ULTRA PROTECTION FOR FUTURE GENERATION WOMEN SAFETY

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ABSTRACT

The project entitled "ULTRA PROTECTION FOR FUTURE ENERATION WOMEN SAFETY". The safety for women has turn a major issue as the day-by-day cases building up in all over the world. This proposed plan explains women's safety and their security by using an plan to transmit alert dispatch, showing safe point & alert authorities. It suggest a stand-in view to use technology to guard women. In this scheme, an android predicated smart phone with an intertwined note that alert and provides point-predicated information. It hand nature-defence and SMS alert when a women is in trouble. Multiple cases remain mysterious due to short validation. So, unremitting showing the safe zone where, showing the victim safety tips, offline mode is a countless of the foremost useful features of this system.

Keywords: IOT Sensors, LED display board.

INTRODUCTION

In present's world, women safety has turn a major issue as they can't step out of their house at any time due to physical/sexual abuse and fear of violence. Indeed in the 21st century where the technology is double-quick growing and new widget were developed but still women's and girl are facing problems. May present in india, women can't move at night in isolated places and truly at day time crowded places hundreds and thousands of incident of physical/sexual abuse come to every day women in this country. Among other crimes, abuse is the fastest growing crime in the country now. As women safety has always been an issue indeed in these modernistic time with so historic advancement in technology. Women are not safe anywhere and are most vulnerable when travelling alone into lonely roads and forgotten places. The hand-held safety partiality for women want natural intervention for starting the device. The toilsome for of our scheme aims at designing an ultra security predicated wireless safety device that relies on providing security to women by non- contact point grounded technique of connectivity to the device and altering near by people and police when a women isn't safe with the help of EOS (end of service) call. An unsafe situation is saw by the device and moreover it'll automatically caution near by people, parent and police. Additional features like as shocking, short communications are also part of the device. Person who misbehaves can't may sense device's presence as we hide and won't give any hint to the offender.

LITERATURE REVIEW

Internet of things (IOT) that leads to small security technology. They have highlighted the development of a safety device called the smart band that communicate with a smart phone that has access to the internet, thereby, alerting a victim's family, friends and police about the incident, aided by GPS tracking and message services. Also, have proposed a smart intelligent security system for women and have shown their concerned regarding various issues faced by women. In the proposed system uses two objects, a wrist band and spectacles, where the brand incorporates a switch to activate a streaming alarm and tear gas mechanism for self-defending purpose and also sends alert messages and location to emergency contacts [3]. The system also incorporates a mechanism to figure out the attackers using a live streaming video. Authors have developed a smart security device based on IOT concept. Throwing light on societal challengers faced by women, a device called "watch me" has been proposed that includes a sensor to detect the heart beat rate of a person that will become high when women is in danger, generating a alarm sound to grab the attention of nearby people the device also automatically makes a call to registered contacts and supports GPS tracking to tract the victim's location. Author have described the employment of internet of things in the physical world across many sectors. The paper presences a novel approach to collect data from the devices using sensors and many case studies in which it can be apply through a sample demonstration of smart home based on the principle. The device is based blood pressure sensors and sends a help message to registered numbers and location tracking child safety.

wearable: this device enables to track the daily activity of the children and also locate the child using wi-fi and Bluetooth services present on the device.

Here me: an application that includes lock screen access and instant on the receiver device and can be accessed through hardware buttons to facilitate quick access.

Women femme: it consist of a device and a smart phone that includes audio recordings.

Abhaya app: it is an android app which was mainly developed for women safety that provided instant location to the registered contacts by pressing a single power button in the phone.

METHODOLOGY

To process a program through Arduino board

Arduino IOT cloud is an operation that helps makers make connected objects in a quick, easy and secure way. You can connect multiple bias to each other and allow them to change real-time data. You can also cover them from anywhere using a simple stoner interface.

