Ideation Phase Brainstorm & Idea Prioritization Template

| Date | 19 September 2022 |
|---------------|---|
| Team ID | PNT2022TMID14470 |
| Project Name | Gas leakage monitoring and alerting system for industries |
| Maximum Marks | 4 Marks |



Brainstorm & idea prioritization

TEAM ID : PNT2022TMID47483 PROJECT NAME: Gas leakage monitoring and alerting system for industries

() 10 minutes to prepare

■ 1 hour to collaborate

2-8 people recommended



Define your problem statement

How to overcome the gas leakage in industries by controlling and monitoring?

① 5 minutes

PROBLEM

Gas leakage monitoring and alerting system for industries?





Udaya keerthi

(71131EC127)

Instead of blind alarm, a speaker can be placed so that it indicates which gas is leaking

Sasi varunan

(71131EC102)

Incase of higher gas leakage and fire accidents, a notification can begiven to the fire station and hospital through software application

When gas gets leaked, a notification can be passed to hospital

Level of gas in the industry can be informed through speakers periodically

Sensor can be placed in the entrance for counting the workers who have been moved out in case of emergency

Surendhran

(71131EC119)

Sensor can be placed in the entrance for counting the workers who have been moved out in case of fire accidents

fan can be placed to spread air, so that the gas gets oxidized and causes less damages For internal gas leakages from the machines or turbines in the process manufacturing, we can place these sensors in the machines so that it detects and alerts the workers

Automatically doors and windows should be closed if gas leaks

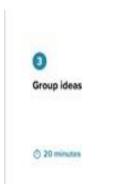
Sudharsan

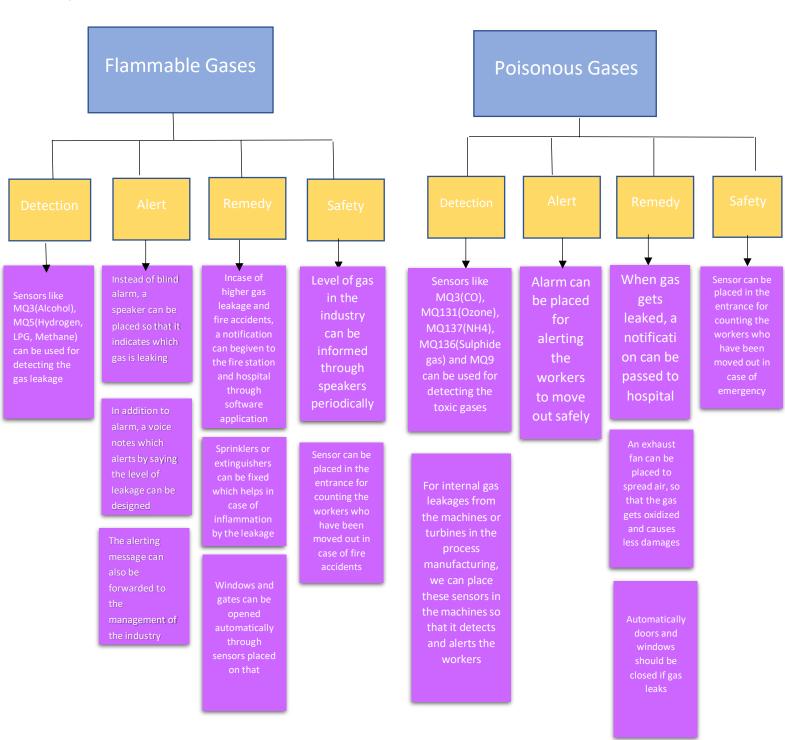
(71131EC115)

alarm, a voice notes which alerts by saying the level of leakage can be The alerting message can also be forwarded to the management of the industry.

extinguishers
can be fixed
which helps in
case of
inflammation
by the leakage

gates can be opened automatically through sensors placed on that

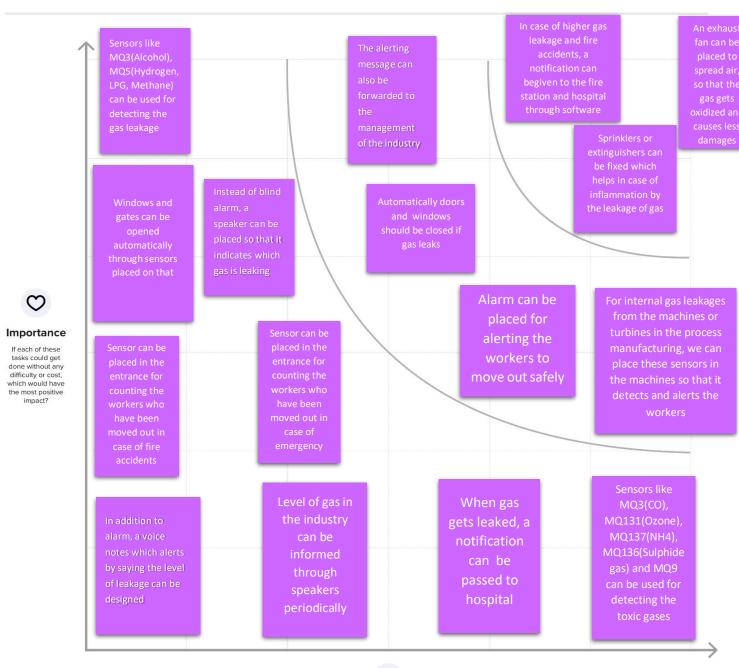






Prioritize

() 20 minutes





Feasibility

Regardless of their importance, which tasks are more feasible than others? (Cost, time, effort, complexity, etc.)