

**PROJECT DESIGN PHASE – 1**  
**PROPOSED SOLUTION TEMPLATE**

TEAM ID	PNT2022TMID12766
PROJECT NAME	Gas leakage monitoring and alerting system

**PROPOSED SOLUTION TEMPLATE:**

S. No.	Parameter	Description
1	Problem statement	In order to work effectively on major crises rather than worrying about monitoring or gas leaks, employees who work in busy industries that are packed with gas-whether harmful or harmless-need a way to continuously monitor their gas pipelines and detect early signs of leakage in their surroundings. This will reduce the manpower of that industry and foster peace.
2	Idea/solution	In order to work effectively on major crises rather than worrying about monitoring or gas leaks, employees who work in busy industries that are packed with gas-whether harmful or harmless-need a way to continuously monitor their gas pipelines and detect early signs of leakage in their surroundings. This will reduce the manpower of that industry and foster peace.
3	Novelty	Although there are many existing solutions to this issue, none have been able to meet customer needs. Some solutions only detect certain gases, while others fail to notify the primary department, and still others experience delays. Our solution will alert the workers even if there is a small gas leak, notifying the industry person as well as the fire fighters so they can take control of the situation.

4	Social impact/Customer satisfaction	For the employees and the community that surrounds or is associated with the industries, our solution will be very beneficial. Our solution will stop major catastrophes like the Bhopal Gas Tragedy, saving countless lives. The goal of this project is to relieve the workers' mental strain so they can relax or focus on other tasks.
5	Business model (Revenue model)	Since industries are the primary audience for our solution, we have scheduled visits to inform them of the advantages of our products. So that they can aware of the importance of this solution and use it.
6	Stability of the solution	Because the solution we've offered will be the foundation or starting point of any upgraded version, it can be integrated for additional future use.