

Ideation Phase

Brainstorm & Idea Prioritization

Date	17 September 2022
Team ID	PNT2022TMID46943
Project Name	Smart Waste Management System for Metropolitan Cities
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

🗨️ Share template feedback

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.

Set 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

How might we enhance the metropolitan city of smart waste management system?

Key rules of brainstorming

To run an smooth and productive session

Stay in topic.

Encourage wild ideas.

Defer judgment.

Listen to others.

Go for volume.

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 arrow button to sketch (or to start drawing!)

J.JUSTIN RAJ

- Build a trashcan that can be used as a smart display panel.
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D.KARAN

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W.MERUN RAJ

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W.STEPHEN RAJ

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3 Group Ideas

Take turns sharing your ideas while clustering similar or related notes as you go. In the last 10 minutes, 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

Inbuilt with recycle bin ultra eye waste levels sensor and integrated with smart IoT app.

When the trashcan smells bad, the already fixed fragrance releases the gas for good smelling.

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

Paper waste/paper waste level sensor and other commonly generated waste.

Smart indicator on the front display panel.

UVC technology kills germs and bacteria inside the bin.

The trashcan has a camera to identify any movements and release the minute sound for rats, insects, etc.

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

Importance
If each of these tasks could get done without any difficulty or cost, which would have the most positive impact?

Feasibility
Regardless of their importance, which tasks are more feasible than others? (Cost, time, effort, complexity, etc.)