engineering – CHARUSAT, Gujarat.

To the best of my knowledge and belief, this work embodies the work of candidate himself, has duly been completed, and fulfills the requirement of the ordinance relating to the B.Tech. Degree of the University and is up to the standard in respect of content, presentation and language for being referred to the examiner.

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Acknowledgement

The presentation of this report gives me the feeling of fulfillment. With immense pleasure we would like to present this report on this Dissertation report of **"Smart Message".**

We would like to take this opportunity to bestow our acknowledgement to the entire person who have directly or indirectly availed us in making my project feasible and to turn it up in to successful piece of work.

We take this opportunity to express our gratitude to the following personalities who have helped us throughout our project. Without their support this project would never have been completed. we are extremely thankful to them. We are thankful to our Department HOD **Dr. Amit Nayak**, who has provided me resources from the college and we are also very thankful Internal Guide **Prof. Hardik Jayswal and Prof. Dipak Ramoliya** who has provided their time and never-ending support. For their support and help, we heartily thank them. This project would be incomplete without them.

Abstract

- A Smart Message is a software developed to Scheduled notifications Automatically send without reminder filter from database
- The application provides an effective means of send the notification of student data like attendance, result and fees payment.
- The system is flexible to be used and reduces the timing.

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CHAPTER 1: INTRODUCTION

1.1: Project Definition

- This is an android application which can be used as for send notification automatically.

- You can schedule the message/notification to students/parents for their attendance, result, fees payment, greetings and etc.

- The main purpose to develop smart message system is to add more features in simple message application.

- It is essential for counselor, who does not have to remember for notifications.

- It is easy to implement in smart phone so that it prevents to forget to send notification.

1.2: Description

- This application is developed in Android Studio IDE. So, this application can run only in devices which are running on Android operating system.

- Firstly, we open Smart Message application in mobile then we can schedule the message to send and we can.

- It is so easy to access app.

- It also shows the notification on the notification bar to the target people's mobile when they will be gets notified.

- It sends the notification about result, fees payment, attendance, greetings and etc.

- It can send scheduled text message or mail to the students/parents.

CHAPTER 2: REQUIREMENTS

2.1: Software and Hardware Requirements

1) User Side :-

Software Requirements: Android phone with version 5.0 or above.

Hardware Requirements: RAM :   minimum 512 MB.

                                 Disk Space : minimum 1 GB (recommended).

2) Developer Side :-

Software Requirements: Android Studio

Hardware Requirements: RAM :   minimum 1 GB.

                                 Disk Space : minimum 4 GB (recommended).

System Interfaces:

- An interface is a shared boundary across which two separate components of a computer system exchange information.
- List each system interface and identify the functionality of the software to accomplish the system requirement and the interface description to match the system. These are external systems that you have to interact with. For instance, if you have made Smart Message application that interfaces with user.
- It's developed in an android studio with java in the laptop then run on mobile.
- In the mobile operating system have windows / android 5.0 or 6.0 or above version.
- System take few seconds to open the app in mobile.

User Interfaces:

- System provides spinner to schedule the message for the user
- It provides user friendly GUI.
- User clicks on the application icon in mobile and start the application.

Chapter 3: MAJOR FUNCTIONALITY

In this application, major functionalities are as follows:

