

Project Design Phase-I
Proposed Solution Template

Date	24 September 2022
Team ID	PNT2022TMID49514
Project Name	Project –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)	I owned a gas industry and I would like to ensure the safety of workers in my industries. I'm a homemaker and I would like to avoid explosion that occurs due to gas leakage.
2.	Idea / Solution description	Automatic closing of nob Automatic opening of doors Sensor to detect gas leakage GSM module to get notification
3.	Novelty / Uniqueness	The use of DC motor helps to close the nob immediately if gas leakage is sensed. Hence we can avoid explosion in industries/house.
4.	Social Impact / Customer Satisfaction	The customers can live freely Without worrying about gas leakage and explosions that occurs due to gas leakage.
5.	Business Model (Revenue Model)	Immediate actions are taken without any delay in case of gas leakage. Our device can be easily fixed in anywhere. Low budget and easy to buy.
6.	Scalability of the Solution	Instead of DC motors if we use Stepper motor we can able to open and close the nob automatically.