

## 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:** PNT2022TMID39680

A Team gathering

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

B Set the g

Think about the problem you'll be focusing on solving in the brainstorming session.

Learn how to use the facilitation tools
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### Brainstorm

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

10 minutes

# TAMIL SELVAN

#### The propo

sed system would be able to automate the solid wastemonitoring process and management of the overall collection process using IOT Placing Ultrasonic sensor to

detect level

of bins

Place

Arduion

board at left

side of bins

Enable GPS function to locate bins easier

**PRAVEEN** 

**SUDHAR** 

SAN

**KUMAR** 

Waste generation analysis to understand cities usages

# SURENDA

R

Load cell on bottom of bins Vis

Visual fill status indicators on top of bins using by GSM in bins achieve wireless communication with bins and managing center

when bins fill alert message to the authorized person

solar panels for power supply for IOT devices



#### 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.

(i) 20 minutes

Smart garbage maintenance server Transparency and sustainable solution than normal garbage bins

Optimized trash collection route

Collect only degradable and non-degradable wastes

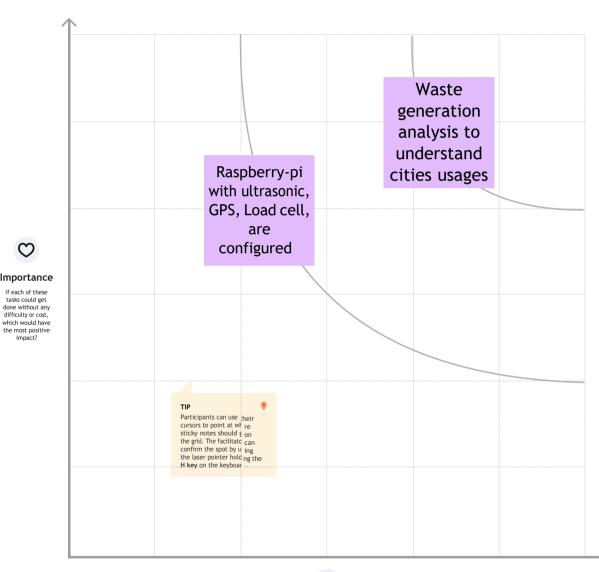
IOT alert authorized person when bins going to fill



#### **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.

0 20 minutes





#### Feasibility

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