

## Ideation Phase

### Define the Problem Statements

Date	08.05.2023
Team ID	NM2023TMID16327
Project Name	Gas Pipeline Monitoring System For Hospitals

### Customer Problem Statement & Templates:

The pipeline distribution system is an integral part of all medical Gas Management Systems. It serves to bring all required medical gases and vacuum to areas where they are needed. Without a properly designed, installed, and maintained distribution system, the security of the whole hospital can be at risk. Mishaps involving the malfunction or misuse of medical gas supply to operating theatres have cost many lives. Oxygen is one of the most widely used gases for life-support and respiratory therapy. In this project, we have implemented a system which monitors the storage of gas using pressure sensors and leakage of gas. This system integrator focuses on providing centralized gas pipeline monitoring systems for hospitals. The service they provide makes it possible for hospitals to reduce both maintenance and labor costs. Since hospitals may not have an existing network suitable for this type of system, GPRS communication provides an easy and ready-to-use solution for remote, distributed monitoring systems system requirements.

### Problem statement 1:

I am customer	I'm trying to	But	Because
Staff	Monitor the oxygen levels in the hospital	The oxygen gas gets leaked	Of in proper maintenance of gas level

Which makes me feel

Anxiety

