Women's Safety Device: A Smart Solution

This presentation is about the safety device for women's as seeing the increasing rate of crimes against women. This device will surely to reduce the crime rate again women.

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Intoduction

Personal Safety

Our device prioritizes personal safety by offering a discreet and readily accessible method for women to seek help during emergencies.

Problem statement

Briefly describe the safety concerns women face today, highlighting the need for a reliable safety solution

Objective

Introduce your project as a smart device designed to enhance the safety of women by providing an immediate response in emergency situations.

Concept Overview

Device Description

Explain that the device is a small, wearable gadget (like a ring or brooch) that detects voice commands in emergency situations.

Main feature

- Sends SMS and WhatsApp messages to pre-set contacts and local police.
- GPS tracking for location updates.
- Tamper detection for automatic alerts if the device is damaged or broken.

Target Audience

1

Women of All Ages

This device is designed to empower women across all age groups, providing them with a sense of security in various situations.

2

Students and Professionals

From students navigating late-night commutes to professionals traveling for work, this device offers peace of mind in potentially vulnerable scenarios.

3

Individuals Seeking Additional Protection

For individuals who want an extra layer of safety, this device provides a valuable tool for personal security.

How It Works

1

Alert System

Sends alerts to emergency contacts and police.

2

GPS Tracking

Shares location with responders.

3

Tamper Detection

Sends automatic alerts if the device is tampered with.

Technical Components

Hardware Components

- Microcontroller (e.g., Arduino, Raspberry Pi Pico)
- GPS Module for location tracking
- E-SIM Card Module for sending messages and calls
- Battery for power

Software Components

- Emergency Alert System
- Mobile App for configuration and management

Challenges and Solutions

Battery Life

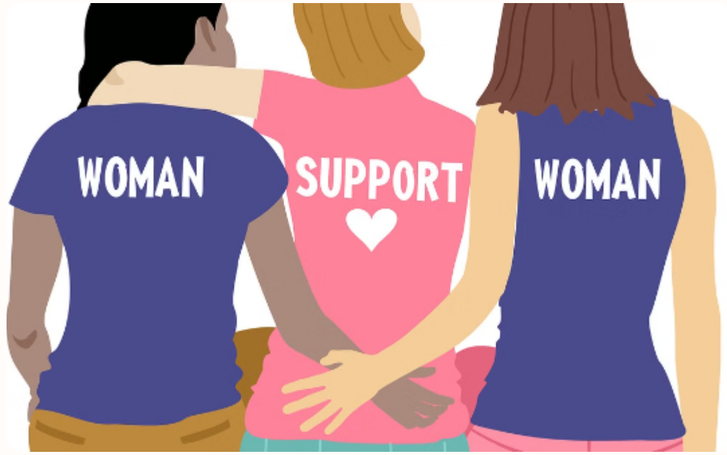
Accurate GPS tracking in dense areas.

User Feedback and Improvement

Proposed Solutions

- Noise-canceling algorithms for better voice detection.
- Low-power components to extend battery life.
- Enhanced GPS modules for improved accuracy.

Impact and Benefits



Impact on Women's Safety

Explain how the device can reduce response times and potentially save lives.

Rapid Response

Shortens response times from emergency services, potentially saving lives.

Peace of Mind

Provides a sense of security and well-being for users, reducing anxiety and fear.

THANK YOU VERY MUCH!