

Project Design Phase-I Solution Architecture

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Date	18 October 2022
Team ID	PNT2022TMID41212
Project Name	Project - Gas Leakage Monitoring and Alerting System
Maximum Marks	4 Marks

Solution Architecture:

Gas Leakage Monitoring & Alerting System for Industries has all the features as explained below

- This project helps the industries in monitoring the emission of harmful gases.
- In several areas, the gas sensors will be integrated to monitor the gas leakage.
- If in any area gas leakage is detected the admins will be notified along with the location.
- The admins can view the sensor parameters that is sent to them through the Wi-Fi module.
- The system also provides indication through an LCD display, buzzer and turns on the exhaust fan on detecting gas leakage.

Solution Architecture Diagram:

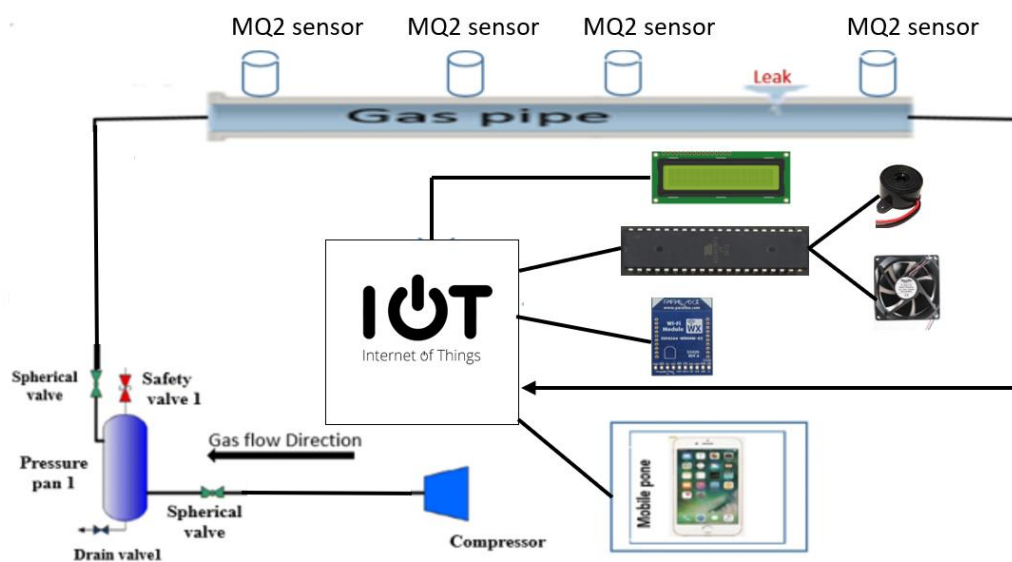


Figure 1: Architecture and data flow of the gas leakage monitoring and alerting system.