


## Ideation Phase

### Brainstorm & Idea Prioritization

Date	19 September 2022
Team ID	PNT2022TMID51935
Project Name	Smart Waste Management for Metropolitan Cities-IOT
Maximum Marks	4 Marks

### 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
- 👤 2-8 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

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- 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.

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**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

How might we [your problem statement]?

Key rules of brainstorming

To run a smooth and productive session

😊 Stay in topic.

⏸️ Defer judgment.

🗣️ Go for volume.

💡 Encourage wild ideas.

👂 Listen to others.

👁️ If possible, be visual.

### STEP-1: Problem statement

Problem Statement (PS)	I'm (User)	I'm trying to	But	Because	Which makes me feel
PS - 1	Colony resident member	Put the waste into the waste bin	bin is already in the state of overflow	bin is not cleared by the corporation cleaners	So disgusting to see the spoiled area that stays as a major reason for many air-borne diseases.
PS - 2	Street Walkers	Throw the waste into the bin	There is no waste bin at all	Bin is not provided for the area	The main reason to make the surrounding unclean and unhygienic.

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

ASHRITHA	GOHUL	AKASH	ASHIK
AUTO CLOSING OF BINS WHEN NOT IN USE	SEPERATE BINS FOR RECYCLABLE AND NON-RECYCLABLE TRASH	IMMEDIATE INTIMATION OF BIN CLEARANCE	ROUTINE CLEARANCE OF BIN
INTIMATION OF MESSAGE ON REACHING PRIMARY LIMIT	CONTINUOUS SIGNAL TRANSMISSION OF TRUCK PATH	FREQUENT CHECKING OF BIN STATUS	SENDING OF HIGH ALERT ON REACHING FINAL LIMIT
ROUTINE UPDATE OF TRASH LEVEL	SIGNAL TRANSMISSION OF BIN LEVEL	TRASH BIN LOCATION TRACKING	PROPER TRANSMISSION OF SENSOR DATA

## Step-3: Idea Prioritization

