

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

Date	01 OCTOBER 2022
Team ID	PNT2022TMID11027
Project Name	Project – Gas Leakage Monitoring and Alerting System
Maximum Marks	2 Marks

Proposed Solution Template:

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

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Gas Leakage Monitoring and Alerting System
2.	Idea / Solution description	Wireless sensor network (WSN) prototype to track and in a complex interior environment, find gas leaks. In particular, a mobile node is travelling across a structure to track any carbon dioxide (CO ₂) leaks, supporting and showing the level and the leak's exact location.
3.	Novelty / Uniqueness	Keep track of gas by using sensor parameters and measure gas concentration which alerts in excessive leakage.
4.	Social Impact / Customer Satisfaction	Reduces severe accidents, avoid human injuries and protects from harm or danger.
5.	Business Model (Revenue Model)	Gas alerting system could be sold in the market for the purpose of monitoring and alerting gas leakage.
6.	Scalability of the Solution	The model could be scaled according to the environment about to be monitored and alerted.