

Project Design Phase 1:

Proposed Solution:

Date	10 October 2022
Team ID	PNT2022TMID20329
Project Name	Gas leakage monitoring and alerting system
Maximum Marks	4 Marks

S.No	Parameter	Description
1.	Problem Statement	This project helps industries monitor the emission of harmful gases. In several areas, the gas sensors will be integrated to monitor the gas leakage. The leakage of gases only can be detected by human nearby and if there are no human nearby, it cannot be detected by human that has a low sense of smell. Thus, this system will help to detect the presence of gas leakage
2.	Idea/Solution description	The proposed system that uses the sensor which is capable of detecting hazardous gases like LPG and propane were sensed and displayed each and every second in the LCD display. If these gases exceed the normal level then an alarm is generated immediately and also an alert message (SMS) is sent to the authorized person through the GSM.
3.	Novelty/Uniqueness	<ul style="list-style-type: none">• Ability to predict the hazardous gases like lpg and propane• User friendly• Live alert to the workers
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none">• Low cost• Compact size• Easy to use without fear
5.	Business Model(Revenue Model)	<ul style="list-style-type: none">• The product is advertised all over the platforms, because it is economical and easy to use• As the product usage can be understood by everyone it is easy for them to use it properly without fear
6.	Scalability of the Solution	Includes some safety measurements