

Ideation Phase


Brainstorm & Idea Prioritization

Date	01 October 2022
Team ID	PN2022TMID51107
Project Name	Smart Waste Management System For Metropolitan Cities
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization

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

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.

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 (switch to sketch) icon to start drawing

NHIDHEES LAKSHI KUMAR K.B

The use of ultrasonic sensors and inserting it at in the top

solar panels with the ability to power the garbage function

MANOJ KUMAR R

Employing an IR sensor and mounting it at the best

IoT platform to control networks for waste management solutions

SAI VISHNU L

GPS-equipped with follow the location

using data analytics to comprehend usage

MUGESH M

A strong network that controls the network and uses garbage cans to convey the data.

Weight sensor embedded with an Arduino

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 consecutive tags to sticky notes to make it easier to find, remove, organize and categorize important clusters around your ideas.

Cost savings for collecting debt

IoT solution chooses routes for using the data.

Trucks for rubbish collection, which results in pickup

Disregards empty trash cans.

Efficiency that becomes better with time

Procedures for managing trash, such as waste

To better plan, trends may be evaluated using data analytics.

Picking up and distributing resources

Disclosure of the trash situation

Sorting, recycling, and refinement

Robots' picking speed and capacity have risen thanks to the addition of computer vision cameras for item detection.

You can monitor how much waste is produced, how quickly it fills up, the sorts of materials used, its weight in real time, etc.

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

