Women Safety Application with single - click

Sathish kumar M

Department of Electronics

PSG College of Arts and Science,

Coimbatore, India

Abstract: In today's world, people using smart phones have increased a lot and hence, a smart phone can be used efficiently for personal security purposes. This paper presents the Application which is providing a unique method to secure women of our country. Existing many applications are available to provide security to women. But, this Application is unique from all existing application. In the existing system, whenever women facing a problem, they need to ON Data connection then GPS then only she can give message to their friends or family members that she is in emergency. But in this proposed application, the data connection and gps connect automatically on in single button. This paper is generated by Android Programming.

Keyword – Android, gps, Data connection, Smartphone

I.   Introduction

In today's fast moving world, Women Security is an issue of growing concern. We have read about many unfortunate incidents happening with women and the rate is increasing. We are all aware of importance of women's safety, but we must realize that they should be properly protected. Women's are not as physically strong compared to men, in an emergency situation a helping hand would be a relief for them. Whenever you're in immediate trouble or get separated from friends during a night out and don't know how to get home, having these apps on your phone can reduce your risk and bring assistance when you need it.

The Application is a mobile based application to secure women's of our nation. It is typically used to secure women's from rape. The main advantage of this application is the victim need not to on data connection, GPS and app separately. With one button all these controls are controlled.

This paper approaches real time application on women safety and formulated based on user friendly, reduce battery efficiency of the mobile and we can track the place very quickly.

II.   Existing system

There is a variety of applications are available for women protection when they are in dangerous situation.

Whenever, the victim facing the emergency situation. She have to on Data connection, gps connection and then she have to on the application, then only it will send emergency alert to their friends and family members.

Drawbacks:

Suppose, victim taught to send the message immediately whenever she getting trouble. So, She have to on the data connection and gps permanently in her mobile, then only it is possible to send message immediately. If she on the data and gps in her mobile. Then her battery consumes high power. And battery will dry very quickly. So, the existing system is not user friendly

III.   Proposed System

The proposed system is implemented with the help of android application. In this application, whenever victim in emergency, by single click she can able to activate the GPS and data connection.

Whenever victim facing emergency, during that time only she going to on. Before that, data and gps is in off state. So that it will consume more battery as compared to Existing system.
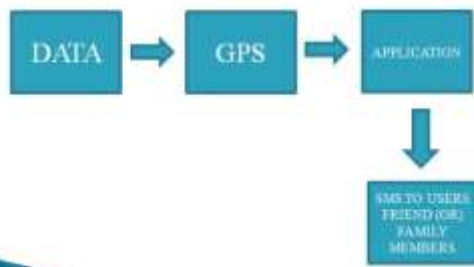
Advantage:

It will be user friendly

The battery consumption is low

IV.   Schematic technique

1. Victim have to click the button which display on wallpaper whenever she facing trouble.

Flow Chart Of Existing System

WOMEN SAFETY

SMS TO 5 USERS FRIEND OR FAMILY MEMBERS AND 1 SMS TO NEAR POLICE STATION
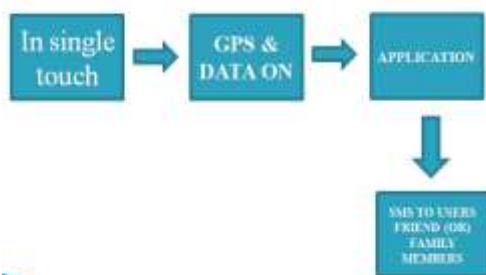

V.   Future Enhancement

The future enhancement of this project to develop with help of voice recognition method to send the alert message to victims friend and family members.

VI.   Conclusion

The mobile has become important medium to conduct business, communicate ideas and entertainment. The aim of the project to protect the girls against rape and secure her life

Flow Chart Of Proposed System

2.   The data connection on by clicking this application and intend the program to gps to on. Then user have to click password then sms will send to users friend or family members

REFERENCE

[1].https://stackoverflow.com/questions/35448815/how-to-on-or-off-gps-using-toggle-button-android

[2]. https://www.tutorialspoint.com/android

[3]. https://www.raywenderlich.com/category/android

[4] Saranya, J.; Selvakumar, J., "Implementation of children tracking system on android mobile terminals" 2013 IEEE International Conference on Communications and Signal Processing (ICCSP), vol., no., pp.961, 965, 3-5 April 2013.

[5]   Android   Developers,   Location   APIs. URL:http://developer.android.com/google/playservices/location.html.

[6] "WOMEN'S SECURITY", Android App developed by AppSoft India, December 17, 2013. https://play.google.com/store/apps/details?id=com. zayaninfotech.security&hl=en.