Offline Mobile Tracking

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Abstract— As per the reports of WHO, NCRB social government organization more than 35%Women all over the world are facing a lot of unethical physical and mental harassment in public places such as railway stations, bus stands, foot paths etc. so propose system is useful in such situations. Propose system offer mobile security feature that takes a picture of anyone who inputs a phone's password incorrectly three times or more. Its intent is to help people with stolen phones grab a shot of the thief, perhaps to help phone owner. It works silently. The app uses the front-facing camera to snap a picture of the snoop and email it to you. There are many places like Hospitals, Petrol pumps, Universities, Corporate offices etc. where it is clearly mentioned, "KEEP YOUR MOBILE PHONES SILENT!!" Many times people forget to switch the mobile to the "Silent Mode" which is not feasible every time like in an important meeting, lectures etc. This application automatically changes user profile as per location. With the help of propose system user can get any contact from his/her mobile, user can start mobile data and track location by sending specific SMS. Plus point is user can access them from anywhere at any time.

Key words: Women Safety, Child Safety, IoT, Raspberry Pi, Voice Recognition, GPS, GSM, MySql Database

I. INTRODUCTION

Mobile Technology is the evergreen area since many decades and usage of smart phone equipped with GPS navigation have increased rapidly to more than 90%. Recently, all over the world, crime against women is increasing at higher rates and it is high time to offer safety support system for the women. However the existing systems are not powerful enough to prevent the crime against women security. This application can be activated by long press on android phone screen when the user (sender) feels unsecure. This application communicates the user's current location to the predefined registered user's (receiver) contact number in the form of a text message. It notifies with a message "I'M IN DANGER…" along with the latitude and longitude of the sender.

Ever suspected someone of trying to unlock your phone while you're away, but haven't been able to prove anything? Propose system offer mobile security feature that takes a picture of anyone who inputs a phone's password incorrectly three times or more. Its intent is to help people with stolen phones grab a shot of the thief, perhaps to help phone owner. It works silently. The app uses the front-facing camera to snap a picture of the snoop and email it to you.

II. RELATED WORKS

In 2017, "Smart Security Solution for Women and Children Safety Based on GPS Using IoT" was proposed. This system was a portable device which resembled a band on wrist. It consists of a switch, when it is pressed, the device will get activated automatically within a fraction of milliseconds and immediately the location istracked and messages will be sent to emergency contacts.

Real-time tracking has been a field of interest for many researchers for tracking system. In 2014, G.Bharathi and L. Ramurthy from Vemu Institute of Technology proposed "Children Tracking System Using Arm7 Microcontroller" in International Journal of Industrial Electronics and Electrical Engineering. This was very basic which was only tracking the location of the victim.

Presently there are different applications which provide different services separately. But there is absence of system that has all features in single application
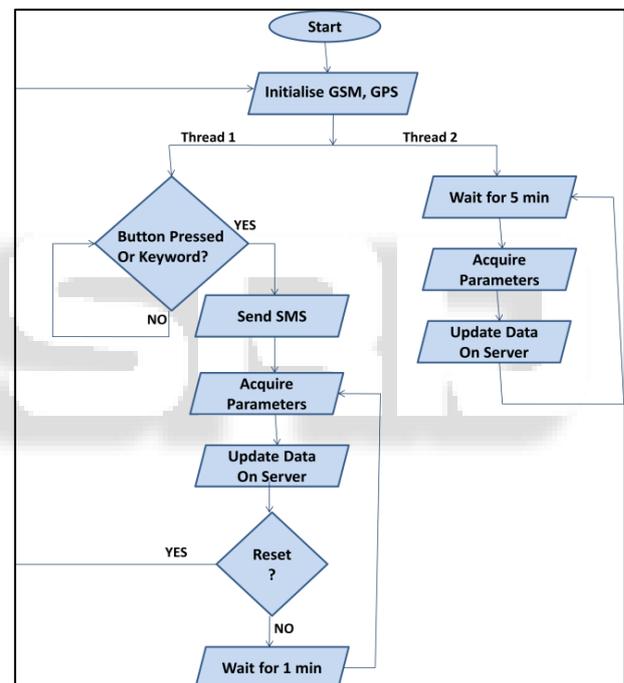
III. PROPOSED SYSTEM

Fig. 1: System Architecture

In propose system user can send emergency request to predefine mobile number by clicking power button multiple times. Also propose system capture photo whenever someone enter wrong password more than 3 times and send this photo as well as location to registered email id. Propose system allow user to set location where mobile change profile as per location, for example profile change to "silent mode" whenever user is in office area. User can get any contact from his mobile in any mobile by sending predefine SMS with secret PIN. User can start his internet on his mobile from anywhere by sending predefine SMS with secret PIN. System allow user to track mobile with or without internet by using fused location API.

IV. ADVANTAGES

1) User can send emergency sms to their relatives.
2) User can know who try to access his/her mobile.

3) User profile changes as per location (switch to silent mode in office).
4) User can get contact number from his/her mobile without having his/her mobile.
5) User can start internet without having his/her mobile.
6) User can track mobile with or without internet.

V. SYSTEM REQUIREMENTS

A. Hardware Requirements:

System	:	Intel I3 Processor.
Hard Disk	:	20 GB.
Monitor	:	15 VGA Colour.
Mouse	:	Logitech.
Ram	:	4 GB

B. Software Requirements:

Operating system	:	Windows 7 and above.
Coding Language	:	JAVA, ANDROID
IDE	:	Android Studio
Database	:	MYSQL

VI. CONCLUSION

Propose system allow user to inform relatives in emergency with simple ways and quickly. System is capable to take photo of unauthorized user. System change mobile modes as per location define by user. System allow user to start internet, take contact and track location remotely. Propose system make smart phone more useful. So we conclude that propose system is useful in so many ways and in so many conditions.

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