Team ID	PNT2022TMID26860
Project Name	**GAS LEAKAGE MONITORING AND ALERTING SYSTEM**

PROPOSED SOLUTION TEMPLATE:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Liquid Petroleum Gas (LPG) is a highly flammable chemical that consists of mixture of propane and butane. LPG is used for cooking at home, restaurant, and certain use for industry. They have certain weaknesses that make the gas leakage occur. The leakage of gases only can be detected by human nearby and if there are no human nearby, it cannot be detected. But sometimes it cannot be detected by human that has a low sense of smell. Furthermore, gas leakage can cause fire that will lead to serious injury or death and it also can destroy human properties.
2.	Idea / Solution description	- When the gas leakage is detected it will alert the user by alarm/buzzer. - It can send the sms to the user also. - We can also make the exhaust fan on while during the gas leakage. - Detection of the gas leakage is important and halting leakage is important equally.
3.	Novelty / Uniqueness	- Instant detection of gas leakage. - Send sms to the concerned user. - Easy to access and operate.
4.	Social Impact / Customer Satisfaction	- Cost efficient. - Easy to access and operate. - Easy installation and detect the gas leakage fastly. - Prevent fires and explosions.
5.	Business Model (Revenue Model)	This project is mainly for Industries so we can visit to the industries and explain them about the benefits of our

		project and make aware about the gas leakage also. • We can also use this in household as well as industries.
6.	Scalability of the Solution	• Our end to end wireless gas monitoring system uses wireless sensors to detect the presence of toxic gases . The solution can hence be scaled up for flexible functionality and offer great extendibility for multi-purpose usage. • We can also upgraded it in future like making exhaust fan on while gas is detected (or) like making automatically close the valve of gas cylinder when the gas is start to leak.