

Project Design Phase-I
Proposed Solution Template

Date	27 oct 2022
Team ID	PNT2022TMID12116
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	Desc ription
1.	Problem Statement (Problem to be solved)	To de tect the gas leak and send the necessary alarm signal to the user.
2.	Idea / Solution description	System can notify the user if excess amount of harmful gases are released in the environment.
3.	Novelty / Uniqueness	Alarm as a warning condition when the concentration exceeds the safe concentration.
4.	Social Impact / Customer Satisfaction	The responses are very timely. Gas sensor system performs in an extended service on attending the fault in any - Satisfied and Safe
5.	Business Model (Revenue Model)	As the performance level of sensors increases the budget of the project will also increases.
6.	Scalability of the Solution	The sensor-enabled solution helps prevent the high risk of gas explosions and affecting any casualties within and outside the premises. High gas exposure will change the calibration curve of the sensors causing false or inaccurate readings