

## Ideation Phase


### Brainstorm & Idea Prioritization Template

Date	22 october 2023
Team ID	NM2023TMID00881
Project Name	ANALYTICS TOOL FOR PLACEMENT
Maximum Marks	4 Marks

#### Brainstorm & Idea Prioritization Template:

#### 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

**Team gathering**

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


**Get 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](#)




### 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**

It can guide drivers to vacant spots, reducing the time taken to park and improving the overall parking experience.



### Key rules of brainstorming

To run an smooth and productive session

- Stay in topic.
- Defer judgment.
- Go for volume.
- Encourage wild ideas.
- Listen to others.
- If possible, be visual.

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 icon to start drawing!

THOWHEETHA FERTHOUSE.A

Object Detection: Use OpenCV's object detection algorithms to identify cars in the parking lot and determine which parking spots are currently occupied or vacant.

Image Processing: Use OpenCV's image processing capabilities to enhance the image quality and reduce the noise in the parking lot images captured by the camera, improving the accuracy of the parking spot detection.

ANBARASAN.G

Machine Learning: Develop machine learning algorithms using OpenCV and other frameworks to train the system to recognize parking spots and differentiate between occupied and vacant spots.

Automated Parking Guidance: Use the information gathered by the AI-enabled parking system to guide drivers to the nearest available parking spot through an app or a digital display, reducing the time taken to park and improving the overall parking experience.

AMARNATH.V.S

Real-time Monitoring: Monitor the occupancy status of parking spots in real-time and send alerts to the parking lot management team when a spot remains occupied for an extended period, indicating a potential issue.

Integration with Payment System: Integrate the parking system with a payment system to enable drivers to pay for parking using a mobile app or a payment kiosk, reducing the need for physical payment and making the parking process more convenient.

PRATHAP.R.J

Efficient Resource Management: Use the data gathered by the parking system to optimize resource management, such as adjusting the lighting and ventilation systems based on the occupancy status of the parking lot.

Multi-level Parking Lot Support: Extend the parking system to support multi-level parking lots by leveraging OpenCV's 3D image processing capabilities to recognize parking spots on different levels and guide drivers to the nearest available spot on any level.

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 custom labels to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mind.

Placement Prediction Algorithm

Placement Dashboard

Skill Gap Analysis

Resume Analyzer

Interview Performance Analyzer

Ethical Hiring Analyzer

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 **Alt** key on the keyboard.

