



A Survey on Women's Security System Using GPS and GSM

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ABSTRACT: Women's security is a critical issue in today's world and it's very much needed for every individual to be acting over such an issue. This document describes a GPS and GSM based women security system that provides the combination of GPS device as well as provide alerts and messages with an emergency button trigger. Whenever somebody is in trouble. They might not have so much time all that they have to do is pressing the volume key. Especially women security has become the foremost priority of the world. System uses the Global Positioning System (GPS) technology to find out the location of women. The information of women position provided by the device can be viewed on Google maps using Internet or specialized software. The IT companies are looking forward to the security problem and require systems that will efficiently security working in night shifts, traveling alone. We focus on the proposed model that can be used to deal with the problem of security issue of women using GPS and GSM based tracking system.

KEYWORDS: GPS , GSM , Google map ,Security.

I.INTRODUCTION

Women are adept at mobilizing diverse groups for a common cause. They often work across ethnic, religious, political, and cultural divides to promote peace. 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 as men, in an emergency situation a helping hand would be a relief for them. The best way to minimize your chances of becoming a victim of violent crime (robbery, sexual assault, rape, domestic violence) is to identify and call on resources to help you out of dangerous situations. Whether 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. Although several were originally developed for students to reduce the risk of sexual assault on campus, they are suitable for all women In the light of recent outrage in Delhi which shook the nation and woke us to the safety issues for our daughters, people are gearing up in different ways to fight back. A host of new apps have been developed to provide security systems to women on their phones. Here we introduce an app which ensures the safety of women. This helps to identify and call on resources to help the one out of dangerous situations. These reduce risk and bring assistance when we need it and help us to identify the location of the one in danger. This app designed to provide security to women main purpose of this app to provide the awareness on the time of critical situation for women. When you clicking on this button service get activate and know whenever you click on HELP BUTTON it open a new window and send SMS to those contact which you saved at the time of registration the SMS contain your message and your current location. This app is provide deactivate service also when we fill secure this app is mainly required correct information to fill otherwise this app will not work correctly.



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II. LITERATURE SURVEY

Title 1:- SMART GIRLS SECURITY SYSTEM.

Authors :- Basavaraj Chougula, Archana Naik.

Year Of Publication:- 2014.

The status of women in India has gone through many great changes over the past few millennia. From equal status with men in ancient times through the low points of the medieval period to the promotion of equal rights by many reformers, the history of women in India has been eventful. In modern India, women have adorned high offices in India including that of the President, Prime Minister, Leader of the Opposition and Speaker of the Lok Sabha. However, women in India continue to face social challenges and are often victims of abuse and violent crimes and, according to a global poll conducted by Thomson Reuters, India is the fourth most dangerous country in the world for women, and the worst country for women among the G20 countries. This paper focuses on a security system that is designed solely to serve the purpose of providing security to women so that they never feel helpless while facing such social challenges. The system consists of various modules such as GSM shield (SIM 900A), Arduino ATmega328 board, GPS (GY-GPS6MV2), screaming alarm (APR 9600), a set of pressure sensors for activation and power supply unit. The Delhi Nirbhaya case that triggered the whole nation was the greatest motivation for this system. It was high time we women needed a change.

Title 2:- Women Employee Security System using GPS And GSM Based Vehicle Tracking.

Authors:- Poonam Bhilare, Akshay Mohite, Dhanashri Kamble, Swapnil Makode and Rasika Kahane,

Year Of Publication:- 2015

Womens security is a critical issue in todays world and its very much needed for every individual to be acting over such an issue. This paper describes a GPS and GSM based vehicle tracking and women employee security system that provides the combination of GPS device and specialized software to track the vehicles location as well as provide alerts and messages with an emergency button trigger. The information of vehicle position provided by the device can be viewed on Google maps. The IT companies are looking forward to the security problem and require a system that will efficiently evaluate the problem of women employees security working in night shifts. This paper focuses on the proposed model that can be used to deal with the problem of security issues of women employees using GPS and GSM based vehicle tracking.

Title 3:- A Mobile Based Women Safety Application

Authors:- Dr. Sridhar Mandapati, Sravya Pamidi, Sriharitha Ambati

Year of Publication:- 2015

Many unfortunate incidents have been taking place in womans case. Problems may come from any direction such as women walking on the road after the work, going to super market or many other reasons for which they go alone. People at home are not sure of their return safely. Another factor is woman die without knowing the reason as they attend excursions and industrial trips conducted by the organizations. It happens due to attacks on woman but not suicides. In 2013 there happened an incident which is a gag rape in New Delhi in the case of 23 year old woman in bus at 9:30 PM. Another incident that has taken place at Mumbai in the case of woman who is leaving her native place after Christmas holidays has been kidnapped and killed. These are some of the problems that have taken place in the day to day life of women. In order to overcome such problems faced by women the I Safety (women security apps) mobile based application is not only necessary to use but also plays a pivotal role with android software.

III. PROPOSED SYSTEM

Architectural Diagram:-

In this application the security system is done using the actual location tracing and SMS ,Audio to text Transmission module .The system send the emergency SMS by two category online and offline if the victim don't have the internet

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availability then they can directly transfer the offline SMS to particular emergency contact number .The application also send the actual location related information of victim to emergency contact number.

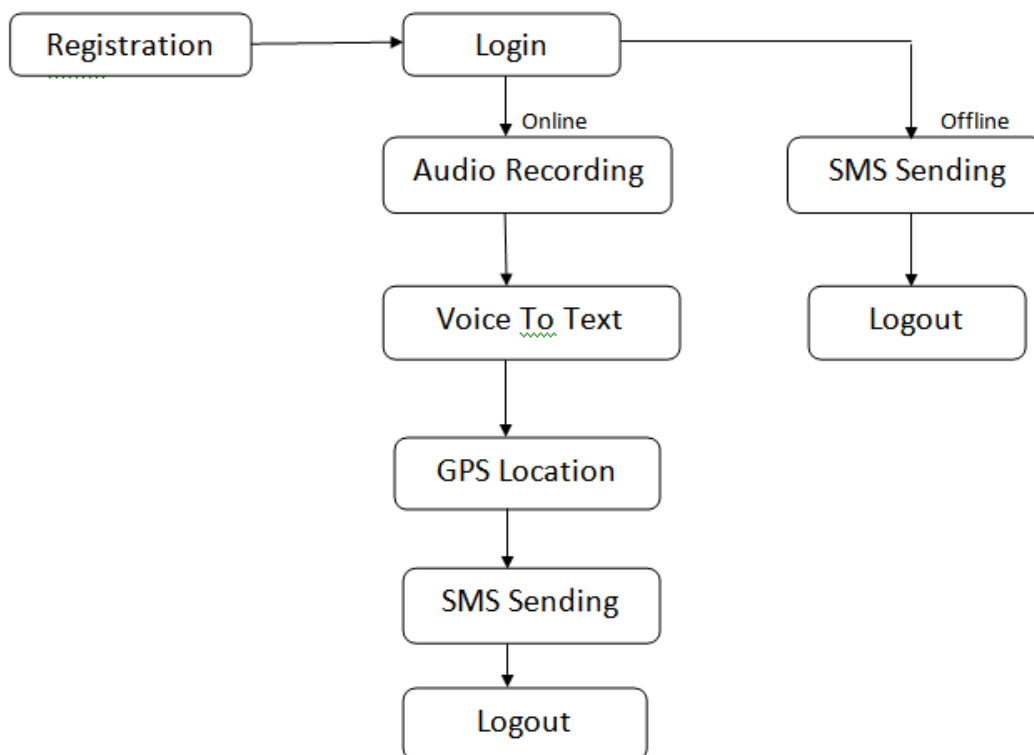


Figure .Architecture

APPLICATIONS

- used for the safety of women.
- used for the safety of children.
- used for the safety of physically challenged people.
- used as a legal evidence of crime with exact location information for prosecution.

IV. CONCLUSION

This is the “Women security system using GPS and GSM” which is very useful application mainly for girl’s safety. When we feel that we are in emergency situation, for example traveling alone in the Auto/Cab at night time we can use this application. so that on one click we can send our location to our family members .The audio to text also alerting the emergency contacts by sending the messages with the location. This system can overcome the fear that scares every woman in the country about her safety and security.The application that send online as well as offline SMS to particular emergency contact number.



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