

A Survey On Women Defence System For Detecting Interpersonal Crimes

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Abstract

Women plays a vital role in all of ours day to day life. We are in this world only because of women, who gave birth to us. We are living with them in our lifetime. It is our responsibility to keep woman safe and secure but due to many issues they are feeling insecure and dependent on others for each and every work. For ensuring the security and safety of women there are several systems available but still women are facing many problems in there security purposes. Smart security system for women has be implemented to provide more security. A survey on various women security related researches are made to design the model for location tracking, alert message and evidence collection. For tracking the location of the women the GPS is used in various systems and GSM in turn send the alerts or emergency call for the contacts that are registered already in the system who are using the system. A web camera is placed to capture image and shared to the registered contact number through e-mail services as evidence.

1. Introduction

Nowadays women feel insecure as they face more harassment problems, not only women even girl child faces the same type of harassment and there entire life becomes a big question mark. They feel unsafe even in their work places, while traveling and in their residence too. Round the clock in a day they feel insecure. So it is essential to make our women feel safe and secure. It is our responsibility to make our women safe and provide a safe and healthy environment for them to live. When compared to men, women are less strong in physic but nowadays they are coming up in all fields equally to men. It is our duty to help them in case of emergency situation. To overcome from the risk the victim can call the resources as soon as possible for getting help and escape from the critical situations like rape, sexual assault, robbery etc. If women are having security apps and the system with them they will feel safe and secure. This security system is useful for women in making them feel they are in assistance of someone. On using this system the victim can call immediately their dear ones when they are in dangerous situation or can send alerts continuously. It can also be used to identify the risky areas and call for help. Mainly the system designed and apps are a great awareness to the working women to feel confident and safe. The only thing they need to do is that the system must be in alert mode. Let us discuss some of the women security systems available.

2. Literature Survey

TITLE 1: *An Innovative Approach for Women and Children's Security Based Location Tracking System.*

Authors: Dr.Velayutham.R, Sabari.M, Sorna Rajeswari.M

In countries like India women are grooming in good sign. Women and girl child in many of the countries feel unsafe and frustrated due to lack of security and safety for them. Each and every minute somewhere in the world they are harassed and losing their life. At this situations women feel helpless and don't find any way for protecting them and call for help from the family members or from nearer ones. Protecting the women out of danger is much needed for their safety. The security system helps them to get rid of such worries and give hands in critical situations. System comprising of GSM, GPS and google map for sending the current location of the victim to any of the trusted relations and for detecting the location through satellite and for tracking the locations of the victim respectively are used.

TITLE 2: *Women Employee Security System using GPS And GSM Based Vehicle Tracking.*
Authors: D. Amala Devi, B.VeeraswamiNayak

In today's world the major critical issue is the women security. Each and every individual is responsible for making them feel safe when they are outside or when they are in home. Everyone must ensure to help women and come out of this issue. The security system with technologies like GSM, GPS was used. This system is used along with the advanced specialized software for tracking the women who are in dangerous situation. When the victim is in dangerous situation the system will be useful in tracking the victim and also alerts the dear ones of the victim through messages. All they need to do is that they have to press the danger button. Google maps are used for finding the exact location of a vehicle send by the victim. Nowadays the majority of the employers ensure their women employee who is working late nights. They are imposing this through the security system and specialized apps. Mainly in most of the security system GSM and GPS combination is used for their women employee vehicle tracking.

TITLE 3: *Women Empowerment: One Stop Solution for Women.*
Author: Sharifa Rania Mahmud, Jannatul Maowa, Ferry Wahyu Wibowo

It is estimated that by 2050 our world population will be around nine billion whereas now it is around only seven billion. Around 53% of the women population are experiencing many security problems throughout their life. Always everywhere in our world we will find inequality between men and women available. In undeveloped countries they are mostly neglected and been isolated. Thus it makes them feel un confident and stops being responsible and dependent on others. Even in the developed countries men are superior in terms of education, health and in many factors. Women in rural areas when compared to the urban women they are forced to be responsible for many of the household works and other works related to the family without having any economic benefits. Urban women are still back in the area of manufacturing related work due to the major dominance from men. The mobile application has been developed which user friendly is called as Women Empowerment. This application contains many laws related to women empowerment; it also contains some healthy tips for women. Emergency call system facility has been included for the use when they are in danger.

TITLE 4: *Design and Implementation of a Rescue System for Safety of Women*
Authors: Madhura Mahajan, KTV Reddy, Manita Rajput

In recent decades there is a drastic increase in violence for women. Due to increase in working women ratio in all the areas, they have to travel long distances, remote areas and also travel late hours. Even this late hour travel is for their personal and official work. The increased rate in harassment to women has been the obstacle for the further development in many fields. Protecting the women is not the only measure to avoid the abuse but also it is necessary to provide some safety systems which acts as a security in case if they are in danger. In general during the attack the main reason is that women are immobilized and forced to be in a situation they are unable to contact anyone for requesting help. Thus a system has been introduced as a part of the women daily wearable's. The only thing women need to do is that they need to wear clothes in which system has been inserted and need to press the button when they feel they are in dangerous situations. On doing so they can alert their dear ones with multiple messages and convey they are in dangerous situation.

TITLE 5: *Efficient Tracking for Women Safety and Security Using IOT*
Authors: S.Vahini, N.Vijaykumar

In our society women play a vital role from birth till the end of our life. Women safety has become the great question mark for the past few years. Women under the age group of 25 to 35 have been facing the harassment in their entire life period. One of the biggest social issue of our world is our women safety and security. Thus a system has been introduced in the form of wrist watches or lockets which ensures women safety and security. System will be detecting the pulse rates, heartbeat, calories and oxygen level and will be transferred to the receiver through Bluetooth device. The user needs to enable the system before using it. The system will also be used as a health tracker. When a users

measuring rate of pulse rate, heart beat or calories has been increased above the normal rate the system will be generating the warning messages.

3. Conclusion

From the above discussed details we can design the system much more efficient using the technologies such as GSM, GPS, camera and Google Maps etc. , for ensuring the women safety. The system can be implemented in the form of women wearable's. Women can use this security system when they feel they are not in a safe situation. For example when they are traveling alone in auto/cab during night or when they are travelling with anonymous person we can use this device. If they do one click the system can send the exact current location of the victim to the registered contact numbers. Then we can capture an image and it can be shared through telegram to the registered numbers as an evidence. so this will be very useful for further investigation.

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