# 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



# Define your problem statement

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



PROBLEM

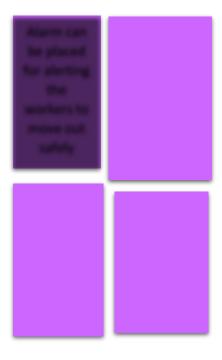
Gas leakage monitoring and alerting system for industries?





# Udaya keerthi

## (71131EC127)



#### 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

An exhaust
fan can be
placed to
spread air, so
that the gas
gets oxidized
and causes

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

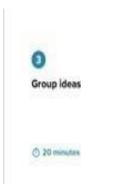
#### Sudharsan

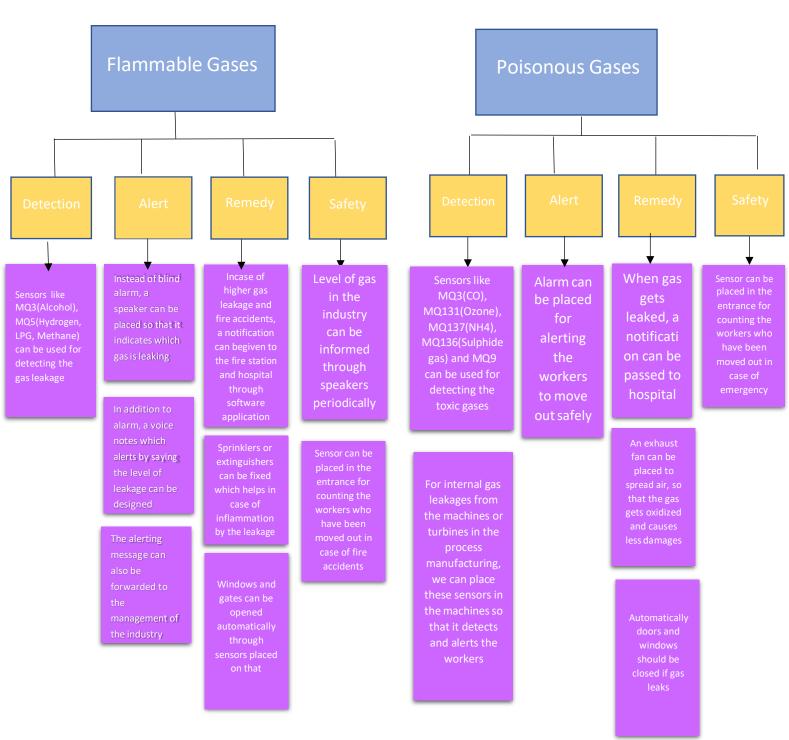
#### (71131EC115)

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

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

gates can be opened automatically through sensors placed on that

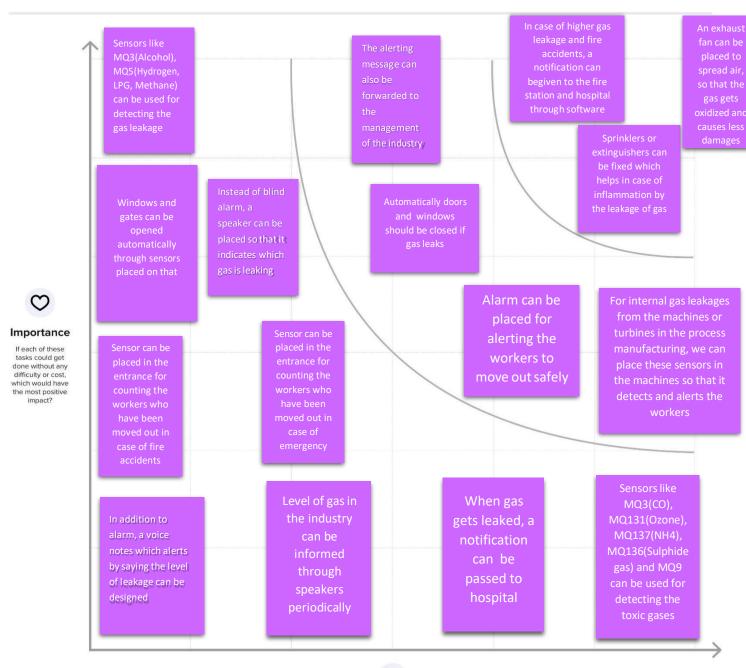






#### **Prioritize**

#### 1 20 minutes





#### **Feasibility**

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