

Ideation Phase


Brainstorm & Idea Prioritization

Date	07/MAY/2023
Team ID	IBM--18527-1682584903
Project Name	AI Enabled Car Parking Using OpenCv
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization :

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

Template



Brainstorm & idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

⌚ 10 minutes to prepare
🕒 1 hour to collaborate
👤 2-8 people recommended

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➔

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

A Team gathering
Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.

B Set the goal
Think about the problem you'll be focusing on solving in the brainstorming session.

C 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

PROBLEM

What are the main problems and challenges associated with implementing AI-enabled car parking using OpenCV? How can we prioritize potential solutions?"

Key rules of brainstorming
To run a smooth and productive session

Stay in topic.

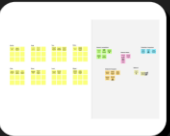
Encourage wild ideas.

Defer judgment.

Listen to others.

Go for volume.

If possible, be visual.



Need some inspiration?
See a finished version of this template to kickstart your work.

[Open example](#) ➔

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

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

10 minutes

TIP
You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!

AJAYKUMAR A (Team leader)

"Dynamic Pricing System"
Implement a pricing system that charges more for parking in popular areas and less for parking in less popular areas to encourage even distribution of parking demand.

"Real-time Parking Availability Monitoring"
Discussion: Implement a system that uses OpenCV to monitor real-time parking availability and display available parking spots to users in a mobile app or on a digital display.

VIGNESHKUMAR S

I think this is a great idea because it will motivate people to park in less popular areas and reduce congestion.

I think this is a great idea because it will give users real-time information about parking availability.

SURYAPRAKASH M

Yes, and we can also consider giving discounts to frequent users of the parking system.

Yes, and we can also consider using color-coded indicators to show the availability of different types of parking spots.

G. Naveen Kumar

We can use data analysis to identify parking hotspots and adjust prices accordingly.

We will need to make sure that the reservation system is accurate and reliable, so users can trust the system.

We can use machine learning algorithms to improve the accuracy of the parking availability data.

L.B. Sabareeswaran

This could also help us optimize the use of the parking lot and maximize revenue.

We can use machine learning algorithms to predict parking demand and allocate parking spots accordingly.

We will need to make sure that the system is user-friendly and easy to navigate, so users can quickly find available parking spots.



3

Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, 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

TIP

Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.

Implement a smart parking system that integrates with existing transportation networks, such as public transit or ride-sharing services, to provide a seamless and integrated parking and transportation experience for users. This can help reduce traffic congestion and make it easier for people to get around.

Develop a mobile app that uses openCV to identify available parking spots in real-time and reserve them for drivers. The app can also provide turn-by-turn navigation to guide drivers to the reserved spot.

Create a system that uses AI and machine learning to predict parking demand in a given area and optimize the allocation of parking resources. This can help reduce congestion and make better use of available parking spaces.



Step-3: Idea Prioritization

4

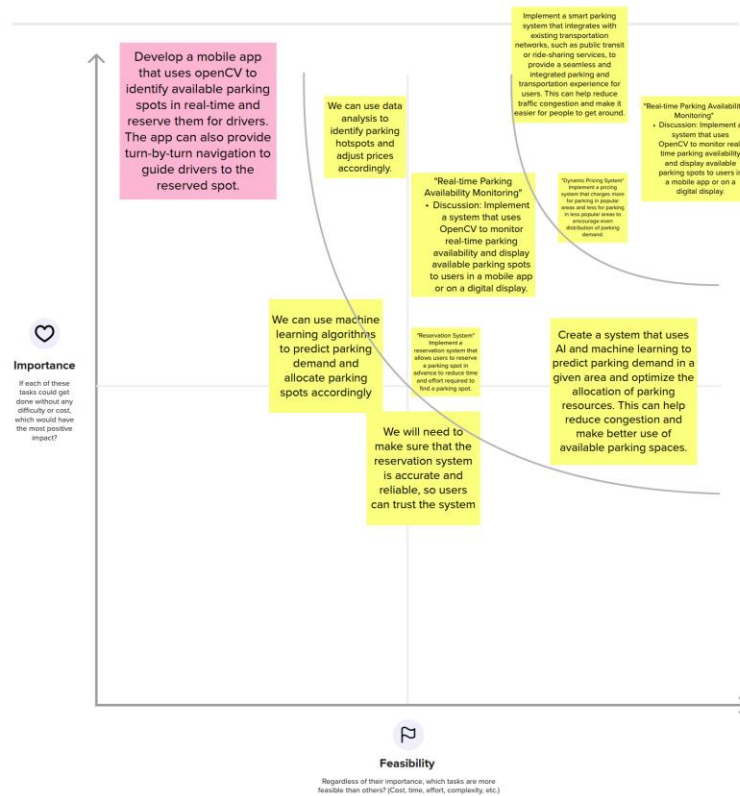
Prioritize

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

TIP

Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the **H** key on the keyboard.



5

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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Written and submit by.

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