

Project design phase -1
proposed solution Template

Date	24 September 2022
Team ID	PNT2022TMID14037
Project Name	Gas Leakage Monitoring and Alerting System
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.NO.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Data which is received through sensors are not stable or are more than threshold it will predict that there is leakage situation
2.	Idea / Solution description	This system uses GSM technique to send alert message to respective person if no one is there in the house and then gas leaks occurs, GSM module is there to send immediate messages to the respective person regarding the gas leak.
3.	Novelty / Uniqueness	Industry-Leading Brand gas sensor with technology innovation and lean manufacturing. Gas leakage monitoring with low power consumption & small size design. 0-100% vol CH ₄ , CH ₄ leak detector, High precision, Dual channel.
4.	Social Impact / Customer Satisfaction	Low voltage alarm & automatic shutdown. Colour LCD display. Quickly detect gas leakage point. Natural diffusion type, with extended flexible probe, PPM and % LED display same time.
5.	Business Model (Revenue Model)	Build warning systems to guarantee safety in and around gas and oil companies. Get more information about possible Solutions of warning systems.
6.	Scalability of the Solution	To make the solution for the soap test for gas leak, simply mix dish detergent with water. The soap can be put in a spray bottle or placed in a bowl for sponging on. Dish washing soap is formulated to make lots of

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		bubbles so it works better for the soap test for gas leak.
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