

**Project Design Phase-I**  
**Proposed Solution**

Date	17 October 2022
Team ID	PNT2022TMID51954
Project Name	Project – <b>Gas Leakage monitoring &amp; Alerting system</b>
Maximum Marks	2 Marks

**Proposed Solution Template:**

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	The problem to be solved is that when there is leakage of gas , there should be some alerting system to indicate and to rectify it immediately.
2.	Idea / Solution description	Here we come with the idea of building a kit using some of sensors that will be used to sense the leakage of gas level .
3.	Novelty / Uniqueness	The uniqueness of the system is that when certain level of gas indication is reached and starts leaking the sensor detects and the response is indicated using a led lights , buzzers and a digital monitor.
4.	Social Impact / Customer Satisfaction	This creates an immediate action when the buzzer sounds and the led is turned to red. Thereby the problem is immediately intimated to the employees and high risk can be avoided.
5.	Business Model (Revenue Model)	The cost of production is less as for as the system is concerned.
6.	Scalability of the Solution	The life span of the system is good but the sensor should be appropriate and properly maintained for continuous progress. If the area to be covered is more then many number of such systems can be implemented to avoid risks.