

**Ideation Phase**  
**Brainstorm & Idea Prioritization Template**

Date	5 NOVEMBER 2022
Team ID	PNT2022TMID05953
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES
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.**

## 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

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 ➔

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

This project helps the industries in monitoring the emission of harmful gases. In several areas, the gas sensors will be integrated to monitor the gas leakage. If in any area gas leakage is detected the admins will be notified along with the location. In the web application admins can view the sensor parameter.



#### 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

20  
You can select a sticky note and move it to the board to help clarify.

Hardware/Software	Hardware	Software	Hardware/Software
Hardware/Software	Hardware	Software	Hardware/Software

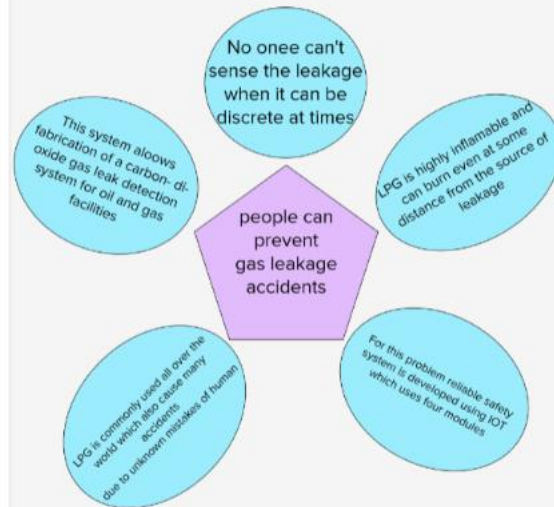
Brainstorm

1

**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



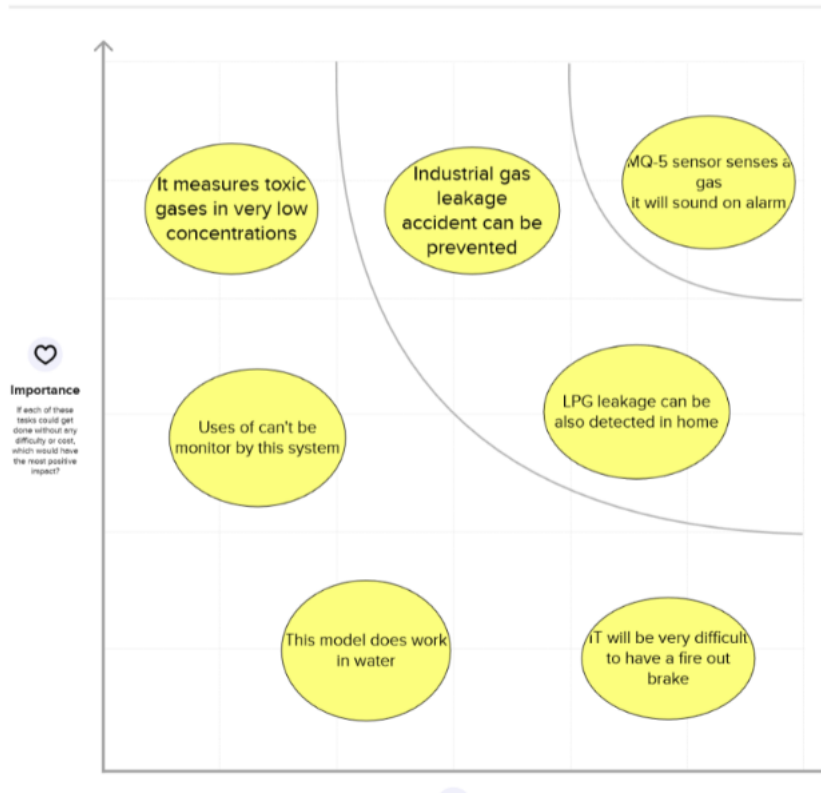
## Step-3: Idea Prioritization

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

**A Share the mural**  
Share a view link to the mural with stakeholders to keep them in the loop about the outcomes of the session.

**B 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 →

Share template feedback

Full Image:

### 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 elaborate
- 24 people recommended

c) *These are given 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

### Define your problem statement

What problem are you trying to solve? Frame your problem as a *Wicked* might-*is* statement. This will be the focus of your brainstorm.

⏱ 5 minutes



**Brain term**

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

⌚ 10 minutes

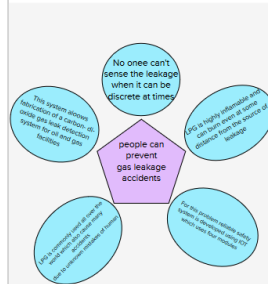
[illegible]

Author	Year	Country	Sample Size	Findings
Smith et al.	2015	USA	1,200	High levels of anxiety and depression among adolescents.
Johnson et al.	2016	UK	800	Increased risk of mental health issues due to social media use.
Lee et al.	2017	Canada	950	Significant correlation between screen time and emotional distress.
Chen et al.	2018	China	1,500	Adolescents with higher screen time show more behavioral problems.
Wong et al.	2019	Australia	1,100	Screen time negatively impacts academic performance and mental health.

### Group ideas

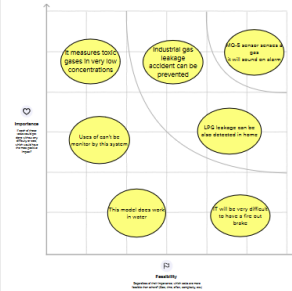
Take turns sharing your ideas while clustering similar or related notes as you go. Once a story notes have been grouped, give each cluster a sentence-line title. If a cluster is bigger than six story notes, try and see if you can break it up into one or subgroups.

 30 minutes



**Priority**

Ⓜ 30 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.

- 3 **Place the model**  
Place a copy of the model on the model cart (avoid cluttering the work area) in the bag below the shoulders of the operator.
  - 4 **Request the model**  
Request a copy of the model using a **Model** or **Model** command on either the mobile tablet, or from your display.

**Keep moving forward**

  - Emergency Workflows**  
Activate the emergency workflow on your mobile app.  
[Open the emergency workflow](#)
  - Emergency Response/Security**  
Understand customer needs, the locations, and resources for an emergency.  
[Open the emergency workflow](#)
  - Emergency conditions, emergencies & threats**  
Understand conditions, emergencies, and threats (E/C/T) as they develop on site.  
[Open the emergency workflow](#)

1) Share sample feedback