Ideation Phase
Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID47529
Project Name	Gas Leakage Monitoring and Alerting System
Maximum Marks	4 Marks

Team Members	
Team Head Team Member 1 Team Member 2 Team Member 3	AJAY KUMAR K – 910419106001 SNEHA R M – 910419106301 KANNAKI M – 910419106003 SUBITSHA R – 910419106009

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

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

AJAY KUMAR K

Alarm system to connected devices

Alert gas leakage to the fre station

SNEHA R M

It automatically switch on the exhaust fan.

Introducing wireless gas detection system

KANNAKI M

Sensor present in the gas tank

Mobile app for real-time monitoring

SUBITSHA R

Sending alert message to mail

Sending alert message through SMS

NETWORK BASED

Sending alert message through SMS

Cloud based gas leakage monitoring

Using GSM for send alert system

FEATURES TO BE ADDED

web-based app for realtime monitoring

Adding new advance sensors

Control the gas leakage automatically

Step-3: Idea Prioritization

4

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?

Cloud based gas leakage monitoring

Control the gas leakage automatically

Sending alert message through SMS

It automatically switch on the exhaust fan.

Feasibility

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