An Arduino is the heart of our design and it's obviously our motherboard to which is used to program and process that bear information to the corresponding interfaced element similar as detector and communication bias.

Priority 1: communication

Priority 2: alarm + communication Priority3: alarm + communication + call

2 Giving a alert by using Alarm:

The Iot smart alarm clock has custom made to speech synthesizer, three ways of wake- up sound, set alarm via smart phone or any other computer, running apache2 waitperson, automatic, display lightness conformation, audio amplifier volume control, 3D-printable case,

case constructed-in tactile switch, alphanumeric display shows manual. The alarm will be raised the woman witness any type of disturbance. At time of critical situation our system can transmit communication through GSM the device is lost the communication is transported till the addict view the manual communication.
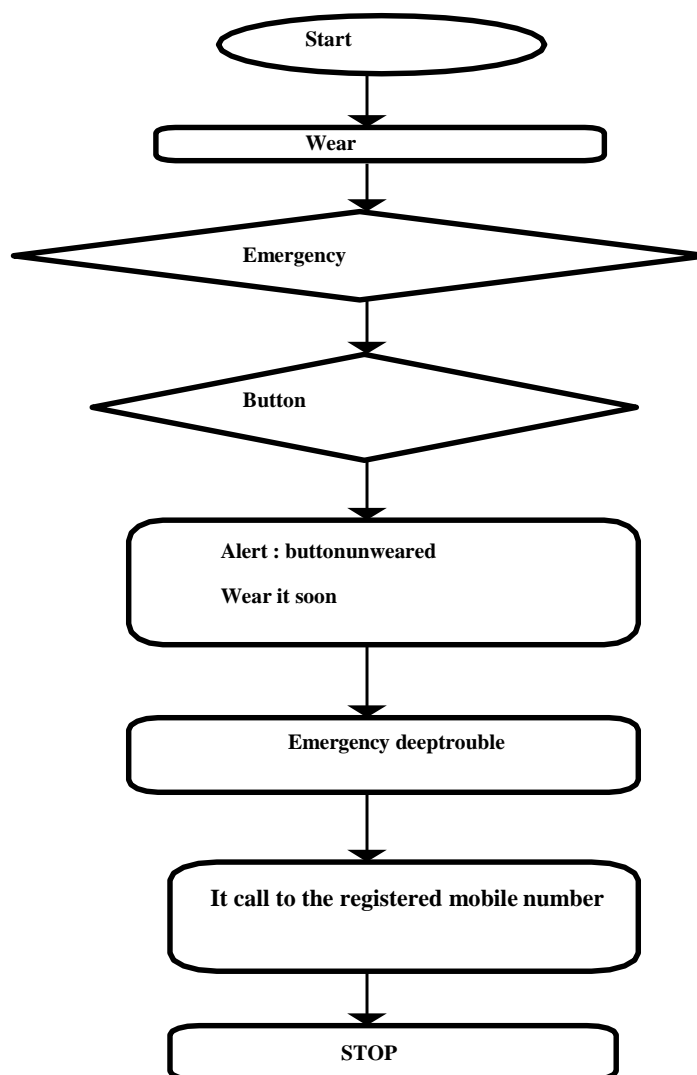
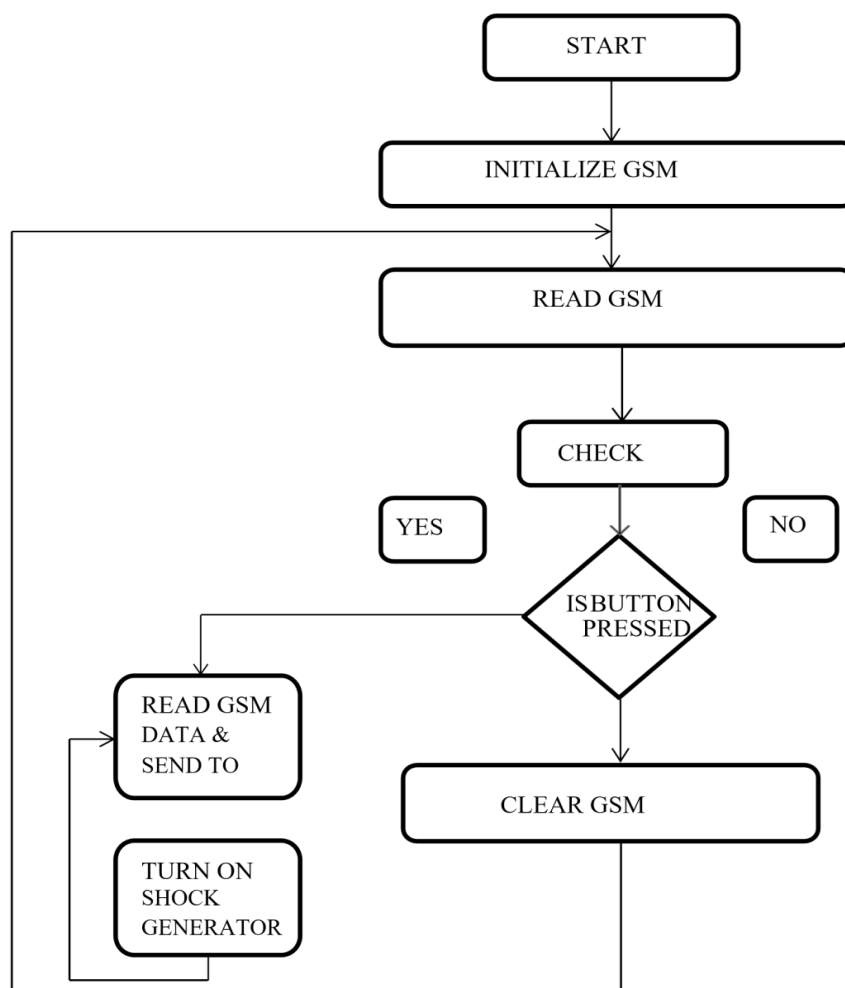**Send a message through GSM Modem :**

