Ideation Phase

Brainstorm & Idea Prioritization Template

Date	30TH October 2023
Team ID	592031
Project Name	Project - AI Enable car parking using OpenCV
Maximum Marks	4 Marks

Brainstorm:

Crazy Eights

by the Design Team of Accenture Interactive NL

Sketch eight ideas in eight minutes and share.

People 2–9 | Time 30 min | Difficulty Beginner

1. How might we solve - Other lot owners have increased the price for parking the cars.
2. How might we solve - Lack of trust in AI due to low accuracy.
3. How might we solve - Cars are not properly alleged in the parking lots.
4. complete

Sketch **8 min** | Share **2 mins per person**

Shaik Mansoor Vali			
By collaborating with the owners and giving some amount of money from the revenue generated from us.	By making all the available parking areas visible to the customer who wants to park their vehicles.	By increasing the accuracy and security of AI so that everyone can trust.	By adding an alignment algorithm in the code to navigate the perfect lining to park without getting crashed by other cars
By researching the ongoing projects and making a robust technology that makes the customer believe in AI.	By having some awareness, pushing our product to the masses and advertising our product.	By creating an application which navigates the user activities in parking and giving rewards for successful parking.	By dividing the vehicles by their size and model and providing a perfect parking to pare their vehicle.

Mani Chandan			
Negotiate with Lot Owners: Reach out to the other lot owners and attempt to negotiate them.	Form a Parking Association: Consider forming a parking association with the other car owners in your lot. A collective approach can give you more negotiating power when dealing with the lot owners.	Document Everything: Keep records of all communications and actions related to the price increase.	Enhance Training Data: AI systems heavily rely on the quality and quantity of training data.

Pavan Kumar			
Open communication with the lot owners may be helpful in decreasing the prices. One more option is car-pooling, which might reduce the parking cost as well as diesel cost.	***If the prices are high and no reasonable alternative exist, then find cheaper parking elsewhere.***	***Improve accuracy by investing in better data collection and preprocessing to have high training data.***	***Implement security and privacy measures to protect sensitive information, ensuring that users' data is handled responsibly.***
Clear Parking Lot Design: Design parking lots with clear and well-marked parking spaces. Use painted lines, numbers, and other markers to designate individual parking spots.	***In cases where parking lot space is limited, consider implementing valet services to maximize the efficient use of the available parking spots.***	***For those who repeatedly fail to park correctly, impose escalating penalties, which may include towing the vehicle.***	***Regularly monitor and evaluate the performance of AI systems, and be transparent about their accuracy and limitations.***

Thakur Akshath Singh			
Market Research: Conduct market research to understand pricing trends, customer expectations, and competitors' offerings, enabling parking operators to make informed pricing decisions	Flexible Pricing Models: Offer parking operators the flexibility to choose from various pricing models, such as hourly, daily, or monthly rates, depending on their specific needs and competition in their area.	Negotiation and Partnerships: Engage in negotiations with other lot owners to explore partnerships, consortiums, or cooperative pricing strategies that benefit all stakeholders	Collaborate with third-party organizations
Advanced Object Detection Models: Invest in more accurate and robust object detection models, like the latest versions of YOLO or improved custom models, to increase the accuracy of vehicle and object recognition.	License Plate Recognition: Utilize license plate recognition to verify the vehicle's position within a parking space, providing an additional layer of confirmation.	Object detection: Incorporate obstacle detection to ensure that parked cars do not encroach upon neighboring parking spaces.	Parking Space Design: Work with parking facility operators to optimize parking space design, including the size and layout of parking spots to facilitate proper alignment.

Idea Prioritization: