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AN ANDROID APPLICATION BASED ON SHAKING (HUMAN TROUBLESHOOTER)

SUVARNA SONONE, SHIRIN KHAN, RAKHI GAIKWAD, ABHILASHA DESHPANDE, PRIYA BHONGLE, SAURABH INGOLE

Amravati University, Computer Engineering, DBNCOET, Yavatmal, Maharashtra, India,

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Abstract: Every human being on this earth wants comfortable living and safeguards their savings. Everyone needs security as the world is not perfect, many mishaps can be take place with anyone at any time. Many unfortunate incidents have been taking place in woman's case. So the android application based on shaking could be the helping hand for the people in danger. Whenever somebody is in trouble they don't have to find ways to send short message to the concerned person. All that they have to do is shake their smart phone above the threshold value & immediately a message will be sent to their 5 concerned person and authorities with their location in every five minutes with their updated location with the help of GPS system.

Keywords: Android, GPS, Shaking, Message sending.



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Corresponding Author: MS. SUVARNA SONONE

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INTRODUCTION

This application is actually meant for the attention of the responsible authorities or public in the emergency response such as terrorist attacks and the natural disaster by alleviating the communication. We will be tracking the location of the person via GPS and we will be sending SMS to the concerned person about the schedule their current location of the concerned person that time.

The difficulties in the existing application are the lack of situational awareness and communication facilitating among their respective. By this response and recovery is difficult to the authorities. In respect to the safety of people with the support of the network provider the application runs in the android phones in efficient way to help the people in the natural disaster or terrorist attacks etc. Furthermore users are likely to handle the mobile devices for the security purpose to solve the problem in the emergency cases. The user has to only shake his mobile phone to send the message at certain intensity.

EXISTING SYSTEM

1] A Mobile Based Women Safety Application (I Safe Apps):

By just touching the application from the mobile screen the options will appear and by choosing the particular options the appropriate function will take place. After opening the app the available options in the app are seen The call sending is done by simply touching the option SOS from main screen then it retrieves the contacts which are saved in the database and it performs the action and at the same time it sends the location URL of the person through the message format where she/he used this application when they are in danger. By just touching the location URL got from the message then it gets the location where the person is in danger by showing us in blue color spot in the Google Map. By zooming the Map guardian can easily find out the accurate location of the unsafe woman.

Disadvantage:

The victim has no time to search for the app and touch the button.

2] Android Based Safety Triggering Application

The application objective is that it has to be friendly for user and triggering of the application should take less time .The location of the user in critical situation should also be known to all

those concern persons whom message has been sent automatically to the registered numbers in the database of application. The application demands GPS service to be available in the handset. If the user is not clicking the alert button then the default screen of the mobile continuous to be displayed. Another Extension of this application is that the location is traced continuously and sends text messages with updated locations, once the user clicks on the button. The user can only stop message sending by clicking password based stop button in the application to avoid waste of time of the application stored somewhere else by pressing the safety triggering button in the application in the background and the current location of the user in terms of latitude, longitude is sent.

Disadvantage:

There is no time with the victim to click the button.

3] An Android Application for Women Safety Based on Voice Recognition:

In these application voice keywords is set for activation of the application. System recognizes the voice of the user. After system gets triggered, it uses the GPS system to track the location information of the user and send the latitude and longitude. Simultaneously, an emergency message is sent to people who are selected by the user as a message. There is no need to operate mobile to activate the application and it will get activated even if mobile is locked.

Disadvantage:

In this application if the person is in crowded area then automatically the app gets activated and unwanted message is sent to the concerned person.

PROPOSED SYSTEM

The application named "HUMAN TROUBLESHOOTER" will be an android application designed for everyone who needs help in emergency. The name of the app itself implies that if human is in trouble then this application will act as a shield of protection for the victim. "HUMAN TROUBLESHOOTER" application can help the victim by just shaking the phone at certain intensity. It will send the SMS & current location and updated location to the authorities and the concerned people of the victim. It is difficult for the user victim to press button in critical situation when mobile is locked.

This application helps the victim by just shaking the mobile phone at fixed intensity. The message send to the contacts and authorities contains the latitude and longitude position of the victim.

The message will be sent in every five minutes to the contacts and authorities. Thus this app is not only helpful for women but also can be used by everyone, who faces an unexpected emergency or accidents.

The proposed model is shown in the following figure:

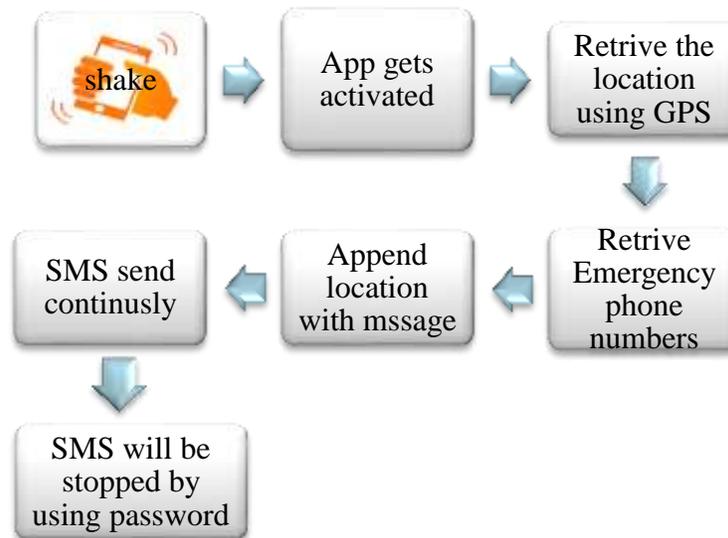


Fig: Proposed design

CONCLUSION

Once developed the application will act like a weapon for women and a helping hand for the person in dangerous situation that will ensure the safety and security. This works on the Smartphone with the android operating system. The application acts as a rich tool for sending predetermined message to the registered contacts for help that automatically includes an address and exact location. Thus this app will go a long way and reduces the risk of becoming the victim.

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