

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

Date	19 September 2022
Team ID	PNT2022TMID14029
Project Name	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)	Gas leaks are considered to be very dangerous since they can build into an explosive concentration, So the proposed solution is used for the development for an efficient system & an application that can monitor and alert the workers.
2.	Idea / Solution description	If the system detects the level of gas in the air that exceeds the safety level it will activate the alarm which includes the buzzer to alert the users at industries of the abnormal condition and to take any necessary action.
3.	Novelty / Uniqueness	The gas leakage is sensed with the help of MQ6 gas sensor. When any leakage is detected, it turns on the buzzer and also alerts the consumer through a message.
4.	Social Impact / Customer Satisfaction	These leaks cause safety threats and secondary accidents for those working in industry and the environment
5.	Business Model (Revenue Model)	The gas leakage model is used in industry or restaurants or the places where there is a chance of toxic gasses. It senses the gas and create an alert using buzzer and led lights and also sends an alert for the consumers mobile through email or SMS
6.	Scalability of the Solution	A wide range of industrial fixed gas detectors featuring flexible integration, simple installation, user-friendly operation