

# ON-TIME : The Idea For Text And Post Automation

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## Abstract

Sending messages automatically without the involvement of human input is known as Message Automation or Text Automation. With the help of automation of text messages, it gets a lot easier to send a right message to the right person at the right time. It all gets effortless when we chose automation over human interference.

Text Automation can include generating an appropriate answer by reading the keywords given by the user or sending various suggestions automatically once we shop online, etc.

Rather than replying one person at one time, or instead of forwarding numerous messages, we can automate messages in such a way that we save a lot of time doing multiple tasks at a same time. Automating messages makes work easy and it keeps your tone of voice same throughout the conversation.

A survey reveals that 9 out of 10 customers talk business via messaging/texting. This makes work less obstructive, makes it faster and user convenient.

Instead of waiting for some message to be received, or some message to be sent,

why can't we automate messages/texts in such a way that we can be carefree about the time we spend in texting, do not put efforts in waiting for some message to come or be sent, schedule messages to be sent automatically?

Finally, when we are able to automate sending messages online, we can also try automating posts that we put in social media.

Social media, being the vast and busiest platform worldwide, people can sometimes get disturbed with their mental health due to spending lot of time in it.

## Ideology

**The paper tells about the application we are developing which helps in scheduling the messages and posts in the smart devices we use to send them to the right person at right time automatically.**

**The paper mainly targets about automating text messages, uploading posts or images and videos and also sending the work documents, which is all dependent on social media.**

## Introduction:

- Ever Forgotten to wish your people on their special occasion? (Be it birthday or a success party or anniversary)
- Ever gotten into a situation where there are many events going on in our college and we usually tend to upload a particular events forms or images or forgot mentioning or tagging someone particular?
- Ever experienced this worst feeling when you have completed the whole work but missed submitting your projects on particular time the boss or your lecturer has assigned?
- Ever felt maintaining a streak in snapchat is so tuff ?

This paper gives you the detailed information of such an application which makes your task easy, stressfree and comfortable.

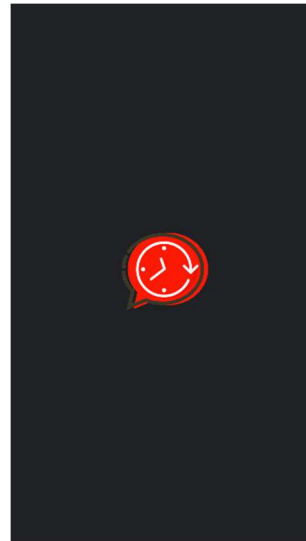
Many of us have the problem of forgetting to wish our people on some particular dates or time / send documents or files related to work on some exact time / upload anything on particular time etc.

This application that we r discussing about in this paper is helpful for those who belong to this category, to everyone, in fact, to save time.

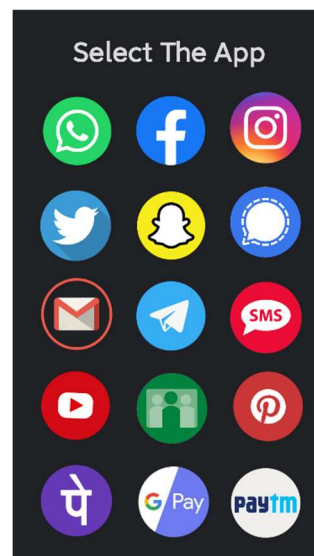
The application basically connects all the social medias in one application. Lets understand about this application in detail.

*Lets understand the concept with respect to using WhatsApp, a social platform used in exchanging messages, images, videos and uploading status.*

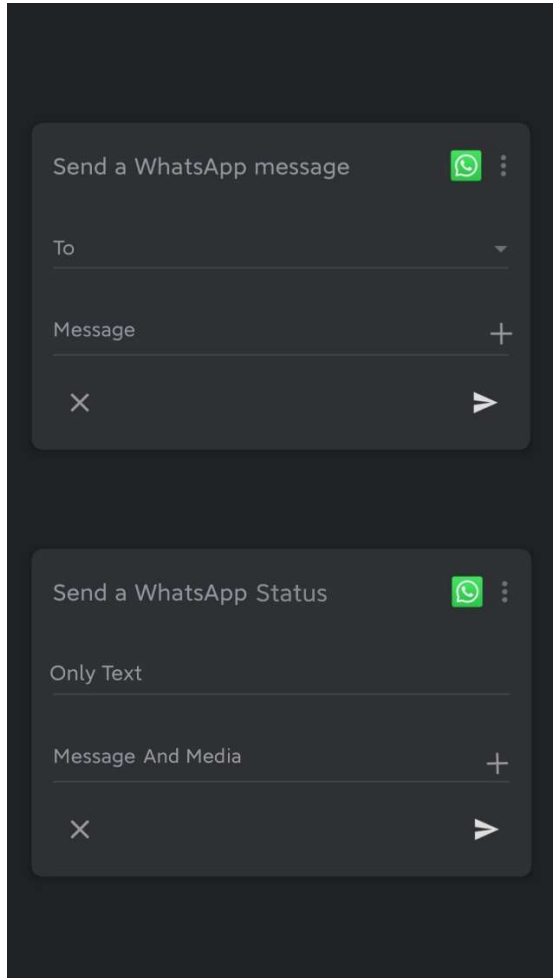
### 1. Application icon, On the click of the which we enter inside the app.



