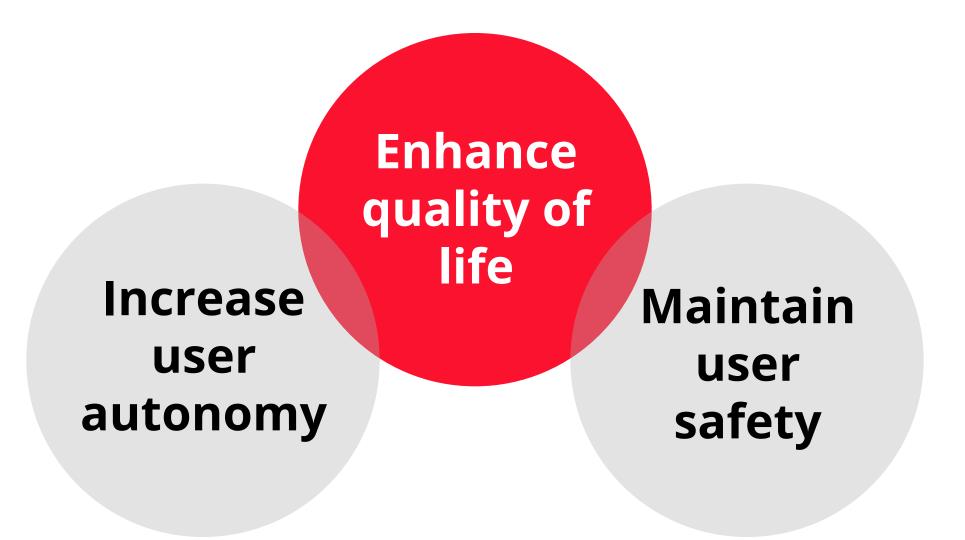
## Redesigning the Personal Mobility Experience

Senior Capstone Program in Engineering (SCOPE)
Olin College of Engineering & Toyota Motor North America





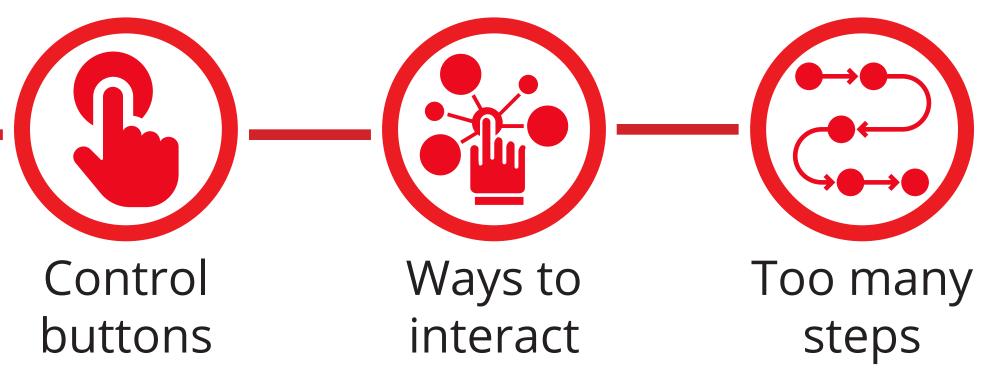
Holistically design a system for power wheelchairs that improves user-chair interaction.





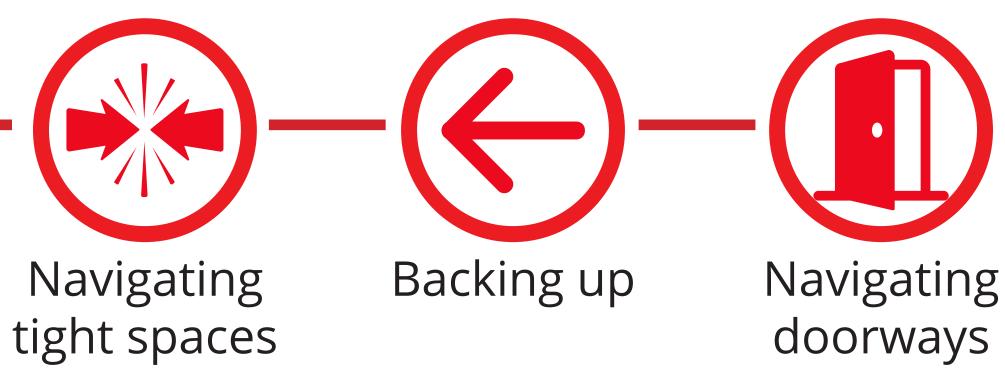
## **Enhanced Interaction**

Surveyed users shared that interacting with their power wheelchair is cumbersome in a few main ways.



## **Enhanced Perception**

90% of power wheelchair users report frustration performing the following common tasks while navigating indoors.



## TOYOTA

**SCOPE Team**Chris Aring, Ava Lakmazaheri,
Sophia Nielsen, Siena Okuno,
Kian Raissian

**Toyota Liaisons**Riley Keen, David Walter
Sarah Darrow, Dario Villarreal

Faculty Advisor
Alessandra Ferzoco