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

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

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

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 and 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 Contrl	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**

♡
Importance
If each of these tasks could get done without any difficulty or cost, which would have the most positive impact?

Smoke Alarm Detection

Gases Detectors

Flame Detectors

Audio System

Voice Alert System

Smoke Detection

Prescription Maintenance

Heat Detectors

Automatic Gas Detectors

Mass Notification System

TIP
Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the **H key** on the keyboard.

Audio System