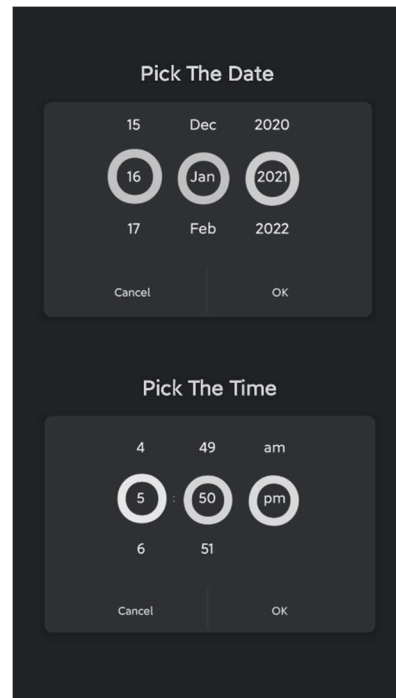
### 2. Selecting WhatsApp as our social platform to automate messages/ upload image/ add status



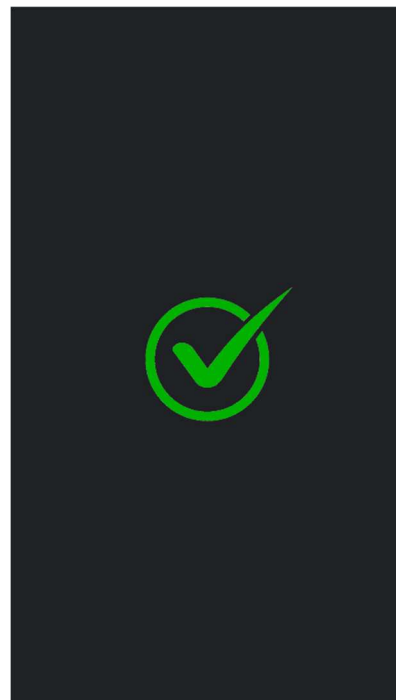
3. Select the person to whom you want to send the message to. Fill in the text and select the image to put in case you want to upload a status.



4. Select the date and time specifying when you want to send message or upload status.



5. Settings adjusted successfully and will be displayed on the chosen date and time.



Similar automation can be done choosing other social media platforms such as Instagram, snapchat etc.

## **Related work**

### **Reminders in Health Care Services**

Kati Anneli Kannisto, et. al [1] narrates that the use of mobile phones and text messages are spread worldwide, supporting the global penetration of mobile phone users by helping in the health care sector. They demonstrated that text messages in the mobile phones can be used to remind patients about their appointments and also reduce skipping of their regular checkups. Setting an automated text message as a reminder also adds the usability of text messages in health sector. Hence, automation in SMS reminders must be given attention so as to bring an improvement in health care sectors

Their work also reminded about the dose of medicine to be taken and the message timing was based on the user requirement .it took care of the design of the content of the reminder, by filling in the patients details in automating devices so as to get the updates.

### **SMS based home automation system**

[H. ElKamchouchi](#), et. Al[2] proposed that a home automation system can be initiated using SMS which can automatically send the user the required switches and controls based on the inputs.

It explains how the sensors and activators are connected to the hardware devices of the home and generate an SMS regarding the changes needed in the system. The whole system consists of two main components namely GSM modem and micro controller which handles the communication between

the system and the user and the core functionality of automation respectively. The paper proposes a basic design and prototype of home automation system implementation using SMS technology.

### **Automated Error Checking and Feedback System to Improve Text Message**

Jordan A. Wong, et. al[3] demonstrated a research where they demonstrated that an automated 2-way error feedback can improve the efficiency and accuracy of message-based disease surveillance. They also demonstrated that the 2-way communication helps engaging people and know their needs and help them with their health care staff

### **Generation of automatic messages in the chatbot used in online shopping sites for customer help**

We understand how online shopping sites work. There's a chatbot involved in the first case to solve user queries before actually contacting the customer care service. The chatbot gives an automated answer based on detection of the keywords which are the pre stored data to solve users query.

