

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID15063
Project Name	Gas leakage monitoring system and alerting system for industries
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

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](#) →

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

Key rules of brainstorming

To run an smooth and productive session

Stay in topic.

Encourage a wild ideas.

Defier judgment.

Listen to others.

Go for volume.

If possible, be visual.

Step-2: Brainstorm, Idea Listing and Grouping

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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!



MANUSA K R

Voice Alert Systems	Multi-Sensor Detection	Fire Gases Detectors
Limit Risks with Remote Monitoring	Embrace Machine Learning	Prescriptive Maintenance
Epilogue	Alarm Systems	Heat Detectors

GOPIKA S

Integration of BMS	Flame Detectors	Alarm Aspiration Detection
Gas Detection and Warning System	Automatic Gas Control	Neuro-Fuzzy Interference System
Point-based solution	Laser Based Solution	Wireless Technologies

SOBIYA SELSIYA M

Smoke Detectos	Buzzers	Supervise Gas Control
Horns	Bells	Voice Drivers
Sirens	Audible Alarm System	Sound Aram

PRIYADHARSHINI S

Mass Notification System	Ionization Smoke Detector	Central Alarm System Technology
IoT Enabled Connected Detectors	Audio System	Smoke Alarm Detection
Photoelectric Smoke Detector	IoT Retrofitting	Buzzer System

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

Category 1:

Voice Alert System

Audio System

Smoke Alarm Detection

Flame Detectors

Category 2:

Gases Detectors

Heat Detectors

Automatic Gas Detectors

Smoke Detection

Category 3:

Supervise Gas Control

Audio System

Category 4:

Prescription Maintenance

Mass Notification System

TIP

Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.

Step-3: Idea Prioritization

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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

