Ideation Phase
Brainstorm & Idea Prioritization Template

Date	12 November 2023
Team ID	Team-591796
Project Name	AI Enable car parking using OpenCV
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization Template:

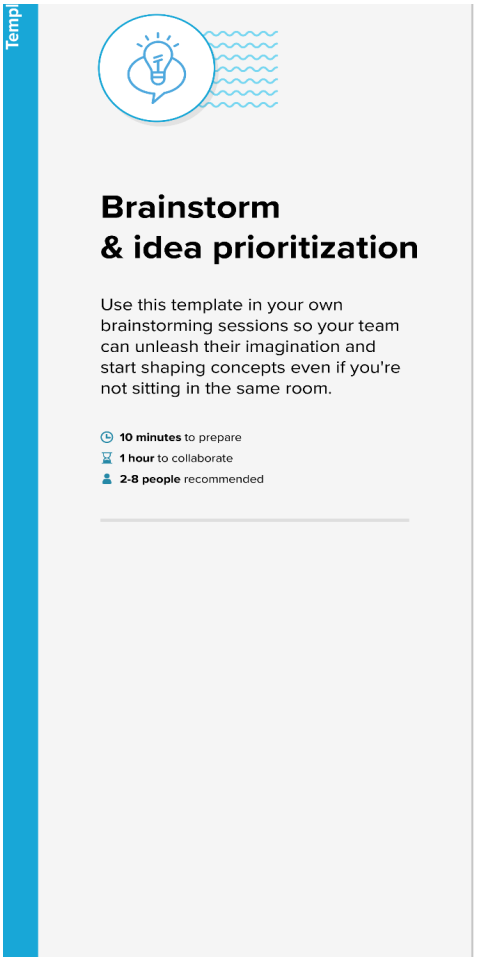
Brainstorming fosters a collaborative and inclusive atmosphere where all team members are invited to contribute their out-of-the-box ideas, prioritizing quantity over quality, and building upon each other's suggestions to generate a wealth of creative solutions.

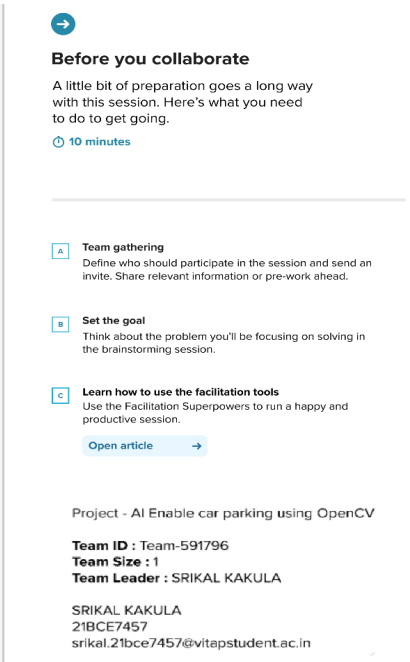
My Brainstorm & Idea Prioritization Access

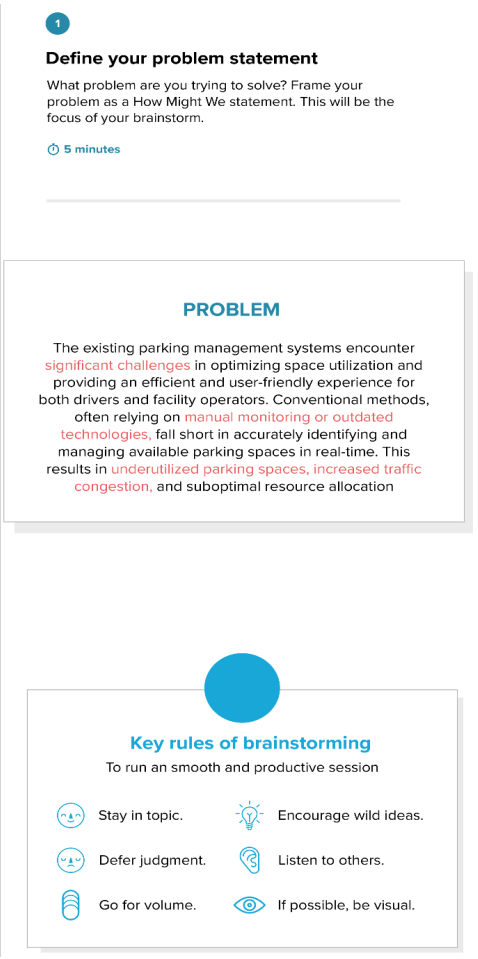
Link:https://app.mural.co/t/srikal4191/m/srikal4191/1699949428681/109e18b669a864765056f02e3b6ae60cc84a273b?sender=u7813f16c4d3adcdd871f0765

Reference: https://www.mural.co/templates/empathy-map-canvas

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







Step-2: Brainstorm, Idea Listing and Grouping

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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!

SRIKAL KAKULA	Person 1	Person 2	Person 3
Integrate license plate recognition for personalized parking access. Develop a data analytics dashboard for facility optimization.	Integrate biometric authentication for enhanced parking security and access control.	By studing traffic behaviour to predict future events	a mini device which move around the parking arear to find the free spots with integration with open cv
Mobile application to find a free spot near by using gps	Implement a feedback loop through the app for reporting inaccuracies in parking availability	Integrate IoT sensors for real-time occupancy and environmental monitoring	Access the nearest free parking area using gps and OpenCV video footage to give map to the free spot
automated alerts and notifications to alert facility operators to potential issues, such as illegally parked vehicles or maintenance needs, and ensure prompt resolution	AI parking markering the vechicle entry/exit flow	reservation system for pre-booking parking spaces, reducing congestion.	Combine a mobile app with the OpenCV system to provide users with real-time information on available parking spaces and make parking easier
A parking allocation app that assigns parking spaces based on visitors' preferred time slots and utilizes an advanced algorithm to efficiently manage the parking spaces based on the duration of parking.	Install a camera-based system at parking lot entrances and exits to monitor parking space occupancy in real-time using OpenCV	Enhance space occupancy detection with smart parking sensors and OpenCV	keeping a smart video analysis of footage to dtect cars
Use machine learning algorithms to forecast peak parking hours and adjust pricing dynamically to encourage off-peak usage, optimizing parking space utilization.			Drones with cameras, AI, and ML algorithms like YOLO are used to find the best parking spot near the car in real-time.

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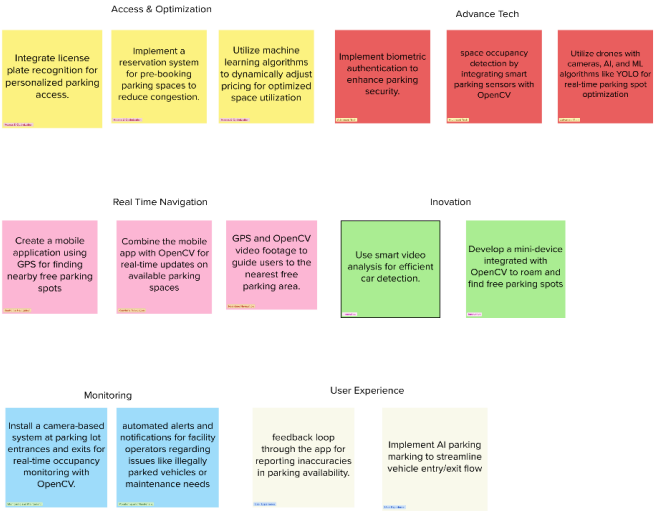
Group ideas

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 and 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.



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.