A GSM modem or GSM module is a device that uses GSM mobile telephone technology to supply a wireless data link to a network. GSM modems are used in mobile telephone and other stuff that communicates with mobile telephone networks. They use SIMs to identify their device to the network.

Working GSM is combination of TDMA (time division multiple access), FDMA (prevalence division multiple access) and frequency hopping. Primarily, GSM use two frequency bands of 25 MHz range 890 to 915 MHz frequency band for low-link and 935 to 960 MHz frequency for down-link. After on, two 75 MHz band were added.

The GSM modem sends an SMS to the predefined mobile number when an woman is in trouble and in need of constitution defence also she can press the button which is allowed to her.

Flowchart and Advantage

The main advantage of this system is that this device small and easy to carry.

It reduce the crime rate against the women.

The proposed women safety device hand over helping hand to a women who might be in an unsafe situation.

It smoothly identifies the communication by using vibration detector.

CONCLUSION AND FUTURE WORK

The system "ultra protection for future generation women safety" has been successfully aimed and tired. Away the advanced system will trade with critical issues faced by women in the near yesterday and will help to work out them with technically rational stuff's and models, this network can overbear the panic that scares every females in the country about her safety and security. Our scheme idea gives an prolonging to purpose a network which shall frame every location and every hour secure for female over. A system which share- establish how veritably outgoing humankind is. This network shall geotag and shoot SOS alarm to the nearest law quarter, compact connections and alike safe people in and around the platform of the lawbreaking, everything exactly at a click of a push button. The model is to frame up for the occasion it takes law to turn up for at the point. We can adjoin a camera and microphone to the Arduino ATMEGA. By operating this we can capture the match and report the audio of the person, who are in trouble and these data will spread by exploiting the GSM module.

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