

IOT SheSecure

SAFETY WOMEN DEVICE WITH PANIC BUTTON



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MARRISYA BALQIS
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17DIT23F2010

SITI FARHANA SYAMIMI
MOHD NASIR
17DIT23F2004

NUR IZZATI
ZAINI
17DIT23F2014

PRODUCT DESCRIPTION

IoT SheSecure is a portable women's safety device designed in the form of a compact and easy-to-carry keychain. It enables users to send emergency alerts instantly by simply pressing a panic button during dangerous situations. Once activated, the device can quickly notify trusted contacts by sending real-time location information, helping them respond faster and provide assistance. Its simple design and quick activation make it practical and effective for use in emergencies, especially when time is critical.

SIGNIFICANT & BENEFIT



Enhances women safety

Helps protect women in dangerous situations such as harassment or threats



Reduces response time

Emergency alerts are sent instantly, allowing faster action from family members or authorities.



Real-time GPS location tracking

The device continuously shares the user's exact location, making it easier to find them during emergencies.

METHODOLOGY & MATERIAL



We are able to rapidly create a prototype, which we can test with user feedback to improve until it meets user requirements.

CONCLUSION

The IoT-based women's safety system improves personal safety by sending quick alerts and real-time location during emergencies. Despite limitations like network issues, battery life, and false alerts, it still provides valuable protection and has strong potential for future improvement.

PROBLEM AND CAUSES

- Women face crimes like theft, assault, and harassment, increasing safety risks.
- Existing safety methods like smartphone apps are slow to activate during emergencies, making them less practical.
- There is a lack of simple, fast devices that can send real-time location and emergency alerts to trusted contacts.

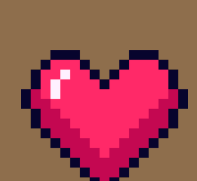
OBJECTIVES

To design and develop an IoT-based women's safety device with a panic button for instant activation.

To send alerts to family when the panic button is pressed.

To use GPS and a mobile app to share location quickly for help.

COMMERCIALIZATION POTENTIAL



High demand for personal safety devices



Suitable for students, workers, and travelers



Can be marketed as affordable safety keychain

SURVEY

75%

Estimated suitable price for the safety device is RM 50 - RM100

58%

Most people say that Real-time location sharing is important.

100%

Most Students and working women are suitable to use the device.

75%

Most people are interested in using personal safety devices.