# Walking Navigation App

**User Guide**
Version 2.0.0

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# Content

# Introduction and Purpose

This document is for helping user in functioning the walking navigation app smoothly. It contains the description for the app features and instructions by guiding the user to make full use of the app. The purpose of develop this app is to navigate visually impaired people to selected destinations with simple instructions. Any bugs or limitations associated with the app will be included in this document as this app is just a prototype navigation app.

# App Features

This app can contact the Monash Malaysia Campus's web service to obtain the information about the titles and coordinates which regarding to the corresponding locations. These titles of multiple locations will be displayed on the main page of the app and user will need to select any of the locations available. Afterwards, the app will obtain the coordinates of the chosen locations and start to display a blue highlighted path which will guide the user to the destination. The user will then need to follow the instructions to lead he/she to the destination. Information such as user's position, speed, estimated arrival time and direction to the next waypoint will be shown in the navigate page.
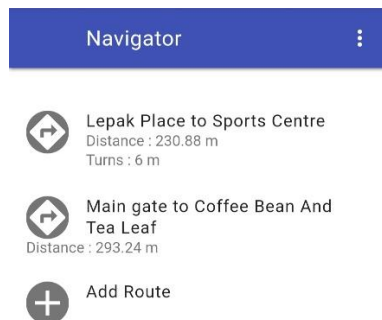
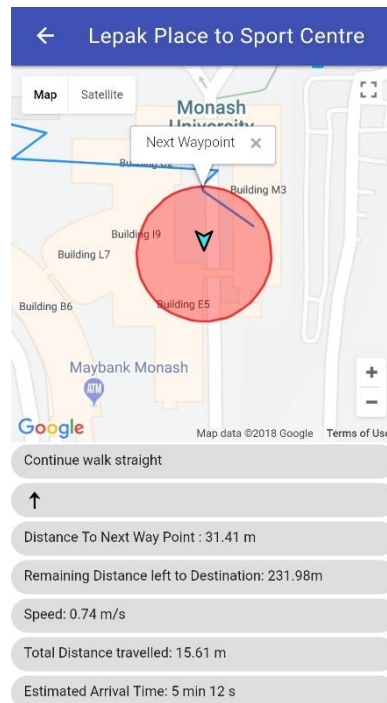# Instructions for Use

## Starting the app



1. An icon can be found on the home screen of the user's device.
2. Select the app by pressing it and it will display the main page of the app

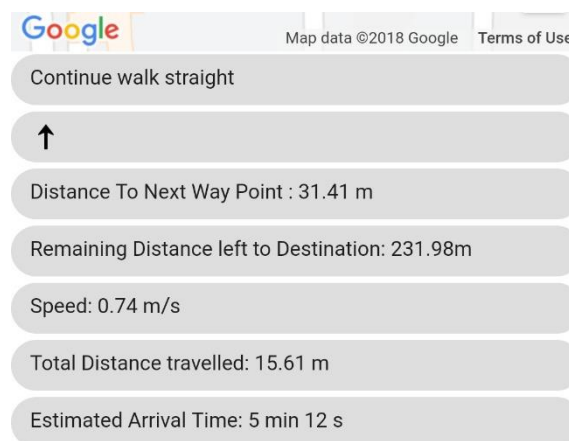## Choosing a path from the main page



1. There will be two path lists and one add route on the main page of the app. Distance and number of turns which corresponding to the path will displayed below the path lists.
2. Choose by clicking any of the path lists, the app will then direct to the navigate page.

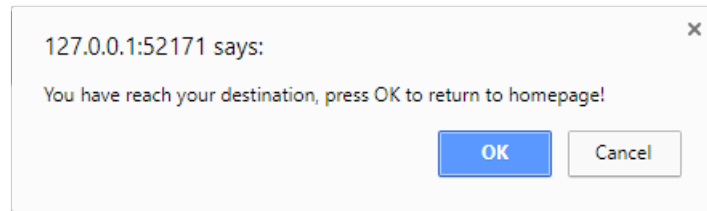## Starting to navigate from current location to the destination



1. As the user moves, the app will direct the user to destination by providing instructions on which direction should the user turn to to ensure the use is in the right track.

## Showing the information about the user



1. On the navigate page, information about the user including 'next action', 'distance to the next way-point', 'distance travelled', 'remaining distance to destination', 'average speed' and 'eta' will be displayed.

## Reaching the destination



1. When the user reaches the destination selected, there will be a pop-up box appears to inform the user that he/she has reached his/her destination.
2. The button 'Done' will bring user back to the main page of the app which is the page to choose path lists by pressing it. The button 'Cancel' will allow user to stay on the current map.

# Known Bugs or Limitations

## Known Bugs

- The app appears to be laggy as it is running.
- The app cannot be used within any building or else user's location.
- The app will not function when it is raining.

## Limitations

- The walking navigation app is only able to be used in Monash University Sunway campus as the web service only provides the information regarding to this campus.
- There is no voice direction for guiding the user.