

Project Design Phase-I
Proposed Solution

Date	15 October 2022
Team ID	PNT2022TMID12343
Project Name	Project – IoT Based Gas Leakage Monitoring and Alerting System for Industries.
Maximum Marks	2 Marks

Proposed Solution :

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

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	The leakage of gases only can be detected by human nearby and if there are no human nearby, it cannot be detected. Thus, this system will help to detect the presence of gas leakage.
2.	Idea / Solution description	Monitoring leakage of gas by using Node-Red and alerting by sending messages.
3.	Novelty / Uniqueness	Gas detection for industrial purpose using single system.
4.	Social Impact / Customer Satisfaction	Reduces gas leakage incident and prevents loss of capital and casualties.
5.	Business Model (Revenue Model)	Sell sensor products, software as a service model with government & large communities.
6.	Scalability of the Solution	The process of operating this Model is easy.