

Project Design Phase-I
Proposed Solution

Date	29 September 2022
Team ID	PNT2022TMID04334
Project Name	Gas leakage monitoring and alerting system for industries
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	➤ To create the system and an application that are effective in detecting gas and alerting the appropriate parties.
2.	Idea / Solution description	➤ The gas sensors will be fitted at different locations to track gas leaks. ➤ This IOT devices helps in keeping track of dangerous gas emissions. ➤ If a gas leakage is sensed in any region, it will be alerted along with the location. ➤ Users can view the information on the web application.
3.	Novelty / Uniqueness	➤ Works 24/7. ➤ Accurate detecting with level of harmful gases. ➤ Immediate attention/alarm to the workers and people.
4.	Social Impact / Customer Satisfaction	➤ Fault tolerance ➤ Easy operational ➤ Avoids major accidents
5.	Business Model (Revenue Model)	➤ The item is heavily promoted across all mediums. It even protects small-scale industries against calamities because it is affordable. ➤ Everyone can understand how to use the product, therefore it's simple for them to use it correctly for their safest organisation.
6.	Scalability of the Solution	➤ Can be used for small and large industries ➤ Can be used not only in industries but also in home for LPG leakage detection and other places.