


Ideation Phase

Brainstorm & Idea Prioritization

Date	19 October 2022
Team ID	PNT2022TMID04560
Project Name	Gas leakage monitoring 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

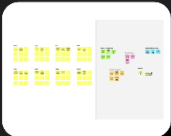
How might we [your problem statement]?

2

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.



Need some inspiration?

See a finished version of this template to kickstart your work.

[Open example](#)

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

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

🕒 10 minutes

Person 1

Alerts the person whenever there is a leakage.

Easy for the customer to use.

Prevent affecting any casualties within and outside the premises.

Person 3

Reduces the fire accident due to carelessness.

Wastage of gases can be minimized.

Exhaust fan will be turned on automatically whenever there is a leakage.

Person 2

It has a huge economic value.

By providing solution through new technology which gains customer attention.

Easy to control and detect.

Person 4

Efficiency in gas usage can be achieved.

Prevents physical and material losses.

Sends the message and alarm to the customer if there is a leakage.

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 end break it up into smaller sub-groups.

🕒 20 minutes

Easy to use.

Safety can be ensured.

Customer satisfaction can be achieved.

Applicable to all homes and hotels.

Fast alerting systems.



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

