


# Ideation Phase

## Brainstorm & Idea Prioritization Template




Date	20 October 2022
Team ID	PNT2022TMID20108
Project Name	Smart Waste Management For Metropolitan Cities
Maximum Marks	4 Marks

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

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.

[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 might we [your problem statement]?


**Key rules of brainstorming**


To run a smooth and productive session


 Stay in topic.

 Encourage wild ideas.

 Defer judgment.

 Listen to others.

 Go for volume.

 If possible, be visual.

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 select it or to start drawing!

SATHYAPRIYA.

Placing ultrasonic sensor to detect level

The proposed system would be able to automate the solid waste

Enable GPS function to locate bins

Waste generation analysis to understand cities usage

SHEEBA

Load cell on bottom of bins

Place audio board at left side of bins

visual fill status indicators on top of bins

using gsm in bins achieve wireless communication with bins

SNEKHA

SRIRAJAM

when bins fill alert message to the authorized person

solar panels for power supply for iot devices

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 a sentence-like label to each cluster to make it easier to find, browse, organize and categorize important ideas so that they will be easy to find.

Smart garbage maintenance server

IOT alert authorized person when bins going to fill

optimized trash collection group route

Collect only degradable and non degradable wastes

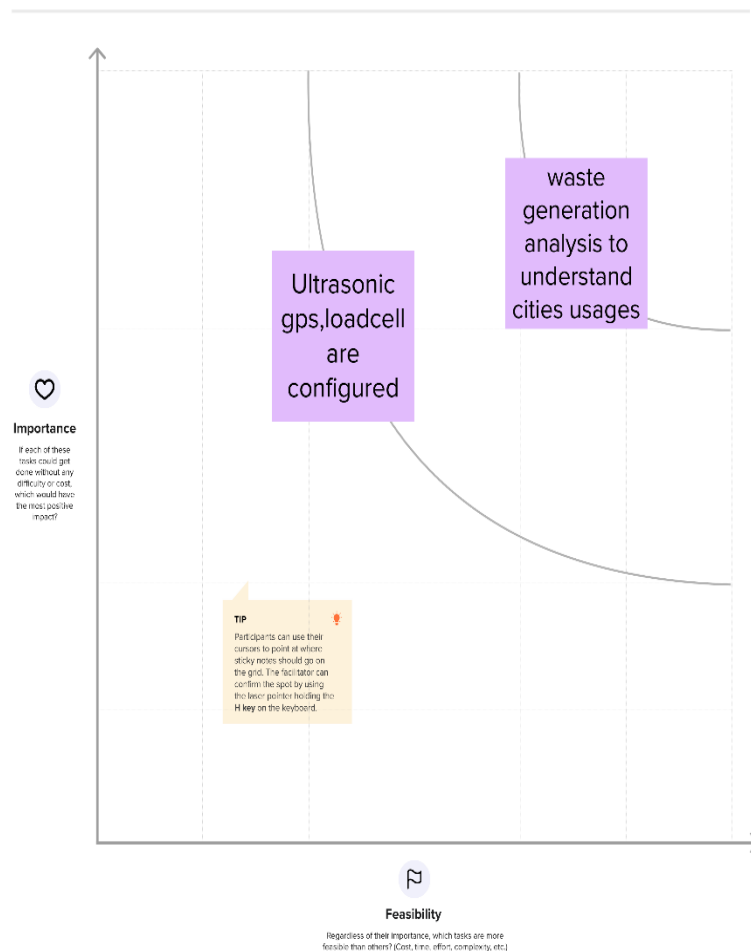
The streets can be scene clearly

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



### After you collaborate

You can export the mural as an image or pdf to share with members of your company who might find it helpful.

#### Quick add-ons

- A Share the mural**  
Share a view link to the mural with stakeholders to keep them in the loop about the outcomes of the session.
- B Export the mural**  
Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in your drive.

#### Keep moving forward

- Strategy blueprint**  
Define the components of a new idea or strategy.  
[Open the template →](#)
- Customer experience journey map**  
Understand customer needs, motivations, and obstacles for an experience.  
[Open the template →](#)
- Strengths, weaknesses, opportunities & threats**  
Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.  
[Open the template →](#)

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