

## Ideation Phase

### Brainstorm & Idea Prioritization Template

Date	29 April 2023
Team ID	Au513220106312
Project Name	AI enabled car parking using open CV
Maximum Marks	4 Marks

#### Brainstorm & Idea Prioritization Template:


Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.

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.

Reference:

<https://app.mural.co/invitation/mural/engineer3569/1683010825213?sender=u55c3adba049cc116d14f8614&key=f9837dc6-681a-43f3-bdde-30c2023247d0>

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



### 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  
2-4 people recommended

#### 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

1. Team gathering  
Define who should participate in the session and what to bring. Share relevant information or pre-made ideas.
2. Set the goal  
Think about the problem you'll be focusing on solving in the brainstorming session.
3. Learn how to use the facilitation tools  
Join the Facilitation Toolsroom to get a helpful 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

How to overcome car parking delay in public areas?

#### Key rules of brainstorming

To run an smooth and productive session

- Stop to think
- Defier judgment
- Go for volume
- Encourage wild ideas
- Listen to others
- If possible, be visual

## Step-2: Brainstorm, Idea Listing and Grouping

### 2 Brainstorm

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

15 minutes

**Tip:** You can brainstorm a topic before and after the problem-solving session to get a wider range of ideas.

### 3 Group Ideas

Take turns sharing your ideas while clustering similar or related ones as you go. Once all sticky notes have been grouped, give each cluster a sentence for the idea. If a cluster is bigger than six sticky notes, try and see if you need break it up into smaller sub-groups.

15 minutes

**Tip:** Assign one person to be the cluster manager. They will be responsible for finding related ideas, organizing them, and integrating important ideas as clusters with other people.

#### Category 1

- Using Python to track parking slot
- Using surveillance camera for finding parking slot
- Using 3D/4/7 surveillance
- Avoiding traffic while parking

#### Category 2

- Using Python to track parking slot
- Using surveillance camera for finding parking slot
- Using 3D/4/7 surveillance
- Avoiding traffic while parking

#### Category 3

- Using Python to track parking slot
- Using surveillance camera for finding parking slot
- Using 3D/4/7 surveillance
- Avoiding traffic while parking

#### Category 4

- Using Python to track parking slot
- Using surveillance camera for finding parking slot
- Using 3D/4/7 surveillance
- Avoiding traffic while parking

## 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 own ideas to guide all ideas. Sticky notes should go on the grid. The facilitator can confirm the need for using the team's ideas, making the 10 best on the list.