

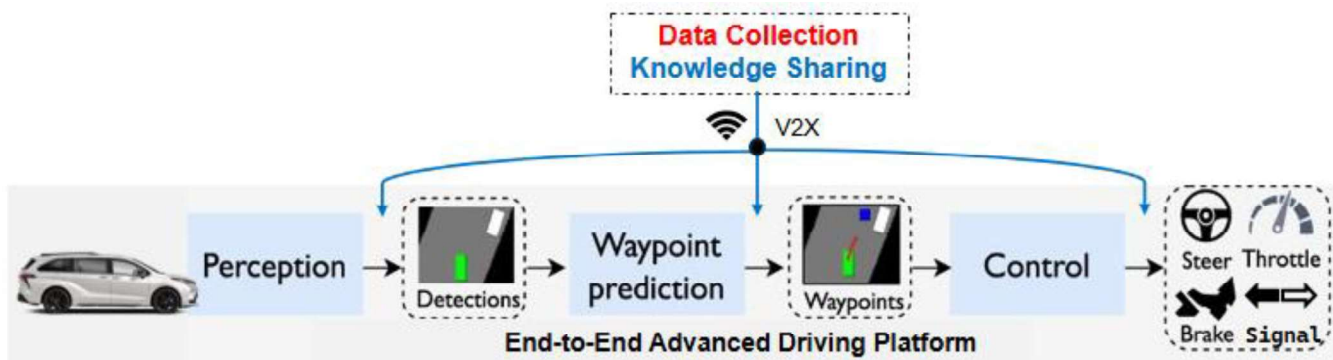
Goal

Enhance Advanced Driving performance in safety and path planning efficiency through V2X communication

- Generate **driving datasets** tailored for connected vehicle applications
- Deploy models to facilitate **knowledge sharing** among vehicles.

Demo Overview

Demonstrate real-world proof of concept that utilizes knowledge sharing to enhance driving path planning for connected vehicles.



Enabling Technology

Develop **LiDAR-based Advanced Driving framework** to integrate cooperative perception with path planning tasks

- Multi-Task Bird's-Eye View Perception for accurate detections and vehicle localization
- Sensing knowledge sharing for **Cooperative Perception** to improve situational awareness
- Enhanced Path Planning through effective tracking and prediction of dynamic objects.

