

Travel with Confidence

A mobility-aware solution for visually impaired commuters

The Challenge

- Identifying the correct bus
- Knowing when to get off
- Navigating to bus stops safely



This leads to:

- Anxiety
- Reduced independence
- Lower use of public transport

Navigating public transport can be stressful and disorientating for visually impaired commuters, leading to a lack of confidence and reduced independence

Introducing



How it works

1. Voice Command



'Take me to TUD Tallaght'

2. Guided to Bus Stop



'GPS navigation guides user safely to correct bus stop'

3. Bus arrival alert



Bus 27 is arriving...
Tracks buses and stops in real time

4. Stop Notification



'Next stop: TUD'
Designed for easy voice interaction

Key Features



GPS Guidance



Uncertainty Alerts



Real-Time Bus Tracking

Impact

- Empowers visually impaired users
- Promotes the use of public transport
- Contributes to more inclusive and sustainable cities

Future Vision



Plans to intergrate bluetooth bus sensors for even more accurate bus identification in the future.

Smarter Travel
Student Awards

