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By

Toheed Abbas

Zark Iqbal

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University of Haripur

July, 2021

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F17-0116, F17-0125

Supervised by

Dr. X

Department of Information Technology

University of Haripur

July, 2021

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Toheed Abbas, Zark Iqbal

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A Dissertation Submitted in Partial Fulfilment for the Degree of

BACHELORS OF SCIENCE

IN

SOFTWARE ENGINEERING

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Department of Information Technology

University of Haripur

July, 2021

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A THESIS SUBMITTED IN THE PARTIAL FULFILMENT OF THE

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We accept this dissertation as conforming to the required standards

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Project Supervisor

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Adeel Ahmed

Final Year Project

Coordinator

Dr. Mukhtaj Khan

Chairman

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Department of Information Technology

University of Haripur

July, 2021

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Plagiarism Certificate

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Chapter 1

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Introduction

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SMS (Short Message Service) is a text messaging service for any phone, Internet, and mobile application. Adding messaging to mobile devices began in the early 1980s.[[1]](#_References)The SMS concept was developed in collaboration with the Franco-German GSM in 1984 by Friedhelm Hillebrand and Bernard Ghillebaert. [10] It has been reported that more than 97% of phone owners use alternative messaging methods at least once a day. [38]

1.1 Problem

As sending and receiving SMSs are emerging day by day. Consequently, we all have to accept their importance in our lives. By doing so, it is worthy to address the mistakes of the sender. Some of the common errors are:

* Forgot to send SMS.
* Doesn't have time to send reminders.

SMS Scheduler Pro is an intelligent android application developed under consideration of its dedicated users. This app is smart enough to assist you in your texting routines and reminders. SMS Scheduler Pro uses your cellular texting services to send SMS at the time in the future.

SMS Scheduler Pro provides instant communication, saves time, gets better results, structured plans, and fewer mistakes. Automating your text messages not only frees up your time but more importantly, provides you with excellent service and experience.

Never miss birthdays, important meetings, anniversaries, important work and occasions. Never get disturbed from incoming calls and messages while meeting, driving, sleeping, cooking, or in class, in university, and working. Just tell your device and it will do all work for you.

SMS Scheduler Pro is an intelligent android application developed under consideration of its dedicated users. This app is smart enough to assist you in your texting routines and reminders. SMS Scheduler Pro uses your cellular texting services to send SMS’s at time in future.

SMS Scheduler Pro provides instant communication, save time, get better results, structured plans, and fewer mistakes. Automating your text messages not only free up your time but more importantly, provide you with excellent service and experience.

Features List:

1: Schedule SMS at any time.

2: Repeat Daily, Weekly, Monthly, Minutely, Hourly or custom time.

3: Reply to incoming messages, calls.

4: Inform your contacts that you are driving, sleeping, in a meeting, class etc.

5: Notification, History, Templates, Settings available.

6: Speak Recognition (For making Modes like driving) feature like Google assistance and Siri available.

7: Add your own phrases and sentences for speech recognition.

8: Automatically silent and un-silent during Modes (like driving etc.)

SMS Scheduler Pro features summary:

OUTGOING MESSAGES:

When you forget to send messages (like birthday, anniversaries and other wishes, important reports, reminders to someone or yourself), here is SMS Scheduler which works like an assistant.

1: Schedule messages at any time and it will send messages automatically.

2: U can schedule messages daily weekly or at the exact date.

3: Repetition: You can send messages every minute (1 minute, 2 minutes...), every hour (1 hour, 2 hours...), or you can set a specific time for repetition.

4: Dual Sims supported. Long messages (characters more than 160) supported.

INCOMING MESSAGES:

When you want to reply specifically to incoming calls and messages from contacts or non-contacts. SMS Scheduler Pro is the best solution.

1: You can select contacts from contact lists or type numbers of those you want to reply.

2: SMS Scheduler Pro automatically replies your all selected numbers when their messages or calls come.

3: You can change the SETTINGS to reply only to messages, calls or both.

4: Dual Sims supported. Long messages (characters more than 160) supported.

MODES:

When you are in a meeting, driving, cooking, and busy at work, in class or doing some important stuff and you want an assistant which can take care of all incoming calls and messages, then SMS Scheduler can provide you that assistance.

1: You can create mode (i am driving) and it will reply to all incoming calls and messages that you are driving.

2: You can create mode and specify your message with it.

3: You can set a personalized list of contacts those you want to reply.

4: You can set a specific time such as from 9 to 10 and repeat it weekly (like Monday, Tuesday, etc.).

5: Mobile will remain silent when the mode is active and unsilenced when the mode is deactivated. You can change this behavior in SETTINGS.

