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

TEAM ID: PNT2022TMID16061

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]?

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!

THARANITHARAN S

- 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

SUJEETH S

- Enable GPS function to locate bins easier
- Waste generation analysis to understand cities usages

SURYARAJ D R

- Load cell on bottom of bins
- Place Arduion board at left side of bins

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

SRIBALAJI T

- 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.

20 minutes

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

- 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.

20 minutes

- Raspberry-pi with ultrasonic, GPS, Load cell, are configured
- Waste generation analysis to understand cities usages

Importance
If each of these tasks could get done without any difficulty or cost, which would have the most positive impact?

TIP
Participants can use their cursors to point at what sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer hotkey (the H key on the keyboard)

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