Women safety device

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A Project Proposal
submitted for the partial fulfillment of the requirements
for the degree of B.Sc. Engineering in Computer Science and Engineering.

Course Title : Project part I
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1.INTRODUCTION :

This modern era women are feeling insecure to step out of their house because of increasing crimes in our country like harassment, abuse, violence etc., The corporate and IT sector are currently in boom. Many women are working in corporate even in night shifts. There is a feeling of insecurity among the working women. The proposed device is more like a safety system in case of emergency. This device can be fitted in a Bag . It is an easy to carry device with more features and functions. The main purpose of this device is to intimate the parents and police about the current location of the women. A GPS system is used to trace the current position of the victim and a GSM modem is used to send the message to the pre-defined numbers. This model is also useful for small children's, elderly aged people also.

2. GOAL AND OBJECTIVE

The main purpose of our project is to provide safety to the women's from the dangerous zone. In this project we are providing facility to secure the women's by providing this kit. As the women feels insecure at that time she can press the button .GPS will calculate the latitude and longitude co-ordinates of that area. The controller read this value and send those data to the pre-defined number which is already saved in program.

3. METHOD
Design Overview
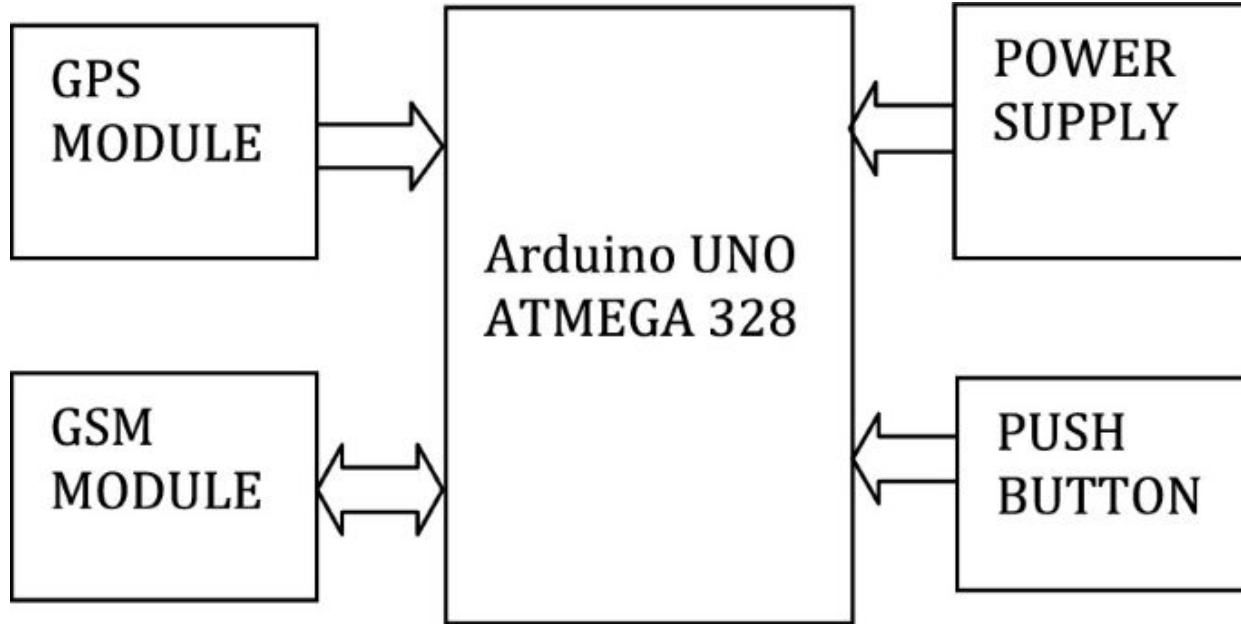The Block diagram of our proposed system is as shown below:

Fig-1: Block Diagram of Women Security System

4.Requirements:

1. Arduino
2. LCD Display
3. GSM Module
4. GPS Module
5. Power supply
6. Push key

5.METHODOLOGY :

The proposed system is the development of protection device for women and children via GPS GSM and Electric Teasersystem. In the system the GPS module is connected to the microcontroller using serial port and GSM component is connected to the microcontroller through the software serial port. Whenever 4 switch is pressed by victim it generates a signal and this signal goes to our micro-controller board through which signal is sent to GSM module and GSM send currentlocation to police and family members through the GPS

6.Expected Outcome : A women's safety system that utilizes GSM and GPS technology can provide a sense of security to women in distress. The system can be activated by the user in case of any harassment faced or if in any sort of trouble. The device sends the current location of the woman to the family members and concerned authorities. The device also has a panic button which can be used to alert the authorities in case of an emergency. Its provide a reliable and efficient way for women to call for help and share their location with their predefined emergency number .

7. APPLICATIONS:

1.Can be used to enhance the security of women, broodsand elderly people.
2.Elderly people suffering with Alzheimers can use this device during a case of emergency.
3.Can be used for self-defense by women and children.
4.Tourists can carry this for their safety while exploringnew and less familiar places

7.IMPACT ON SOCIETY : The impact of such a system on society can be significant. It can help reduce the number of cases of harassment and violence against women by providing a way for them to call for help and share their location with their emergency contacts. This can help women feel more secure and confident while traveling alone or in unfamiliar places. Additionally, such a system can help raise awareness about the issue of women's safety and encourage people to take action to address it .

8. CONCLUSION:
The proposed design will deal with critical issues faced by women in the near past and will help to solve them with technically sound equipment's and ideas. This system can overcome the fear that scares every woman in the country about her safety and security.

9. REFERENCE:

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