

## Brainstorm & idea prioritization

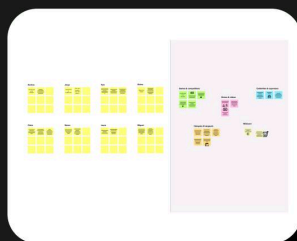
Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

🕒 **10 minutes** to prepare

🕒 **1 hour** to collaborate

👤 **2-8 people** recommended

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### Need some inspiration?

See a finished version  
of this template to  
kickstart your work.

[Open example](#) →



## 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

### PROBLEM

**Solid waste disposal is a significant problem in metropolitan areas of the majority of developing nations, and it seriously jeopardizes the residents' ability to live a healthy lifestyle. Both the local authorities and the public will benefit from having access to trustworthy information on the state of solid trash at various sites throughout the city for managing the threat.**

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!

Sanjeev N

24/7 monitoring system is designed for monitoring bins

The bin will contain a microcontroller with an embedded Wi-fi module

Sanjay K

if the bin is full then an alert message is sent

The message contains the weight of the bin and its location with the time it was recorded at

Once the message is sent, route optimization for nearby bins that have to be emptied can be done using the application

Tamil Vanan T

Use a single point load cell module to measure the weight as it can be used for small weighing systems and has stainless steel versions suitable for even organic waste

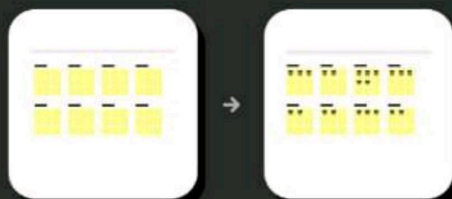
Embed a GPS module in the bin to send it's location

Ultrasonic sensor is used for measuring the level of waste in the bin

Karthik Sabari

The message is sent to the cloud where it is stored

When there is a change in the data in the cloud, it is notified to the user via the web application



## 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

This solution implements an IoT based monitoring system

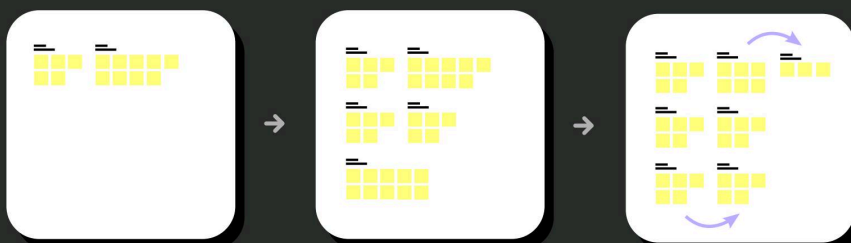
The main end users would be garbage collectors

Reduced costs due to route optimization

Bins would require 24/7 power connection (for the microcontroller) and connection to the internet.