6: You can change SETTINGS to reply to contacts, non-contact or both. You can select the length of numbers to reply and time (after 1 minute, two minutes...) to reply messages or call from the same contact during active Mode.

7: Dual Sims supported. Long messages (characters more than 160) supported.

SPEAK RECOGNITION like Google assistant and SIRI.

1: By SMS Scheduler Instant speech support. You can give commands to SMS Scheduler Pro and it will do all work for you. Suppose you are driving, just say to it I am driving and it will automatically silent your device and reply to all incoming messages and calls unless you deactivate the mode.

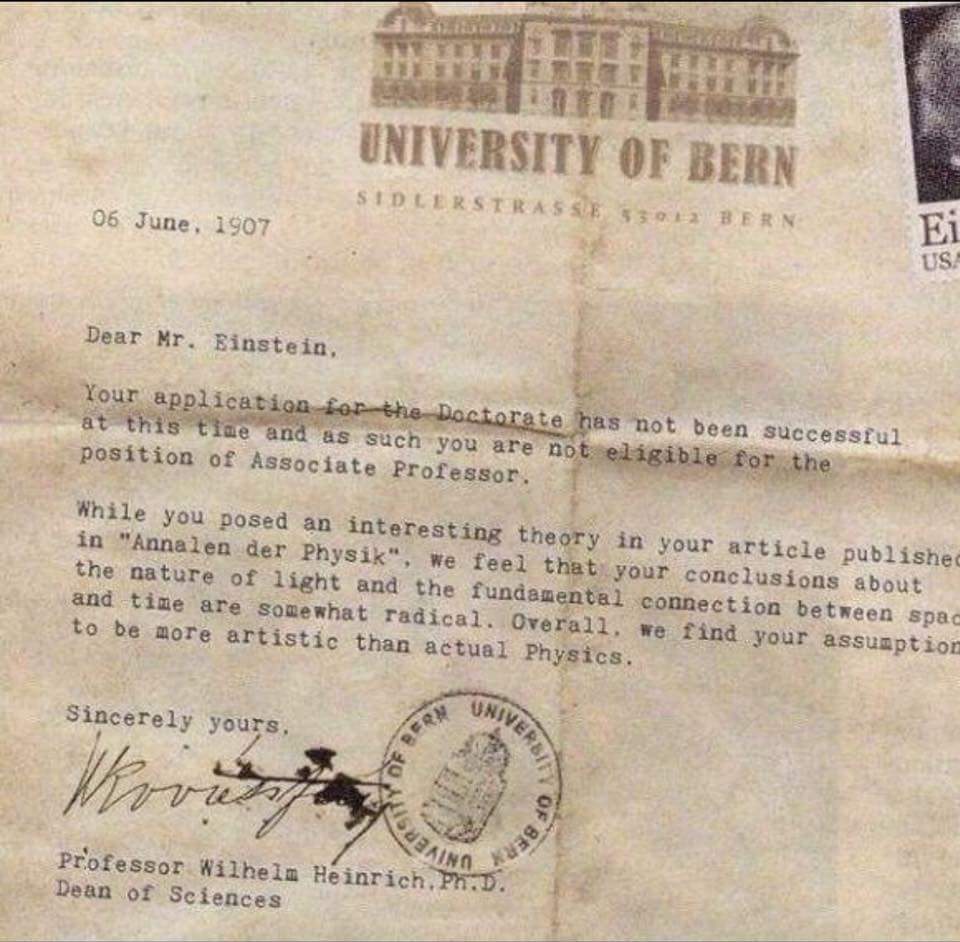
2: You can also deactivate mode through speak such as I am free.

3: You can also specify the time such as I will be busy for 1 hour and 40 minutes now. It will silent your device and reply to all incoming messages and calls automatically and stops it and unsilenced it when the time will complete.

4: Moreover, you can also add your own phrases and sentences for speech recognition.

Common features:

Type messages through speech recognition, add templates, show notification when sent or an error occurred, 99% guaranty to send in DOZE Mode without changing Settings. Shows history of sent messages. Shows icon when SMS is scheduled.



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# References

1. Kelly, Heather (December 3, 2012). ["OMG, The Text Message Turns 20. But has SMS peaked?"](https://www.cnn.com/2012/12/03/tech/mobile/sms-text-message-20/index.html). *CNN*.

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3. See the book Hillebrand, Trosby, Holley, Harris: SMS the creation of Personal Global Text Messaging, Wiley 2010

38.  [*"98% of the text messages are opened"*](https://theblog.adobe.com/marketing-with-98-percent-read-rate-and-10-more-compelling-stats/)*. 27 July 2015.*

10. See the book Hillebrand, Trosby, Holley, Harris: SMS the creation of Personal Global Text Messaging, Wiley 2010