



WOX

Protecting Women
Empowering Change

OBJECTIVES

The objectives of a women's safety device are centered around enhancing personal safety, providing immediate assistance in emergency situations, and empowering women to protect themselves.

- Prevention of Violence
- Immediate Access to Help
- Real-time Alerts and Notifications
- Location Tracking and GPS
- Panic Button and Distress Signals
- Discreet and Covert Operation
- Data Collection and Evidence Gathering

CHALLENGES FACED BY WOMEN

- Harassment and Assault
- Fear of Violence
- Lack of Safe Transportation
- Stalking and Cyberbullying
- Victim Blaming and Social Stigma
- Inadequate Support Systems
- Workplace Safety
- Intimate Partner Violence
- Safety in Public Spaces
- Cultural and Societal Norms

NEED FOR WOX

The need for a safety app for women arises from the unique safety concerns and challenges faced by women in various situations. Here are some key reasons highlighting the need for a safety app specifically designed for women:

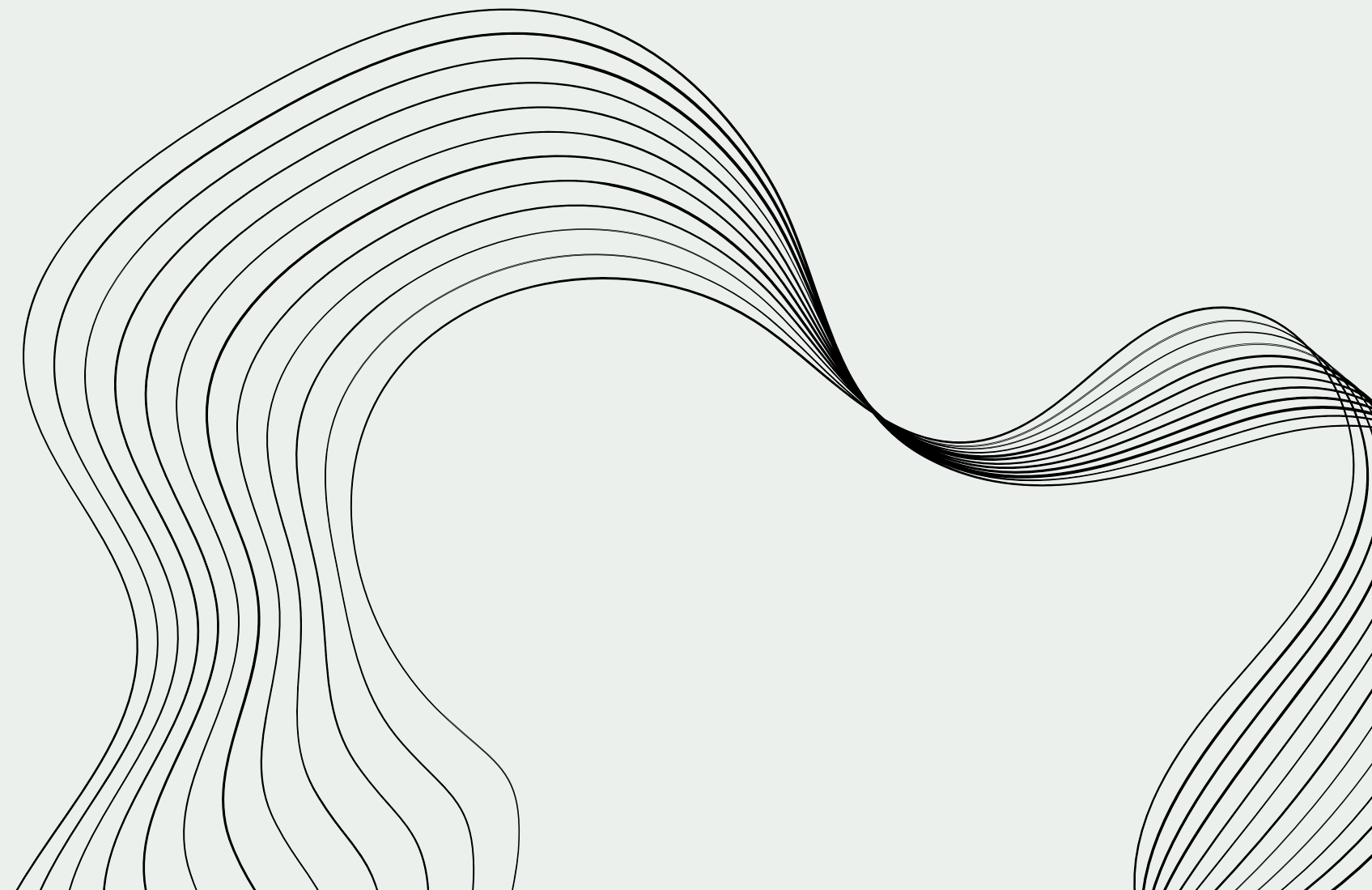
Personal Safety

Emergency Situations

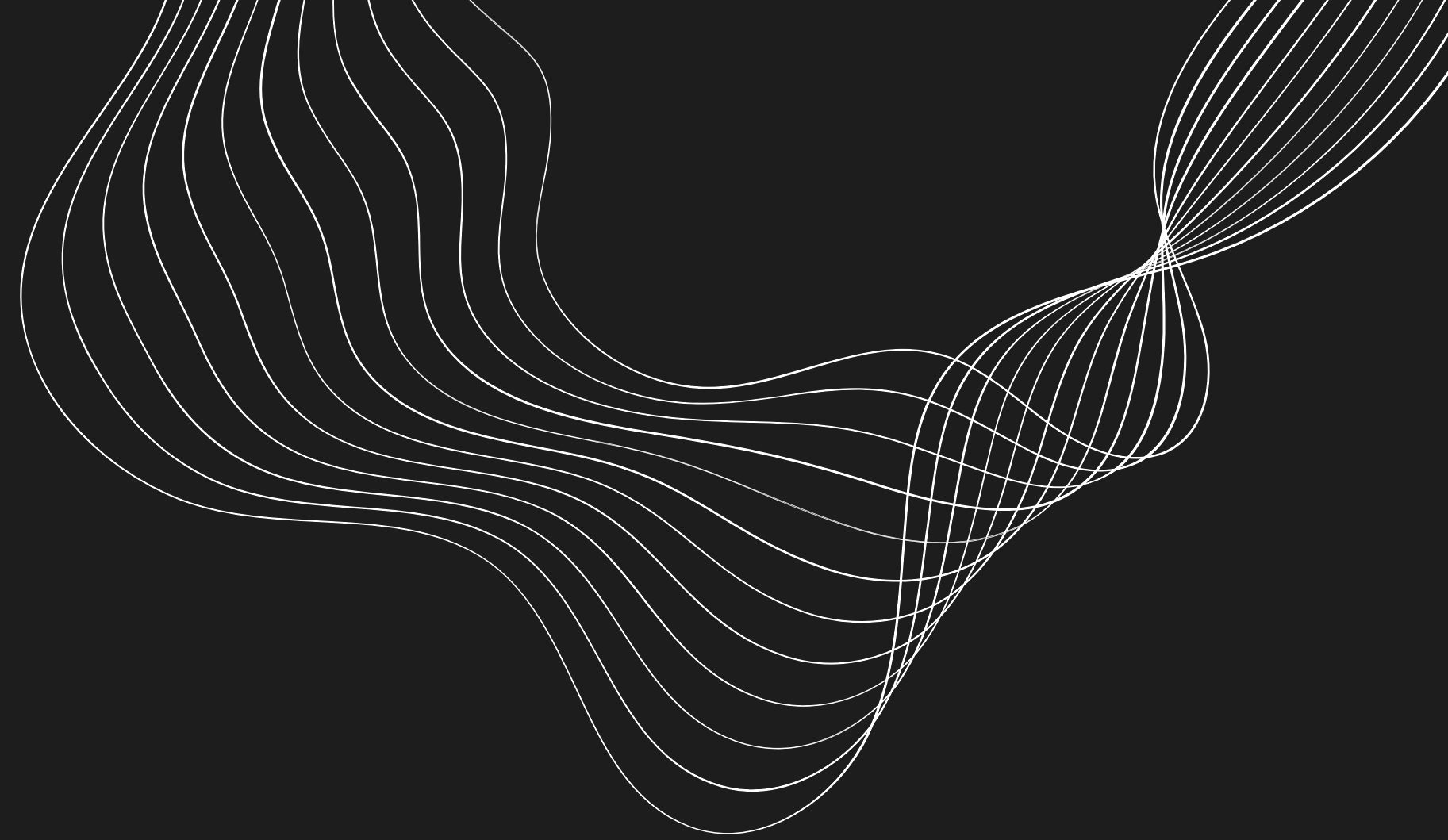
Real-time Alerts

Empowerment and Confidence

Emotional Support



OUR SOLUTION



We have come up with a device that serves women during a threat by combining advanced technology with intuitive design. Here's how our device provides a comprehensive safety solution.

HOW IT WORKS

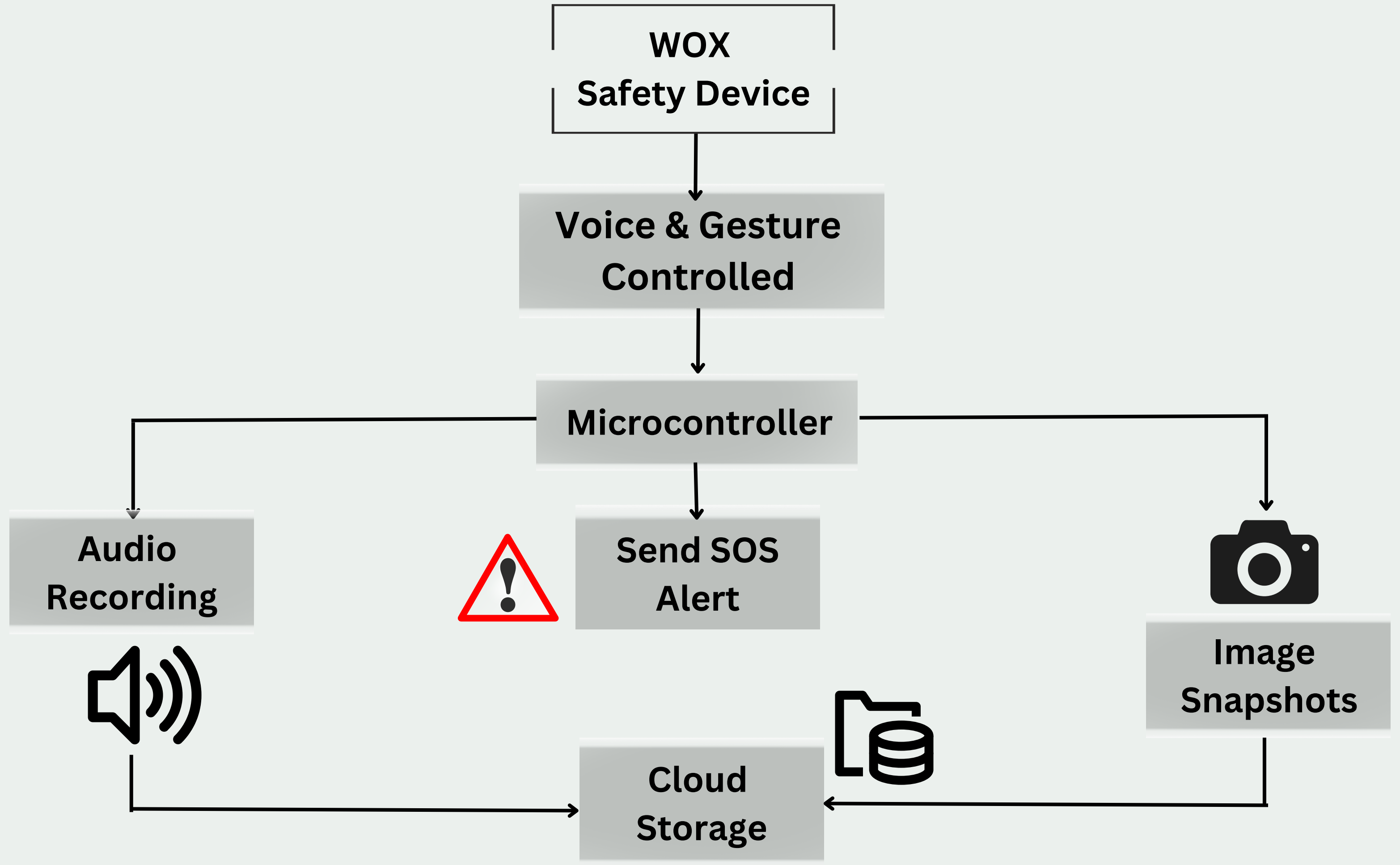
A device integrated with the latest **microcontroller** technology that is not only small in size but more powerful than ever before.

It comes with a **voice activated** or **gesture triggered** interface which is highly responsive and provides immediate assistance at a time of crisis.

The ability to transmit an **SOS signal**, upload **snapshots** and also a **audio** recording just by a simple gesture.

It also has the feature to **store** the transmitted images and audio in a database which serves as **evidence**.

ARCHITECTURE



COMPONENTS

MICROCONTROLLER

ESP 32

IMAGE SNAPSHOTS

ESP 32 Camera
module

VOICE & GESTURE

Gyroscope and
an inbuilt mic

SOS ALERT

Python & Twilio

AUDIO RECORDING

Enhanced with AWS
cognitive service for
speech-to-text API

CLOUD STORAGE

CONCLUSION

In conclusion, our women's safety device is a game-changer in addressing the challenges women face regarding their personal safety. With its advanced features, discreet design, and intuitive functionality, it offers a comprehensive solution for empowering women and enhancing their sense of security. By combining technology, community support, and education, we aim to create a safer world where women can confidently navigate their lives. Together, let's empower women and make their safety a top priority.



THANK YOU

