## 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**

**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**

**2**

## Brainstorm

Write down any ideas that come to mind that address your problem statement.

**10 minutes**

sketch] icon to start drawing!

**3**

## Group ideas

**TIP**

You can select a sticky note and hit the pencil [switch to

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 and break it up into smaller sub-groups.

**20 minutes**

**TIP**

Add customizable tags to sticky

**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.

**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 co lla bo ra te

**2-8 people** recommended

1. **Team gathering**

Define who should participate in the session and send an

invite. Share relevant in formation or pre-work ahead.

1. **Set the goal**

Think about the problem you'll be focusin g on solvin g in

the brainstormin g sess ion.

1. **Learn how to use the facilitation tools**

Use the Facilit ation Superpowers to run a happy and

productive session.

[**Open article**](https://support.mural.co/en/articles/2113740-facilitation-superpowers)

**PROBLE M**

**How might we [your problem statement]?**

### Key rules of brainstorming

Waste generation analysis to understand cities usages

To run an smooth and productive session

# PONVIGNESHKUMAR.P VIGNESH.C

The proposed system would be able to automate the solid waste monitoring process and management of the overall collection process using IOT (Internet of Things).

Placing Ultrasonic sensor to detect level of bins

Enable GPS function to locate bins easier

Waste generation analysis to understand cities usages

# VIVEK.M GOKULAN.M

Load cell on bottom of bins

notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.

### Quick add-ons

1. **Share the mural**

**Share a view link** to the mural with stakeholders to keep them in the loop about the outcomes of the session .

1. **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

**Strat egy blueprint**

Define the components of a new idea or strategy.

[**Open the templat e**](https://app.mural.co/template/e95f612a-f72a-4772-bc48-545aaa04e0c9/984865a6-0a96-4472-a48d-47639307b3ca)

**Customer experience journey map**

Visual fill status indicators on top of bins

Place Arduion board at left side of bins

Stay in topic.

Defer judgment.

Encourage wild ideas .

Listen to others.

### Importance

If each of these

using by GSM in bins achieve wireless communication with bins and managing center

Smart garbage maintenance server

Transparency and sustainable solution than normal garbage bins

Optimized trash collection route

Understand customer needs, motivations, and obstacles for an experience.

[**Open the templat e**](https://app.mural.co/template/b7114010-3a67-4d63-a51d-6f2cedc9633f/c1b465ab-57af-4624-8faf-ebb312edc0eb)

Raspberry-pi with ultrasonic, GPS, Load cell, are configured

Go for volume. If possible, be visu al.

tasks could get done without any difficulty or cost, which would have the most positive impact?

IOT alert authorized person when bins going to fill

Collect only degradable and non- degradable wastes

heir h re

**TIP**

Participants can use cursors to po int at w sticky no tes should g the grid. The facilita

on to can

confirm the spo t by u ing

the laser po inter ho ld ng the

**H key** on the keybo ar .

**Strengt hs, weaknesses, opportunities & threats**

Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.

[**Open the templat e**](https://app.mural.co/template/6a062671-89ee-4b76-9409-2603d8b098be/ca270343-1d54-4952-9d8c-fbc303ffd0f2)

[**Share template feedback**](https://muralco.typeform.com/to/CiqaHVat?typeform-source=app.mural.co)

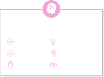
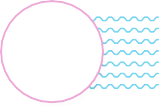
solar panels for power supply for IOT devices

when bins fill alert message to the authorized

[**Share template feedback**](https://muralco.typeform.com/to/CiqaHVat?typeform-source=app.mural.co)

### Feasibility

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



**Template**

**Need some insp iration?**

See a fin ished version of this template to kickstart your work.

[**Open example**](https://app.mural.co/template/e5a93b7b-49f2-48c9-afd7-a635d860eba6/93f1b98d-b2d2-4695-8e85-7e9c0d2fd9b9)