Ideation Phase
Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID26658
Project Name	Smart Waste Management System For Metropolitan Cities
Maximum Marks	4 Marks

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

Share template feedback

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

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.

Open article →

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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

How might we [your problem statement]?
- Some trash bins are overfilled while others are underfilled by the trash collection time,
- overfilled trash bins create unhygienic conditions,
- unoptimized truck routes result in excessive fuel usage and environmental pollution and soil warming .
- therefore the maintance of garbages and trash bins are major role in maximum problems

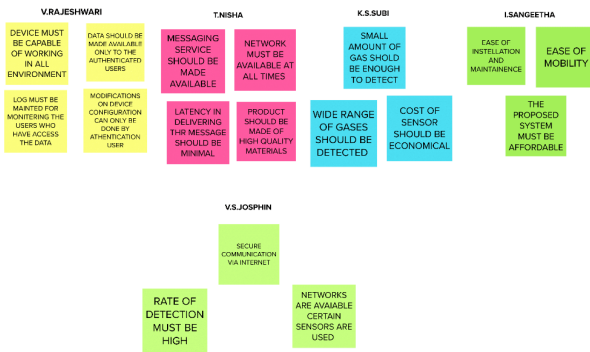### Key rules of brainstorming
To run a smooth and productive session

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

Brainstorm

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

🕐 10 minutes

V.RAJESHWARI

DEVICE MUST BE CAPABLE OF WORKING IN ALL ENVIRONMENT

DATA SHOULD BE MADE AVAILABLE ONLY TO THE AUTHENTICATED USERS

LOG MUST BE MAINTED FOR MONITERING THE USERS WHO HAVE ACCESS THE DATA

MODIFICATIONS ON DEVICE CONFIGURATION CAN ONLY BE DONE BY ATHENTICATION USER

T.NISHA

MESSAGING SERVICE SHOULD BE MADE AVAILABLE

NETWORK MUST BE AVAILABLE AT ALL TIMES

LATENCY IN DELIVERING THR MESSAGE SHOULD BE MINIMAL

PRODUCT SHOULD BE MADE OF HIGH QUALITY MATERIALS

K.S.SUBI

SMALL AMOUNT OF GAS SHOLD BE ENOUGH TO DETECT

WIDE RANGE OF GASES SHOULD BE DETECTED

COST OF SENSOR SHOULD BE ECONOMICAL

I.SANGEETHA

EASE OF INSTALLATION AND MAINTAINENCE

EASE OF MOBILITY

THE PROPOSED SYSTEM MUST BE AFFORDABLE

V.S.JOSPHIN

SECURE COMMUNICATION VIA INTERNET

RATE OF DETECTION MUST BE HIGH

NETWORKS ARE AVAIABLE CERTAIN SENSORS ARE USED

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

ENVIRONMENT.

DEVICE MUST BE CAPABLE OF WORKING IN ALL ENVIRONMENT

constant power source should be available

EASE OF MOBILITY

BACKUP POWER SHOULD BE READLY AVIA

COST

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THE PROPOSED SYSTEM MUST BE AFFORBLE

EASE OF INSTALLATION AND MAINTANCE

AUTHENTICATION

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QUALITY

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NETWORK MUST BE AVAIABLE AT ALL TIMES

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PERFORMANCE

ACCURACY OF DETECTION MUST BE HIGH

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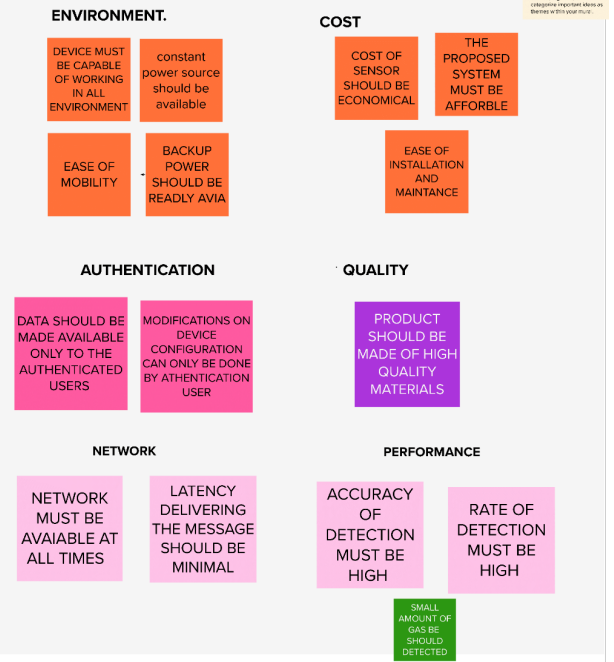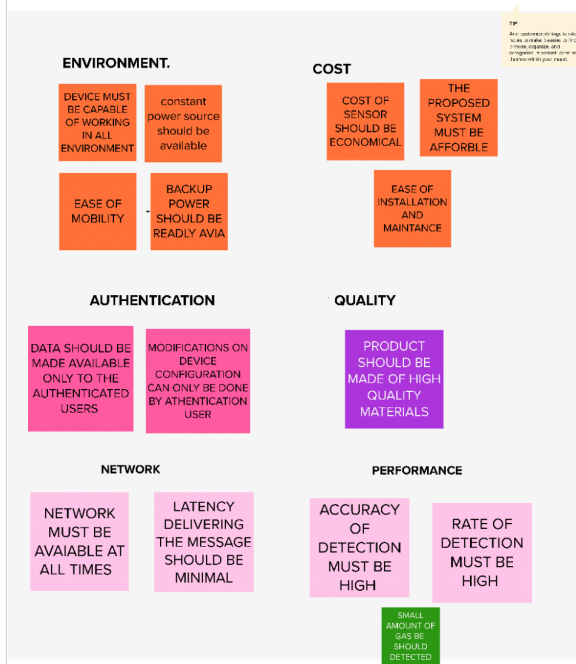
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Prioritize

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 and / of these
tasks could got
done without any
difficulty or cost,
which would have
the most positive
impact?

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Feasibility

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