

Ideation Phase

Brainstorm & Idea Prioritization Template


Date	15 October 2022
Team ID	PNT2022TMID30606
Project Name	Smart Waste Management System for Metropolitan 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 number of creative solutions.

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

Template



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

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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 ID:
PNT2022TMID30606

A

Team gathering

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

B

Set the goal

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.

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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

The traditional waste management system requires more money, transportation, manpower



Key rules of brainstorming

To run a 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

2

Brainstorm

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

⌚ 10 minutes

TIP
You can fold a sticky note and roll the pencil point or scratch edge to start drawing.

VALARMATHI S

Wastes cause pollution on land water and air

Proper management of waste is important to reduce pollution

People need to separate the waste

More the people more waste

SAKTHI V

The amount of wastes increase due to the high pollution

There is no need to check each and every dustbins check only message received dustbins

SATHIYA D

It prevents human health and environment from harm

It send the messages directly to the municipale system so the time is saved

It senses all types of waste materials

With the help of technology we can guide the truck to choose the dustbin

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 5 x sticky notes, try and see if you can break it up into smaller sub-groups.

⌚ 20 minutes

TIP
Add extra words like a sticky note to make a cluster to find, discuss, organize and categorize important ideas as they are added to your clusters.

Apply this technology to the city to optimize the resources,time, money

It also helps to project of 'SMART CITY' and 'DIGITAL INDIA'

Optimized trash collection route

Collect degradable and non-degradable wastes

IOT alert authorized person when bins going to fill

Step-3: Idea Prioritization

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

