

OTEMON PATHFINDER

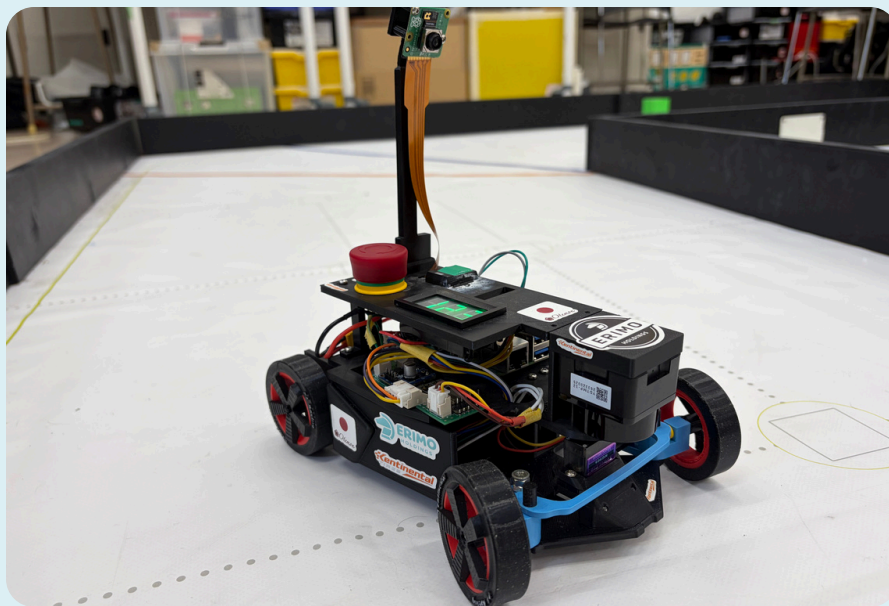
AUTONOMOUS ROBOT

A social-impact exploration of safer, more accessible mobility

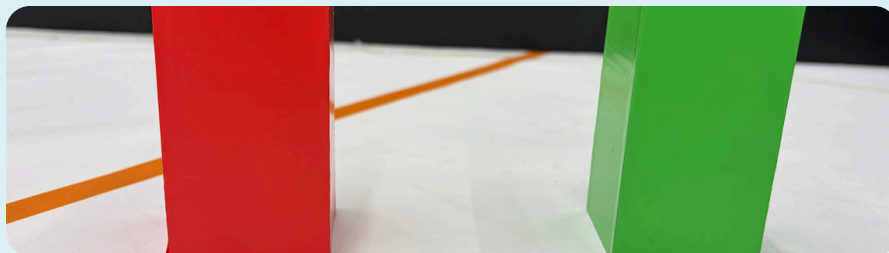
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THE PROJECT

Testing autonomy in a controlled course



Otemon PathFinder is an autonomous robot designed to explore how sensing and navigation can support everyday transportation.



WHY AUTONOMOUS MOBILITY MATTERS

Three connected challenges — one direction for safer movement

There are currently a number of social issues, such as the high number of traffic accidents that occur every year, the inability of older adults to drive, and labor shortages in the logistics industry. These problems can be supported by utilizing autonomous driving technology.

01 TRAFFIC ACCIDENTS

Traffic accidents can cause serious harm. Autonomous driving can support safer movement by sensing surroundings, following routes consistently, and reducing avoidable driving errors.

AUTONOMY AS SUPPORT

02 ELDERLY MOBILITY

Some older adults cannot drive and may have limited public transit nearby. Autonomous buses and shared services can help provide dependable transportation options.

AUTONOMY AS SUPPORT

03 LABOR SHORTAGES IN LOGISTICS

A shortage of workers affects logistics and delivery. Autonomous vehicles can assist with repeatable transport tasks while helping people focus on work that requires human judgment.

AUTONOMY AS SUPPORT

THE DEMONSTRATION

Learning to read the road

This robot can navigate a walled course while avoiding red and green markers based on their color. The demonstration connects perception, decision-making, and movement in one visible task.

THE AIM

A transportation system that is safe and accessible to everyone.

Autonomous driving is not the whole answer — it is one tool that can support people, communities, and the systems they rely on.