

Project Design Phase-I
Proposed Solution

Date	24 September 2022
Team ID	PNT2022TMID35489
Project Name	Project - Gas Leakage Monitoring and Alerting System for Industries
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)	The aim of this project is to detect the leakage of combustible,flammable,poisonous and harmful gases and alerting users about the leakage.
2.	Idea / Solution description	The leakage of harmful gases in the industries will be detected with the help of sensors and the same would be intimated to the user via web application.
3.	Novelty / Uniqueness	Web application and SMS alert is used to notify the user about the leakage of gases which is a great advantage and uniqueness of this system.
4.	Social Impact / Customer Satisfaction	By detecting the leakage of harmful gases and alerting people,this project can prevent the industries from the huge disaster and loss and can also save the life of people residing near the industries.
5.	Business Model (Revenue Model)	This system is of much use for industries that deal with harmful gases.So such industries take lots of precautions measures and this model will be one best solution for them. This shows that the model can earn good revenue.
6.	Scalability of the Solution	We can add an automatic shutoff device which will turn off the gas supply whenever leakage is detected.Apart from its usage in industries, people living in apartments can also avail this system.