

# IDEATION PHASE

## BRAINSTORM & IDEA PRIORITIZATION


Date	04/11/2023
Team ID	Team-592404
Project Name	AI Enabled CAR Parking Using OPENCV
Maximum Marks	4 Marks

### AI ENABLED CAR PARKING USING OPEN CV:

AI-enabled car parking systems, harnessing the power of OpenCV, are a game-changer in modern urban mobility. By employing computer vision and machine learning, these systems detect, monitor, and optimize parking spaces. OpenCV facilitates real-time object recognition, space occupancy tracking, and license plate recognition. This not only simplifies the parking process for drivers but also enhances security and revenue for operators. With the ability to guide drivers to available spots and automate payment, these systems reduce congestion, save time, and minimize environmental impact. However, they come with initial implementation costs and privacy considerations. Nevertheless, AI-enabled car parking using OpenCV represents a smart, data-driven solution for efficient and convenient parking management in our increasingly crowded cities.

### BRAINSTORM & IDEA PRIORITIZATION:

#### Step 1: Team Gathering, Collaboration and Select the Problem Statement



### Brainstorm & idea prioritization

⌚ 20 minutes to prepare  
🕒 1 hour to collaborate  
👥 4 people

➔

#### Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

⌚ 10 minutes

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- ➦ **Team gathering**  
Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.
- ➦ **Set the goal**  
Think about the problem you'll be focusing on solving in the brainstorming session.
- ➦ **Learn how to use the facilitation tools**  
Use the Facilitation Superpowers to run a happy and productive session.

[Open article](#) ➔

1

#### Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

⌚ 5 minutes

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**Problem :-**

In busy urban areas, drivers often face the common problem of struggling to find available parking spaces, leading to frustration, anxiety, and potential delays in their schedules. The situation becomes especially challenging during peak hours, such as when visiting a shopping mall. As drivers approach crowded parking lots, the lack of available spots and the sight of other cars circling in search of parking spaces add to their stress.

## Step 2: Brainstorm, Idea Listing and Grouping

2

### Brainstorm

Write down any ideas that come to mind that address your problem statement.

10 minutes



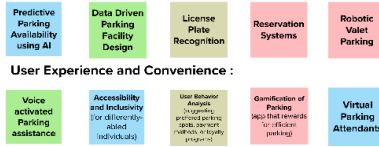
3

### Group ideas

Take time to share your ideas with customers similar or related roles as you go. Once all sticky notes have been posted, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

20 minutes

#### Parking Space Management and Optimization :



#### Integration and Collaborations :



#### Innovation and Advanced Features :



#### Analytics, Planning and Sustainability :



## Step 3: Idea Prioritization

4

### Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

20 minutes



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### After you collaborate

You can export the mural as an image or pdf to share with members of your company who might find it helpful.

#### Quick add-ons

- Share the mural**  
Share a view link to the mural with stakeholders to keep them in the loop about the outcomes of the session.
- Export the mural**  
Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in your drive.

#### Keep moving forward

- Strategy blueprint**  
Define the components of a new idea or strategy.  
[Open the template →](#)
- Customer experience journey map**  
Understand customer needs, motivations, and obstacles for an experience.  
[Open the template →](#)
- Strengths, weaknesses, opportunities & threats**  
Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.  
[Open the template →](#)

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