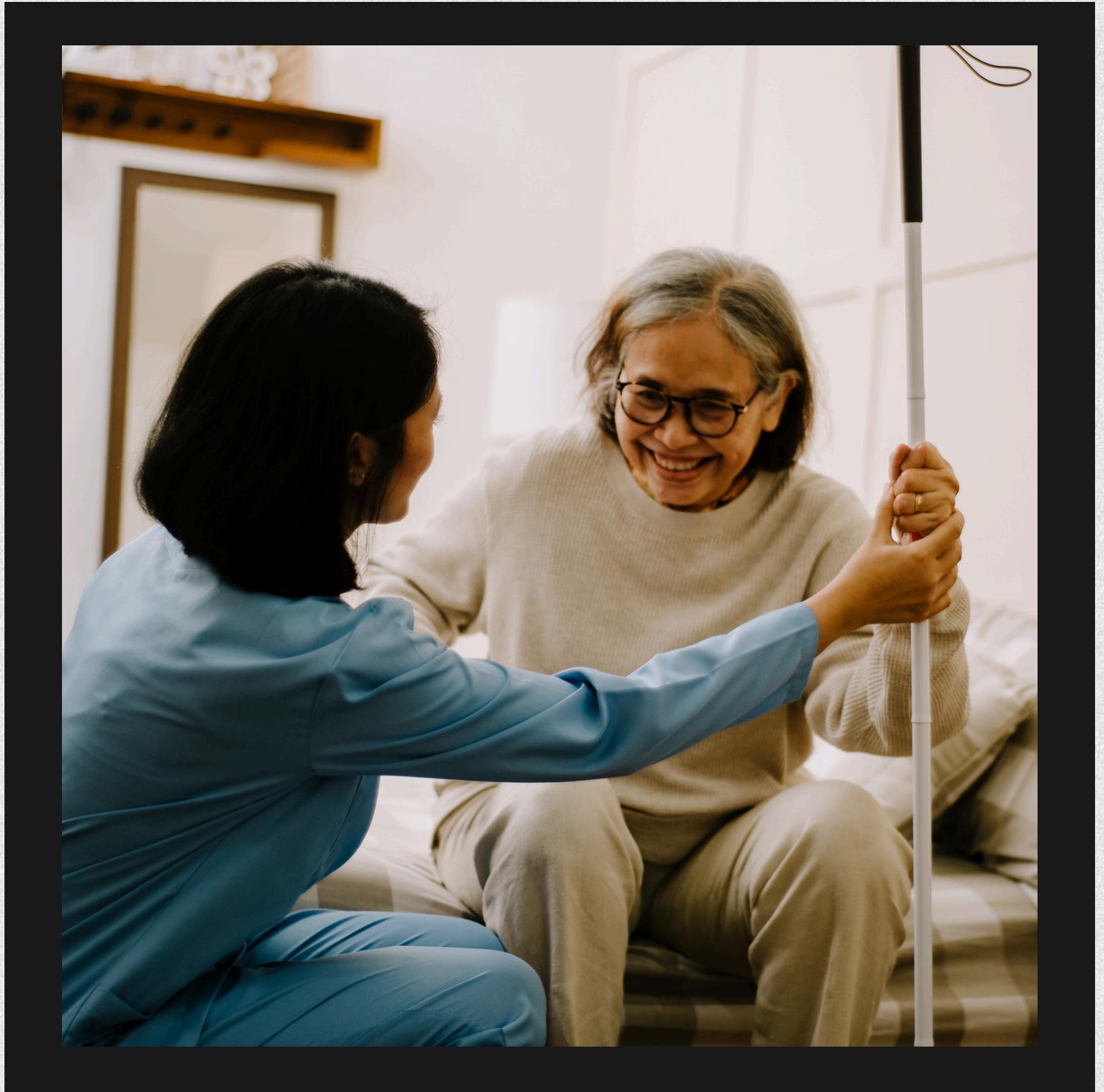


# Safevision

IMITSURU



# Falls and Emergencies

**1/3**

**40%**

**10 mins**

**individuals above  
65 experience at  
least 1 fall  
annually**

**falls results in  
deaths**

- **irreversible brain damage**
- **loss of month long disability  
free life**

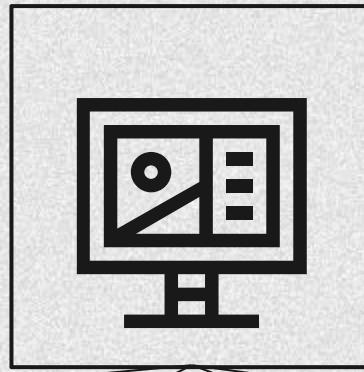


# SOLUTION - SafeVision

SafeVision is an AI-powered web application that detects human collapses instantly, allowing early intervention for these medical emergencies



# Features



## Computer Vision Fall Detector

Camera monitoring system to detect falls

## NLP Prompting and reply processing

Prompts questions and takes in user replies for processing to check on their status

## Automated response system

Notifies emergency services and next of kin essential medical information and incident report

## Vitals tracker

Wearable to track real time vitals



# video Demonstration

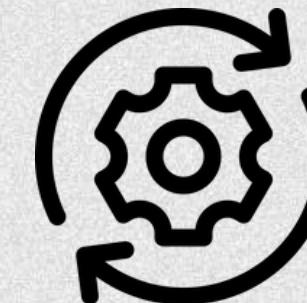


# Healthcare Solution and Business Initiative



## AI-Driven Proactive Healthcare Monitoring

SafeVision leverages AI-driven monitoring to provide seamless, real-time detection, ensuring proactive intervention and transforming healthcare accessibility.

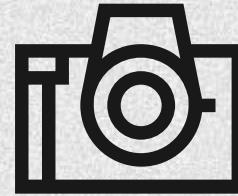


## Empowering Individuals with Smart Automation

By integrating intelligent automation, our system enhances personalized care, reduces response time, and enables independent, AI-supported living.

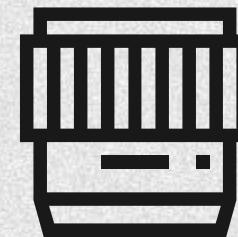


# Considerations and Future Plans



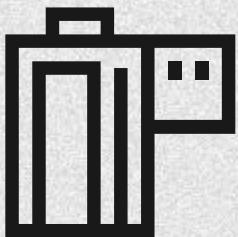
## Privacy

LiDAR or heat imaging with computer vision, detecting falls without direct video streaming, ensuring anonymity and security.



## Camera Blind Spots

Audio detection enhances accuracy in less visible falls by analyzing impact sounds, wearable vital signs, and supports multiple languages for broader adaptability in healthcare settings.



## Reinforcement Learning

enhances incident classification and reporting by optimizing diagnosis predictions, adjusting NLP prompts, and refining emergency response times.



# CONCLUSIONS



1

Our solution ensures real-time fall detection and instant response, transforming healthcare with AI-powered early intervention.

2

Seamless & Adaptive Emergency Response

