

Ideation Phase

Define the Problem Statements

Date	06 May 2023
Team ID	NM2023TMID15390
Project Name	GAS PIPELINE MONITORING SYSTEM FOR HOSPITALS
Maximum Marks	2 Marks

Customer Problem Statement:

The existing gas pipeline systems in hospitals lack a comprehensive monitoring system to ensure the safe and efficient operation of the pipelines. This poses a significant risk to the well-being of patients, healthcare staff, and the overall functioning of the hospital. There is a need to develop a Gas Pipeline Monitoring System for Hospitals that can continuously monitor the gas pipelines, detect potential leaks, and provide real-time alerts to prevent hazardous situations and ensure the uninterrupted supply of medical gases. The system should also incorporate features such as remote monitoring, data logging, and analytics to enable proactive maintenance, reduce downtime, and enhance overall safety in hospital facilities.

My Reference:

https://miro.com/welcomeonboard/ZWZXRvhzV2pWVFJPMUIRYjhqemd2SnM4RUo3WmcybmVheTNCcnFOYnZ3QmwydWJ3VUt5UjEySTZweFdkYWwOZXwzNDU4NzY0NTU0NDE4MzU3MzQxZDI=?share_link_id=182960372956

Example:

The screenshot shows a Miro board titled "Customer Problem Statement Template". The board is divided into five columns with headers: "I am", "I'm trying to", "But", "Because", and "Which makes me feel".

- I am:** R. Dharshini
- I'm trying to:** I'm trying to develop a gas pipeline monitoring system specifically designed for hospitals. This system would be responsible for continuously monitoring the gas pipelines within a hospital facility to ensure their proper functioning and safety. The goal is to detect any leaks, abnormalities, or potential hazards in the gas pipelines and alert the appropriate personnel to take necessary actions promptly. By implementing this monitoring system, you aim to enhance the overall safety and security of the hospital environment, mitigate potential risks associated with gas leaks, and ensure the uninterrupted supply of essential gases required for various medical procedures and equipment.
- But:** Implementation in a live hospital environment and Financial constraints
- Because:** Developing a gas pipeline monitoring system can be costly, involving expenses for equipment, sensors, software, and infrastructure. As a student, I'm not having the necessary funding or resources to cover these costs.
- Which makes me feel:** This project may make me feel secure and confident in the safety and reliability of gas supply systems in hospitals. It emphasizes the importance of monitoring and maintaining gas pipelines to ensure the smooth functioning of critical healthcare infrastructure.