

# Intelligent Robot Navigation For elderly assistance

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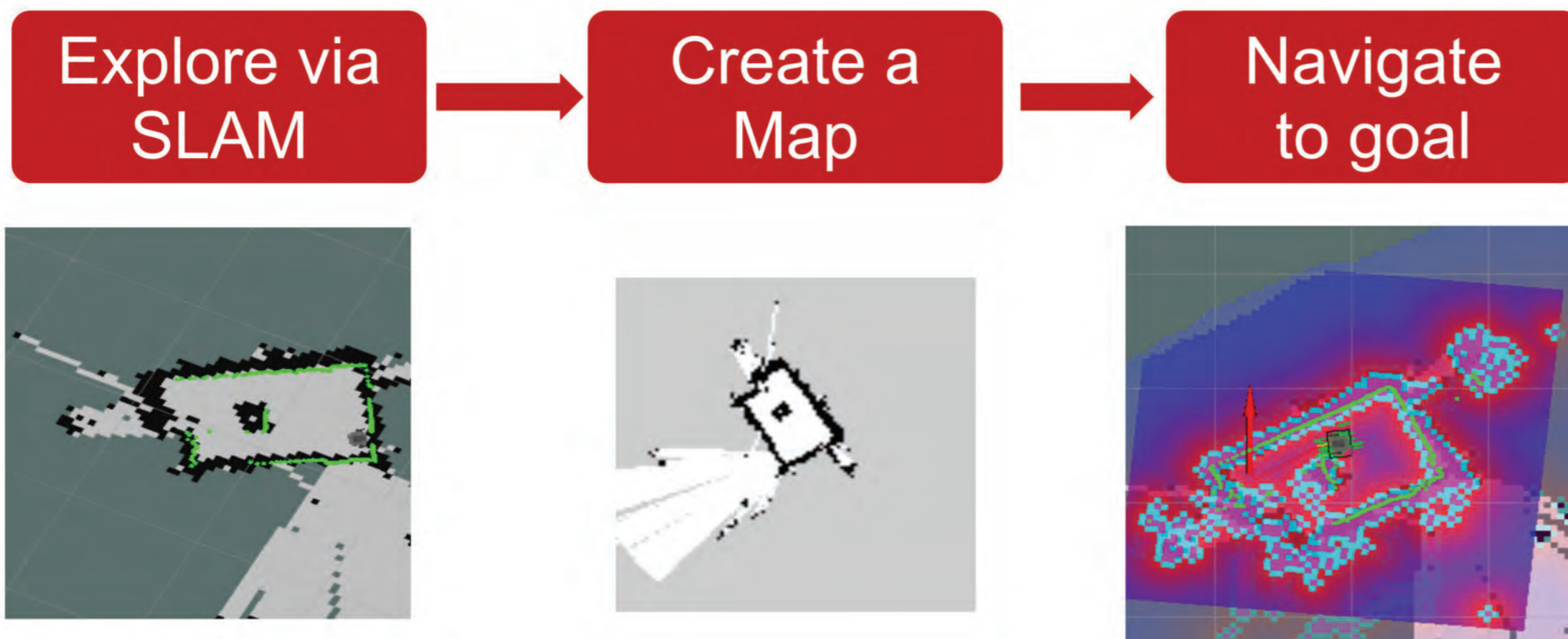
## Background

Physical and mental care for fit or disabled senior citizens is an increasingly growing market for new technology solutions. To curb the lack of manpower, assistive care has been introduced. Its role has the potential to expand as the technology advances, as well as reduce costs and risks while enabling seniors to age well.

## Objectives

1. Create and functionally test robotic navigation using TurtleBot3 via Simultaneous Localization and Mapping (SLAM) technique
2. Monitor elderly with Raspberry Pi camera module and PushBullet application
3. Use speakers to further enhance elderly assistance

## Move via Robotic Navigation



## Speak



Using *eSpeak* software on Rpi and connecting speaker to Rpi audio jack

## See via Rpi Monitoring

