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
- **2-4 people** recommended

Share template feedback

1 Define your problem statement

The Industries needs smart gas leakage detection and monitoring system so that the accidents due to gas leakage can be reduced to a lower scale and take certain measures to alert the workers/people.

5 minutes

PROBLEM
How can we detect gas leakage and alert the workers/industry?

Key rules of brainstorming

- Stay in topic.
- Defer judgment.
- Go for volume.
- Encourage wild ideas.
- Listen to others.
- If possible, be visual.

2 Brainstorm

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

10 minutes

Shaik Mohammed Vaseef

Detect Even Small amount of Gas Leakage	Proximity of Gas Sensor	Integration & Management of Sensors over a large area
Control the flow of gas	Alerting in case of gas leakage	Protection of Sensors
Post accident analytics	zigbee connectivity	Alert Broadcast

Pradhnesh S

SENSOR TO DETECT GAS LEAKAGE	ALARMING SYSTEM	SMART ALERTING
EVACUATING THE GAS LEAKED	CONNECTED SENSORS	5G COMMUNICATION
WIFI CONNECTED	ENOUGH VENTILATION	EARLY DETECTION

Muralikrishnan J

Safe & Secure	Portability	Connectivity
Power Management	Alarming & Alerting(SMS)	Automatic Patching of gas leakage
Compactness of Device	To whom the alert must be sent?	Service availability

Ganesh Ram Narayana

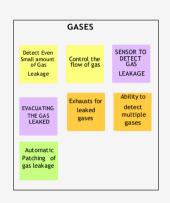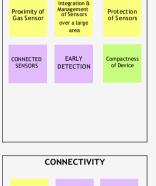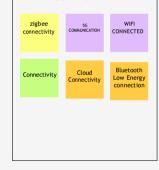|		
Exhausts for leaked gases	Testing of Application	Ability to detect multiple gases
Black box data recording	Friendly UI	Cloud Connectivity
Fire Extinguishing	Bluetooth Low Energy connection	Lifetime of product

3 Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. In the last 10 minutes, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you an break it up into smaller sub-groups.
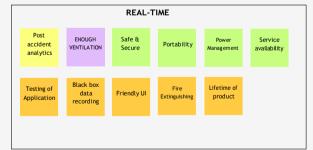
20 minutes

GASES

Detect Even Small amount of Gas Leakage	Control the flow of gas	SENSOR TO DETECT GAS LEAKAGE
EVACUATING THE GAS LEAKED	Exhausts for leaked gases	Ability to detect multiple gases
Automatic Patching of gas leakage		

SENSORS

Proximity of Gas Sensor	Integration & Management of Sensors over a large area	Protection of Sensors
CONNECTED SENSORS	EARLY DETECTION	Compactness of Device

ALERTING

Alerting in case of gas leakage	Alert Broadcast	ALARMING SYSTEM
SMART ALERTING	Alarming & Alerting(SMS)	To whom the alert must be sent?

CONNECTIVITY

zigbee connectivity	5G COMMUNICATION	WIFI CONNECTED
Connectivity	Cloud Connectivity	Bluetooth Low Energy connection

REAL-TIME

Post accident analytics	ENOUGH VENTILATION	Safe & Secure	Portability	Power Management	Service availability
Testing of Application	Black box data recording	Friendly UI	Fire Extinguishing	Lifetime of product

4 Prioritize

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?

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