

Ideation Phase

Brainstorm & Idea Prioritization Template

DATE

15 OCTOBER 2022


TEAM ID

PNT2022TMD42867

PROJECT NAME

SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN CITIES.

Template



Smart Waste Management System For Metropolitan Cities

Indiscriminate disposal of strong waste is a major problem in urban centers of most developing countries and it poses a serious risk to healthful living of the citizens. Access to dependable state of stable waste at exclusive places in the city will help both the local government and the residents to correctly manipulate the menace. In this paper, an smart waste tracking system is advanced the usage of Internet of Things (IoT) and cloud computing technology. The fill stage of solid waste in every of the packing containers, which are strategically located throughout the groups, is detected the use of ultrasonic sensors. A Wireless Fidelity (Wi-Fi) communication hyperlink is used to transmit the sensor facts to an IoT cloud platform known as ThingSpeak. Depending at the fill degree, the machine sends suitable notification message (in form of tweet) to alert applicable government and concerned citizen(s) for necessary actions.

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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 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 productive session.

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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

PROBLEM

IDENTIFY THE SOLUTION TO KNOW THE BEST SOLUTION FOR WASTE DISPOSAL AND TO PREVENT THEM FROM VARIOUS DISEASES.

Key rules of brainstorming

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.

2 Brainstorm

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

10 minutes

Pravin K.R

Anitha responder

Nidish P

Saran R

Soundarraj K

TIP

You can select a sticky note and hit the pencil (switch to sketch) icon to start drawing!

3 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

CATEGORY 1

- Increased recycling and recovery of materials
- Conservation of energy and natural resources
- Improved protection of human health and the environment
- Composting of waste products
- Avoid food wrapped in plastic
- Reduce greenhouse gases, save energy and create jobs

CATEGORY 2

- Separate "red bag" waste containers from solid waste collection containers.
- Waste to Energy Incineration.
- Use of dust bin in modern manner.
- Clean & Disinfect Consistently Used Surfaces.
- Monitor the improvement of impaction (lines), collect details about sewers, air quality and garbage
- Use electronic media instead of paper.

CATEGORY 3

- Improved Adaptation to Changing Work Standards
- Information are passed through app.
- Wireless Sensor Networks used.
- IoT has greater transparency, control, and performance.
- Cost-effective operation.
- IoT Analytics and data management.

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

Importance

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

Feasibility

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

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 view 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 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.
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- Customer experience journey map**
Understand customer needs, motivations, and obstacles for an experience.
[Open the template](#)
- Strengths, weaknesses, opportunities & threats**
Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.
[Open the template](#)

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See a finished version of this template in action and get ideas.

[Open example](#)

