

# Project Descriptions & Benefits

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1. What's your project name?

Okay Loomo

2. What department are you with?

☐ ECE

☒ CSE

☐ CHE

☐ IE

☐ ME

3. Has the industry partner reviewed and approved the description and benefits?

☒ Yes

☐ No

4. Provide a description of your project.

Segway Loomo, an advanced personal robot, will be used in partnership with the CVG Airport as an airport concierge service that can act as a translator and guide for passengers. With the help of grid-based navigation, the Loomo robot is able to navigate autonomously to airport gates using an A\* search algorithm that guarantees the shortest, most efficient path from a pre-

## 5. What are the benefits to the project client?

- Increases the CVG Airport accessibility by providing autonomous robotic assistance to elderly or disabled passengers.
- Assists airport passengers with navigation and translation.
- Provides research and development services for CVG Innovation.
- Offers the capacity to carry some luggage for airport passengers.

## 6. Did your project require a signed NDA contract?

☐ Yes

☒ No

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