

Ideation Phase

Brainstorm&Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID13627
Project Name	SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITIAN CITIES
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization Template:


Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.

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.

Reference:

<https://app.mural.co/invitation/mural/sportanz4700/1665131909123?sender=ua560204daf49be6e36e81217&key=94c3a576-bcf2-40d6-b56a-d1fc2a23c052>

Step-1: Team Gathering, Collaboration and Select the Problem Statement



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
8 people recommended

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: PNT2022TMID13627

- Team gathering
Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.
- Set the goal
Think about the problem you'll be focusing on solving in the brainstorming session.
- Learn how to use the facilitation tools
Use the Facilitation Superpowers to run a happy and effective session.

Open article

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

How might we [your problem statement]?

Key rules of ideation

To run an smooth and productive session

- Stay in topic.
- Encourage wild ideas.
- Defer judgment.
- Listen to others.
- Go for volume.
- If possible, be visual.

Step-2: Brainstorm, Idea Listing and Grouping

Brainstorm

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

15 minutes

TP: You can make a sticky note and pin the card (stick to board) for brainstorming.

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

TP: Add sustainable tags to sticky notes to make it easier to find, remove, organize, and categorize important ideas as changes within your team.

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

TAMIL INIAN.R

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

NAVEEN.S

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

MOHAMEDUMAR.N

- when bins fill alert message to the authorized person
- solar panels for power supply for IOT devices

- 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

Step-3: Idea Prioritization

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.

10 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

- Share the mural: Share a new link to the mural with stakeholders to keep them in the loop about the outcomes of the session.
- Export the mural: Export a copy of the mural as a PDF or PNG to attach to emails, include in a slide, or save on your drive.

Keep moving forward

Strategy blueprint: Define the components of a new idea or strategy.

Customer experience journey map: Understand customer needs, motivations, and obstacles for an experience.

Weight, velocity, opportunity: Identify strengths, weaknesses, opportunities, and risks (SWOT) to develop a plan.

Share template feedback

Importance

Feasibility

Waste generation analysis to understand cities usages

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

TP: Remember to use the grid to help you decide which ideas are most important and which are most feasible. The ideas that are most important and most feasible are the ones you should focus on.