Less manpower due to automation

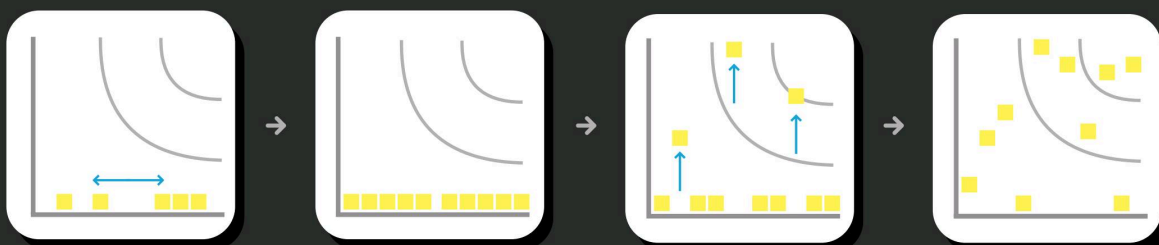
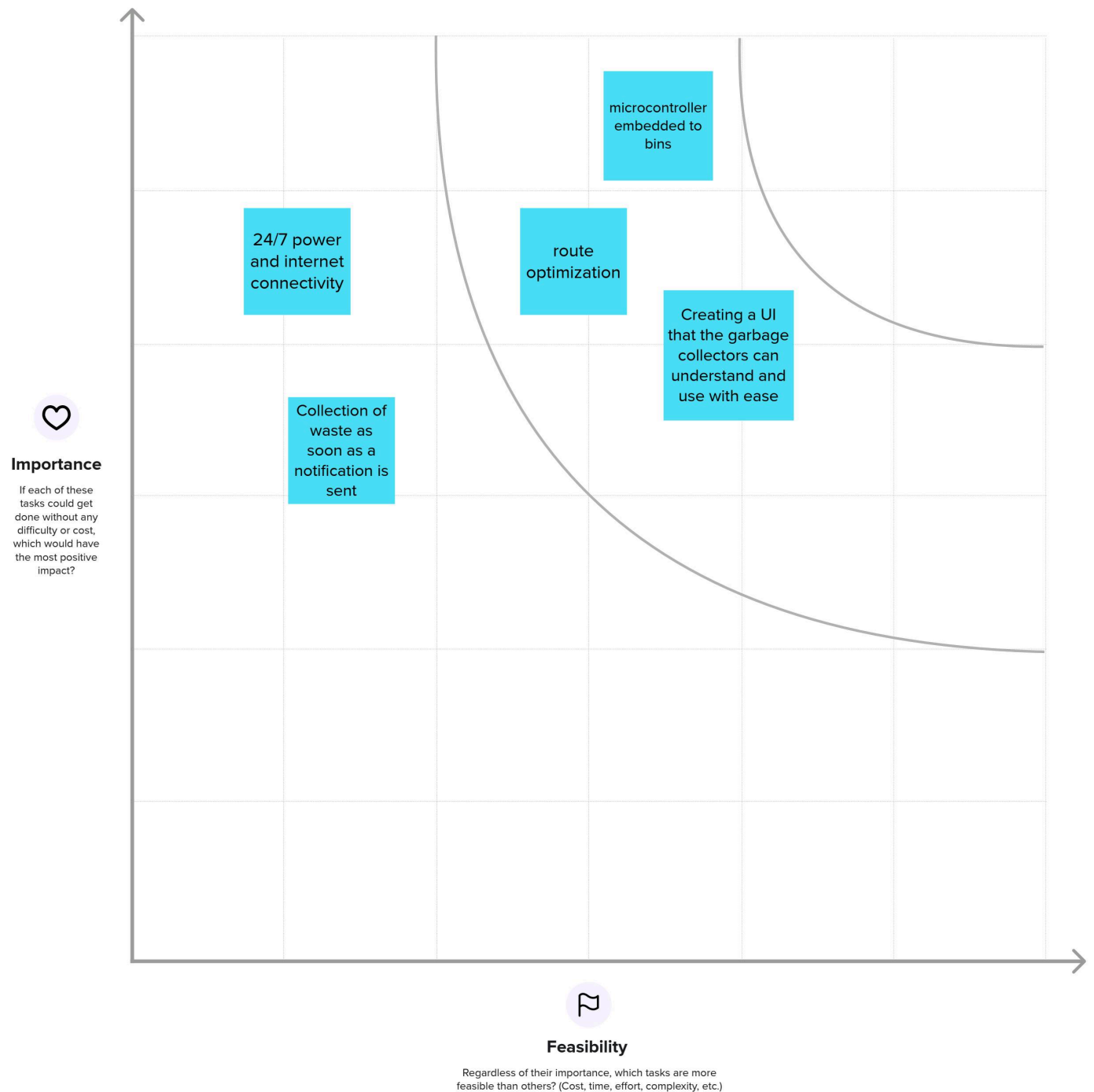
Collection of garbage is ensured when its filled beyond a limit



## 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.

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### 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.

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### 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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