#### 1 2 3 4

**Brainstorm**

**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 ID: PNT2022TMID52274**

### 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**

### 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!

### 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 and break it up into smaller sub-groups.

**20 minutes**

### 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

**& 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

**A Team gathering**

Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.

**Set the goal**

**B**

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**

**PROBLEM**

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

#### Key rules of brainstorming

Waste generation analysis to understand cities usages

To run an smooth and productive session

## Reshma

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

**Anusubha**

**Snekha**

Enable GPS function to locate bins easier

Waste generation analysis to understand cities usages

**Jenisha Joy**

**TIP**

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

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

**Strategy blueprint**

Define the components of a new idea or strategy.

**Open the template**

Stay in topic. Defer judgment.

Encourage wild ideas. Listen to others.

#### Importance

Optimized trash collection route

Transparency and sustainable solution than normal garbage bins

Smart garbage maintenance server

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

If each of these tasks could get

**Customer experience journey map**

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

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

configured

**Open the template**

Go for volume. If possible, be visual.

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

**Strengths, weaknesses, opportunities & threats**

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

**Open the template**

**TIP**

Collect only degradable and non- degradable wastes

IOT alert authorized person when bins going to fill

Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the **H key** on the keyboard.

**Share template feedback**

Load cell on bottom of bins

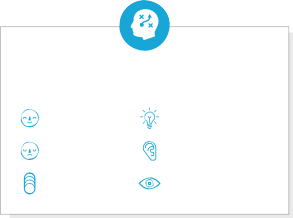
Place Arduion board at left side of bins

Visual fill status indicators on top of bins

**Share template feedback**

#### Feasibility

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



**Template**

**Need some inspiration?**

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

**Open example**