


# IDEATION PHASE

## BRAINSTORM & IDEA PRIORITIZATION

Date	15 OCTOBER 2022
Team ID	PNT2022TMID04619
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM
Maximum Marks	4 Marks

### 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

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 ➔

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)?



### 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 select a sticky note and hit the pencil [switch to sketch] icon to start drawing!

#### MOHAMMED NAZEER H

How to Alert the users?E-mail or SMS

Designing a system which detects leakage of more no of gases

If an application is developed,will it be feasible for everyone?

Which sensor parameters can be viewed?

Is the system cost effective?

Does the system detects all kinds of gases

What is the life of that system?

Is there any replacement for the same model?

#### KAWIN P

#### LEKHAPRIYADHARSHINI P

Is making of the product eco friendly

What's the opportunity cost?

How would a child identify with this project

In what ways might this expenditure be worth the investment?

#### MOHAMMED ASFAQ M

Is this portable?

Does it requires interne connectivity all the time?

Can it respond immediately

Can it send notifications?

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

#### GASES

How to detect more gases through a single system?

If detects only one gas, it would be feasible only for household.

What level of gas leakage would be hazardous?

TIP

tags to sticky notes to find, and print ideas as a mural.

#### ALERTING USERS

To whom does the alert message be sent?

Which is better? E-mail or SMS

Does it require Internet connection all time?

#### REAL TIME

How to make it cost effective?

Can we make it portable?

Will the product be eco-friendly?

#### FUTURE SCOPE

What is the life of that system?

Is there any replacement for the same model?

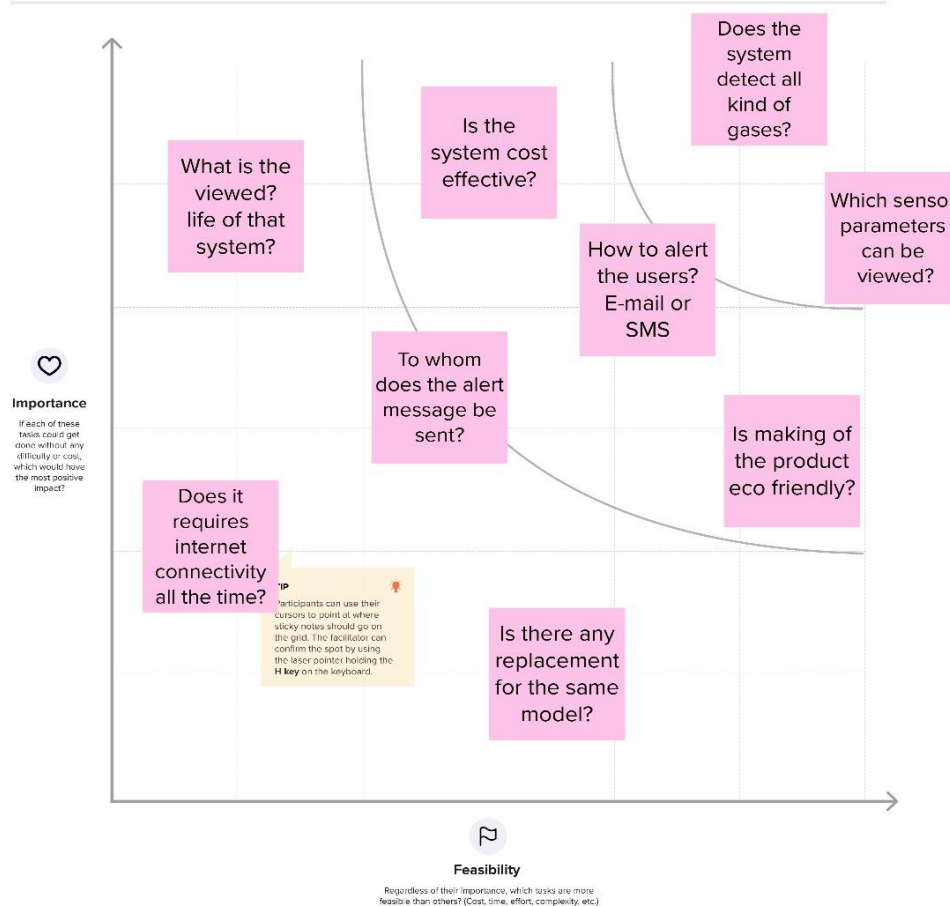
## Step-3: Idea Prioritization

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



### 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.  
[Open the template →](#)
- 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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## TEAM MEMBERS:

- MOHAMMED NAZEER H
- LEKHAPRIYADHARSHINI P
- KAWIN P
- MOHAMMED ASFAQ M