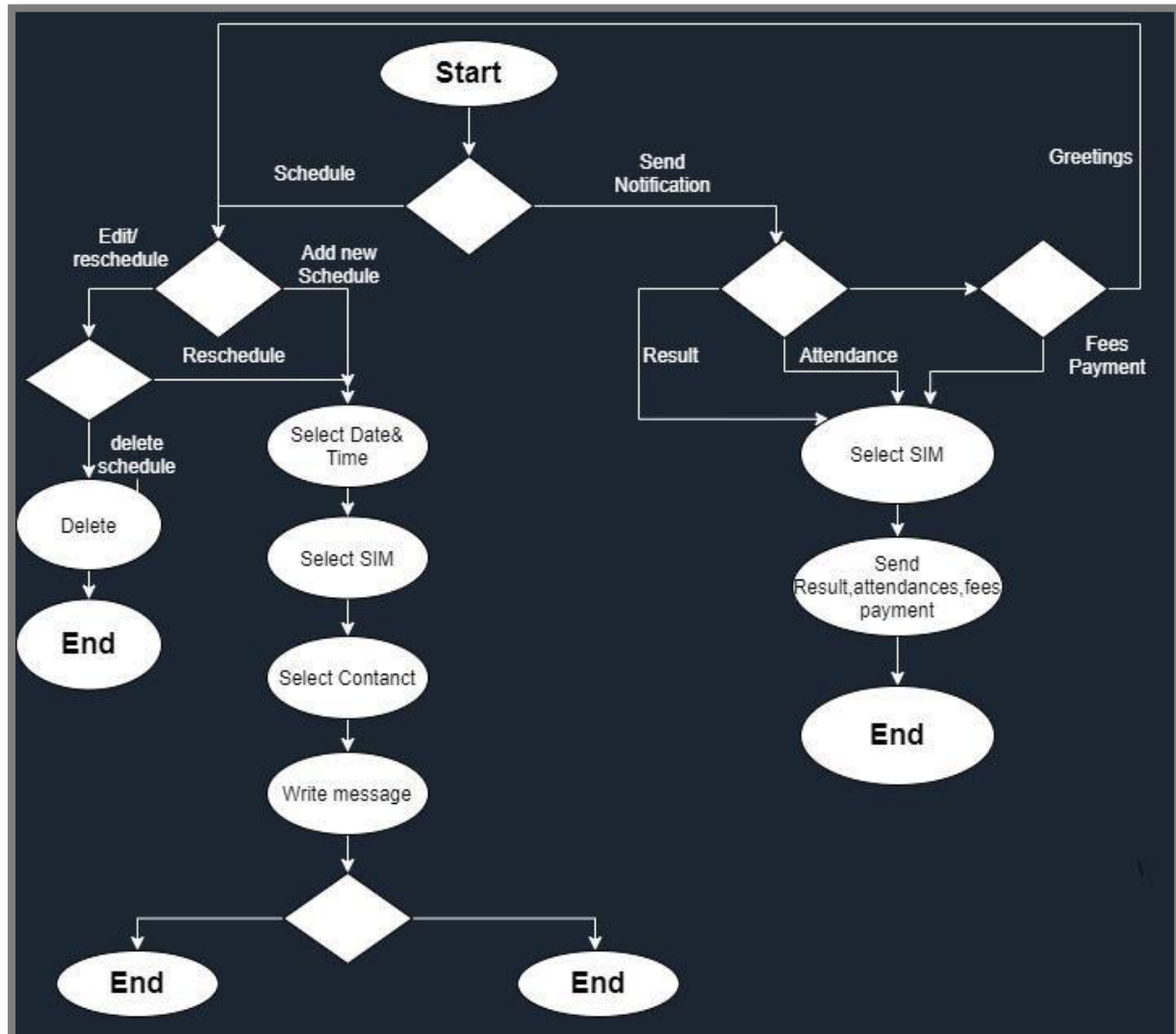## 3.1 : Functional Requirements:-
- Schedule the Message
- Set the time and date
- Send the result notification
- Send the attendance notification
- Send the fees payment notification

