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Title: Voice Controlled Emergency Alert System

Problem definition:

The basic problem with the SOS application is that they are not always able to respond swiftly to distress calls. These limitations include not knowing the location of the crime and not knowing the crime is occurring at all: it is difficult for the victim to call the police confidently and quietly. To aid in the removal of these prohibitions. This article presents the safety devices to contact the people using voice message. For the people is in dangerous to travel alone at night in today's atmosphere, Identifying and utilizing resources to get you out of unsafe situations is an effective way to reduce your risks of being a victim of violent crime. A safety device on your phone can help you lower your risk and receive help when you need it. Unlike other applications that can only be used in an emergency or in a dangerous circumstance, this device may be used for safety or precautionary purposes. Prevention, as the adage goes, is preferable than cure.

Motivation:

The existing system SOS device is available, but problem with that

- She cannot always able to press the SOS button at the emergency situation
- And Why the device is only for women's , other people may also need help, they also want to get help from others when they are in Emergency situation

For that we need the device which can able to inform/get help from our friends ,family so on. And also when they are in the emergency situation they able to get the help from the saved contact ,by their voice ,that can send the message and current location of the User.

Litaratur Survey:

Disadvantages• All the existing systems must be connected to the GPRS service to work properly, hence cannot be used during emergency if there is no internet connectivity.

• Monitoring was tedious.

• Mischance in arriving rate

. Advantages of the Proposed System• It is an all-in-one system. Hence no need to carry multiple devices.

- GPS attached with the device, hence it will share the current location of the user to the saved contacts.
- User can send the location and message through voice.

Refered Papers:

- WOMEN SAFETY DEVICE USING IOT Dr.C K Gomathy,Ms.S.Geetha Sri Chandrasekharendra SaraswathiViswa Mahavidyalaya , Kanchipuram
  https://www.researchgate.net/publication/357748826_WOMEN_SAFETY_DEVICE_USING_IOT
- Women Safety System using IoT
  URL: https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=9792929&isnumber=9792586
- WOMEN'S SAFETY SYSTEM USING IOT T. Sowmya1, D. Triveni2, D. Keerthana3, A. Vasantha Lakshmi4, K. Padma Priya5, G. Kavya6
  https://www.irjet.net/archives/V7/i3/IRJET-V7I3664.pdf
- **Smart Women Safety Device using IoT**
  ij https://www.ijert.org/smart-women-safety-device-using-iot
- IoT Based Emergency Button for Women Safety
  https://doi.org/10.22214/ijraset.2022.42620

Advantages about the research Paper:

- Sending the messages through clicking the button
- Giving shock in Emergency Senior
- Clicking the Picture of the harassed person
- Sending alert messages to Saved Contact
- Implemented buzzer

DisAdvantages about the research Paper:

- **Internet is needed**
- **Blutooth to be On**
- **Button To be clicked to send messages to the Saved contact**