RAJALAKSHMI ENGINEERING COLLEGE
An AUTONOMOUS Institution
Affiliated to ANNA UNIVERSITY, Chennai

INSTITUTION'S INNOVATION COUNCIL
(Ministry of Education Initiative)

Design Thinking Centre
2nd Design Thinking Project Contest – 24.04.2024
Department of < Electronics and Communication Engineering >

SMART SHOPPING CART

OBJECTIVE

Autonomous car simulation employing Carla, integrating CNN and RL algorithms for enhanced navigation and decision-making capabilities.

EMPATHIZE

The project aims to revolutionize the driving experience by developing an autonomous self-driving car using advanced technology tools like Carla.

IDEATE

The idea behind the project is to create a self-driving car capable of navigating and making decisions autonomously, enhancing safety and convenience on the roads.

PROTOTYPE

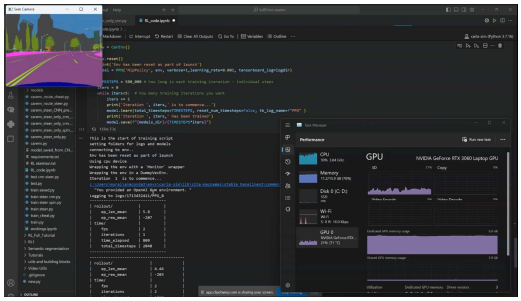
Creating a self-driving car prototype using Carla simulation to test and develop autonomous driving algorithms in a virtual environment.

VALIDATE

Testing and validating the self-driving car prototype in Carla simulation to ensure accurate performance and safety in various driving scenarios.

FEEDBACK & PRODUCT IMPLEMENTATION

Incorporating user feedback to refine the self-driving car model and implementing it effectively in real-world applications for seamless autonomous driving experiences.



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