

**Ideation Phase**  
**Define the Problem Statements**

Date	24 September 2022
Team ID	PNT2022TMID13412
Project Name	Project-Gas Leakage Monitoring and Alerting System
Maximum Marks	2 Marks

**PROBLEM STATEMENT**

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Gas leakage leads to various accidents resulting into both financial loss as well as human injuries.

In human's daily life, environment gives the most significant impact to their health issues.

The risk of firing explosion, suffocation all are based on their physical properties such flammability, toxicity.

The number of deaths due to the explosion of gas cylinders has been increasing in recent years.

The reason for such explosion is due to sub standard cylinders, old valves, worn out regulators and lack of awareness using gas cylinders add to the risk.

Inspection by oil companies found that many LPG consumers are aware of safety checks of gas cylinders.

LPG is highly flammable chemical consist of mixture of propane and butane.

They have certain weakness that makes the gas leakage occur.

The leakage of gases only can be detected by human nearby and if there is no human it will not detect for this it is useful.