

WOMEN SAFETY AND SECURITY SYSTEM

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Abstract – Today in the current global scenario, the prime question in every girl's mind, considering the ever rising increase of issues on women harassment in recent past is mostly about her safety and security. The only thought haunting every girl is when they will be able to move freely on the streets even in odd hours without worrying about their security. This paper suggests a new perspective to use technology for women safety. "848 Indian Women Are Harassed, Raped, Killed Every Day!!" That's a way beyond HUGE number! We propose an idea which changes the way everyone thinks about women safety.

1. LITERATURE SURVEY:

Real-time tracking has been a field of interest for many researchers and a lot of research work has been done for tracking system. In 2014, G.Bharathi and L. Ramurthy from Vemu Institute of Technology proposed "Children Tracking System Using Arm7 Microcontroller" in International Journal of Industrial Electronics and Electrical Engineering. It was very basic system which was able to provide only location of the user via GSM.

In 2016, "A Review on IOT Based Smart GPS Device for Child and Women Safety Applications" was proposed in International Journal of Engineering Research and General Science. It proposed the concept of providing data over web server.

2. INTRODUCTION:

In today's world, ensuring the safety and security of women has become a critical concern. To address this issue, a Women Safety and Security System Module can be developed. This module aims to provide women with a sense of security and assistance in times of need.

By developing and implementing such a module, we can take a step towards creating a safer environment for women and ensuring their security and well-being.

The Women Safety and Security Module is a comprehensive system designed to enhance the safety and

security of women in various settings. This module aims to empower women to protect themselves and seek help in times of need, contributing to a safer environment for all women.

Safety is the most wanted power for everyone in today's world. Technology is the best way to achieve it. That's the reason to develop this project that can act as a rescue device and protect at the time of danger. The motivation behind this project is an attempt to focus on a security system that is designed merely to serve the purpose of providing security to women so that they never feel helpless while facing such social challenges.

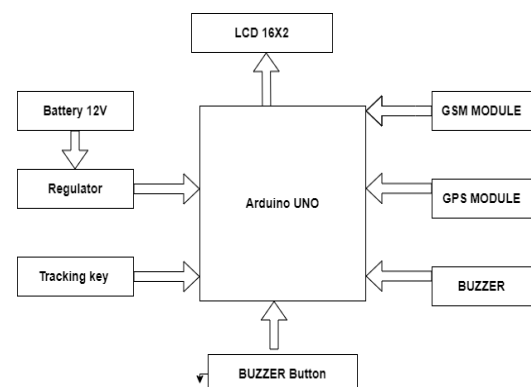
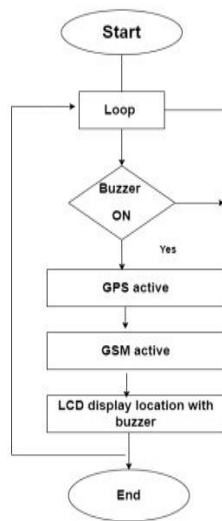


Fig 1: Block Diagram

3.WORKING

To press the tracking key signal, one must first go to the Arduino. Then all components are activated, the signal then proceeds to the buzzer, and the buzzer will be activated. If the signal passes through GPS in the (global positioning system), GPS will be activated, and it will find out the current position of the person. The signal then passes through GSM (global system for mobile communication), activating GSM through an emergency message displayed on an LCD 16x2. GSM then sends the emergency message to a well-defined number.



CONCLUSION

It can be concluded that the device helps to supports the gender equality by providing safe environment to women in the society, and allows them to work till late nights. The importance of women's safety cannot be overstated. On a daily basis, women face a variety of safety risks and threats, and it is critical that they have access to the tools and resources they need to protect themselves. A variety of safety systems and devices, such as personal safety alarms, pepper spray, and self-defence classes, have been developed to assist women in remaining safe.

FUTURE SCOPE

We propose to have a device which is the integration of multiple devices, hardware comprises of a wearable “Smart band” which continuously communicates with Smart phone

that has access to the internet. The application is programmed and loaded with all the required data which includes Human behavior and reactions to different situations like anger, fear and anxiety. This generates a signal which is transmitted to the smart phone.

REFERENCES

Vamil B. Sangoi, “Smart security solutions,” International Journal of Current Engineering and Technology, Vol.4, No.5, Oct-2014.

Output

