

# **PROBLEM STATEMENT**

**DOMAIN:** IOT

**PROJECT TITLE:** GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

**TEAM ID:** PNT2022TMID15954

**TEAM MEMBERS:** 1) BHERMAL ADARSH JAIN (TEAM LEADER)

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## **1. How does the Problem affect?**

The main consequences are the emission of flammable substances into the environment, fire, explosion, and distribution of toxic substances

Serious risks of carbon monoxide poisoning in people and animals.

## **2. What is the issue?**

Improper use of gas furnace, stove, or appliance.

Fault in the gas pipeline

## **3. What is the impact of the issue?**

Create potential hazards for the workers in the industry

Create Pollution to environment

Diseases prone

## **4. What would happen if this problem is not solved?**

Emission of toxic gases which is harmful to the environment

Leads to explosion or other types of fire hazard

Rusted and poor pipelines creates hazard.

## **5. What would happen if this problem is fixed?**

Identifying and solving the issue parameters like pollution and spreading of poisonous gas ,we can fix the problem.

## **6. Why it is important to fix the problem?**

Emission of harmful gases leads to varying of environmental weather and affects the earth layer which is protected by the UV radiation.