

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID26651
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 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/t/naveenkuamr3575/m/naveenkuamr3575/1667389381748/63d95ce87d5e668e0e172070a745eba3e24be8e5?sender=u6d0754f8081e06ad53731002>

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

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

Show template feedback

Before you collaborate

4 Steps to get started: 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.

Open article

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 overflowing while others are underfilled by the trash collection time.
- overflowed trash bins create unsightly conditions.
- unoptimized truck routes result in excessive fuel usage and environmental pollution and soil warming.
- therefore the maintenance of garbages and trash bins are major role in maximum problems.

Key rules of brainstorming

To run an efficient and productive session

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

2 Brainstorm

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

10 minutes

NAVEENKUMAR M

- DEVICE MUST BE CAPABLE OF WORKING IN ALL ENVIRONMENT
- LOSS VOLTAGE MONITORING FOR LBS/PHASE
- THREATS TO THE DATA

YUVAN KARTHIK RAJ V

- MESSAGING SERVICE SHOULD BE MADE AVAILABLE
- EFFICIENCY IN DELIVERING THE MESSAGE SHOULD BE MINIMAL

YUVAN SHANKAR M

- SMALL AMOUNT OF GAS SHOULD BE ENOUGH TO DETECT
- WIDE RANGE OF GASES SHOULD BE DETECTED
- COST OF SENSOR SHOULD BE ECONOMICAL

VIGNESH G

- EASE OF INSTALLATION AND MAINTENANCE
- EASE OF MOBILITY
- THE PROPOSED SYSTEM MUST BE AFFORDABLE

MANIKANDAN M

- SETUP OF THE SYSTEM SHOULD BE EASY
- RATE OF DETECTION MUST BE HIGH
- NETWORKS ARE AVAILABLE CERTAIN SENSORS ARE USED

TIP: This document is collaborative. One person can't edit the whole document. You can't copy or paste it.

Need some inspiration?

View a random example of this template on MURAL. (2022-09-19)

Open example

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 can 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 READILY AVAIL

AUTHENTICATION

DATA SHOULD BE MADE AVAILABLE ONLY TO THE AUTHENTICATED USERS

MODIFICATIONS ON DEVICE CONFIGURATION CAN ONLY BE DONE BY AUTHENTICATION USER

NETWORK

NETWORK MUST BE AVAILABLE AT ALL TIMES

LATENCY DELIVERING THE MESSAGE SHOULD BE MINIMAL

COST

COST OF SENSOR SHOULD BE ECONOMIC

THE PROPOSED SYSTEM MUST BE AFFORDABLE

EASE OF INSTALLATION AND MAINTANCE

QUALITY

PRODUCT SHOULD BE MADE OF HIGH QUALITY MATERIALS

PERFORMANCE

ACCURACY OF DETECTION MUST BE HIGH

RATE OF DETECTION MUST BE HIGH

SMALL AMOUNT OF GAS BE SHOULD DETECTED

TP
Add a comment to this note to help others understand your idea better. You can also add a comment to this note to help others understand your idea better.

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