3.2 : Non Functional Requirements:-
- Performance
- Reliability
- Scalability

CHAPTER 4: SYSTEM DESIGN
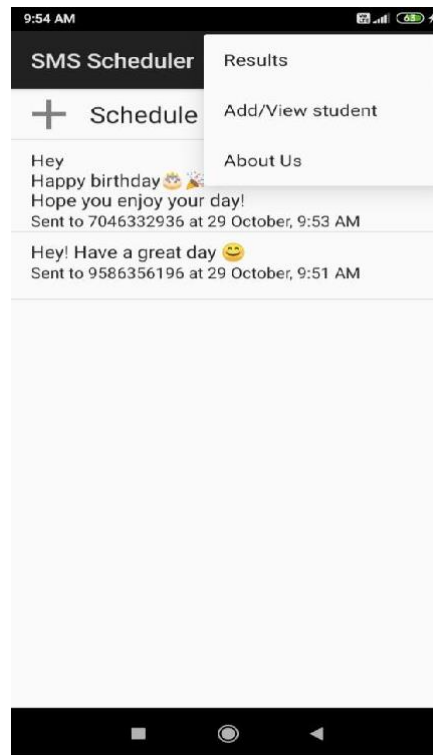
4.1: FLOWCHART

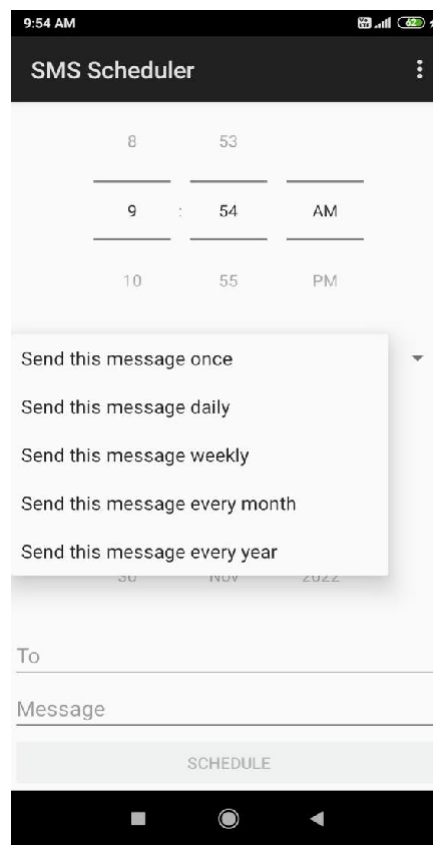
Fig 1.1

4.2 : Snapshot
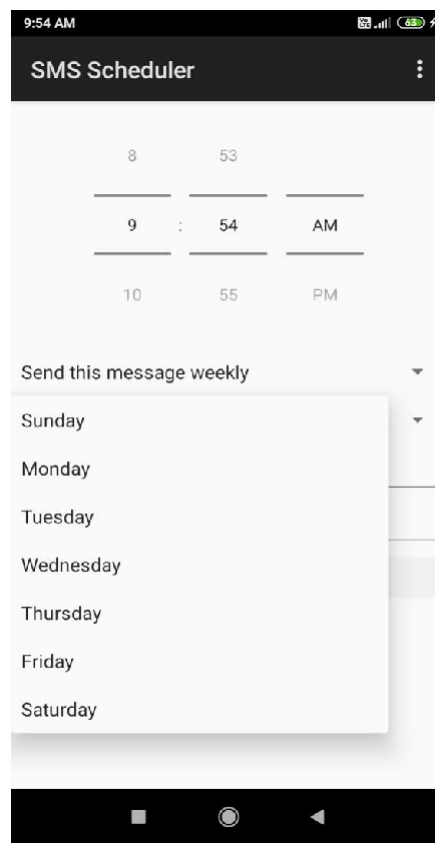

Fig 2.1 Display Schedule

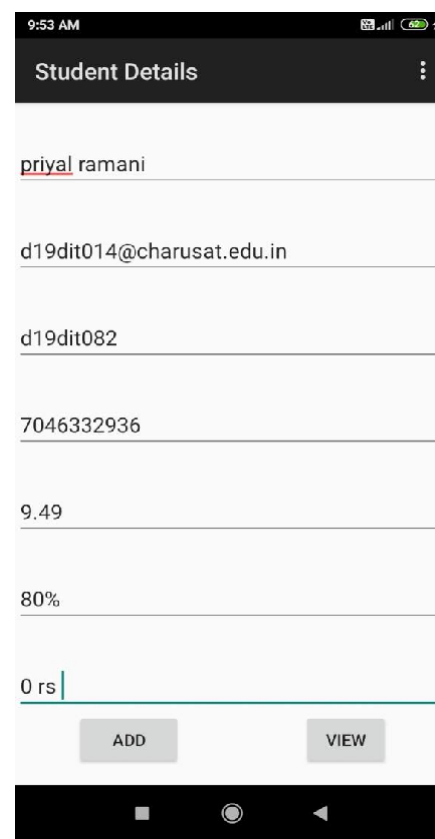

Fig 2.2 Set Schedule
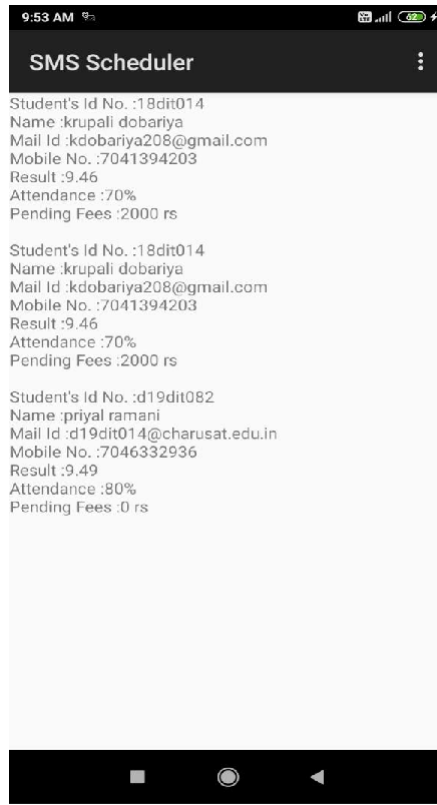
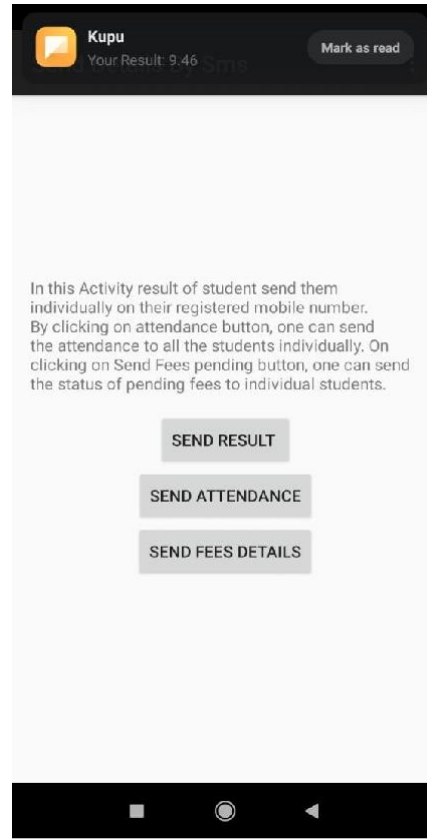Fig 2.3 Calendar View
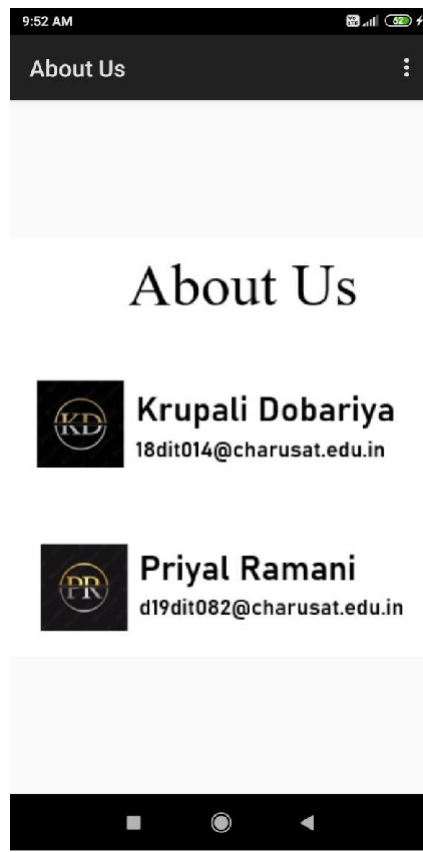

Fig 2.4 Add Data

Fig 2.5 View Data

Fig 2.6 Notification

Fig 2.7 About Us

CHAPTER 5: CONSTRAINTS AND FUTURE ENHANCEMENT

5.1: Limitations of project

- Less security because of log in and register facility is not there.
- This application can not directly access the calendar and schedule the event.
- It edits (reschedule) the already sent message.

5.2 : Outcome

- From this project I have learnt about android application development and many functionalities of android Studio.
- As this project developed in android studio, we have learnt programming and designing layouts for android application.
- I have learnt that how to make an application that can schedule message and.

5.3: Future Enhancement

- Better GUI.
- Add register and log in
- Add database based some other tasks

<u>References</u>

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