Most of the queries are resolved via text messages. The automation in this field saves a lot of time and also satisfies customer requirements by giving the right information at the right time.

### **Setting reminders following the work to be done on that particular time.**

The most common way to remember any work to be done is by setting a reminder, adding a note regarding what needs to be done. Ex-Birthday reminders, submission reminders etc.

## Comparative Study

We must know few facts before understanding ON-TIME completely:

SMS has an option to schedule the time before sending a message to a particular person. But that limits to sending a message only via SMS and not any social media

Some external websites allows you to schedule things earlier. With that you can send any message or post at a particular time, but then they will be just 1 or 2 apps at the maximum which the website can support.

E-mails have the option called 'Scheduled Timing' which helps you to send a mail to a respective person on the required time. But then, its again only the email platform and not any other.

WhatsApp can also schedule timing to message a person or upload an image, but this option is present in higher versions of Iphone. The majority of smartphone users have android phones who cannot have this advantage and also many people are not so fortunate to buy higher versions of iphone.

### **Comparison of all the above instances with ON-TIME**

Through ON-TIME application, all the social media would be under one roof, and all the platforms can be accessed in one go.

Multiple messages can be sent at set date and time. All the social media platforms can be accessed without searching for an external website for the same purpose.

ON-TIME is not about setting a reminder, but actually automating the whole process by itself.

For example-

We usually set timer to remember submission of a file on a particular time of the day. When the reminder is rung, we manually submit our file to who-so ever concerned.

Whereas, through ON-TIME we choose the platform (in which platform the file has to be sent – email or whatsapp or Instagram etc) and write in the details to whom the file has to be sent and set date and time the file has to be submitted.

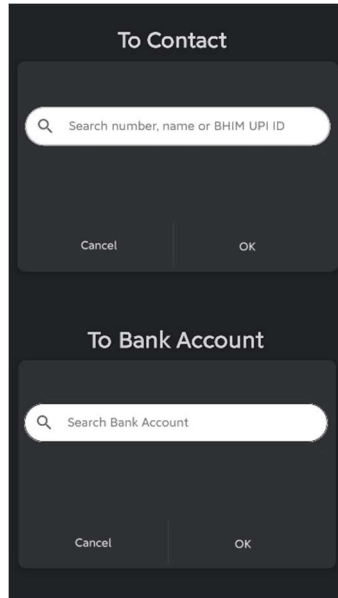
Now we can relax as the application automates the whole process and sends the selected file to the selected person on the selected platform on the selected time.

## Future Developments

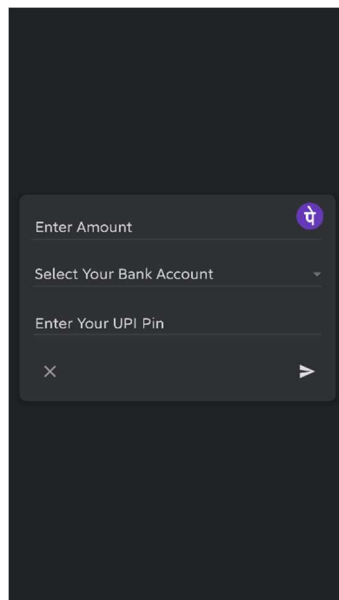
These can include:

1. Introduction of voice assistant on further development.
2. Similar apps which may get created in future too will get included in the application

3. Making money transactions can also be possible, i.e sending money to a particular person on a particular date and time can be made easy by using ON-TIME



( select contact and bank account of the selected contact )



( Enter the amount and your bank details and then the same process of selecting date and time continues )

## Conclusion:

In this paper we have demonstrated on how ON-TIME can be used to automate sending messages, upload images, update Instagram stories and WhatsApp statuses. It can also be used to send money.

Having automation in such a field is very much needed. It makes life easier and also stress-free in remembering dates and occasions or thinking of getting scolding's from our mentors on not submitting our work on time even when we have completed the whole project.

Sit back and relax when you know you can completely rely on automation. One such ideology holding application is ON-TIME application.

Donot worry about getting late or forgetting things, when such automations are handling your data and social media. Life's made easy with automations.

## References

[1][Kati Anneli Kannisto](#) ; [Marita Hannele Koivunen](#) ; [Maritta Anneli Välimäki](#) "Use of Mobile Phone Text Message Reminders in Health Care Services: A Narrative Literature Review" [Vol 16, No 10 \(2014\): October](#)

[2][H.ELKamchouchi,Ahmed ElShafee](#),"Design and prototype implementation of SMS based home automation system", 29 April 2013

[3][Jordan A Wong, Linh Thuy Dang, Ngoc Tran Phan](#), "Telemedicine and e-health",April 2021

[4][Dnyanesh Rajpathak](#), "Intelligent Scheduling -- A Literature Review", January 2001