

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

Date	19 September 2022
Team ID	PNT2022TMID21380
Project Name	Project – Gas Leakage and Monitoring System
Maximum Marks	2 Marks
Team Members	1. Mahalakshmi C - 19D047 2. Laila B G - 19D043 3. Raji Santhoshi T G - 19D070 4. Durga Devi G - 19D117

**Proposed Solution Template:**

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Gas leakage is a major problem in industries, residential premises and gas powered vehicles. If the leakage is not detected, it will lead to explosion and cause severe damages to life and environment. Even a small amount of heat can fire up the gas and explode. The leaked gas need to be ventilated and the leakage must be identified and service the fault immediately.
2.	Idea / Solution description	If the gases can be leaked in industries or home, then it will detect by using gas sensor after that it gives alert sound to the people by using buzzer. In this way we avoid the huge explosion.
3.	Novelty / Uniqueness	In our design, we use 1 gas sensor and buzzer. If any gas can be leaked, then it gives the alert sound to the people.
4.	Social Impact / Customer Satisfaction	Our product is low cost and more convenience. So any people can buy the product.
5.	Business Model (Revenue Model)	It is cost-effective.
6.	Scalability of the Solution	In our product, we use buzzer and gas sensor. So it is user-friendly and eco-friendly since it prevents the huge explosion.