

## Project Design Phase-I Solution Architecture

### Solution Architecture:

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

- This project helps the industries and other business areas in monitoring the emission of harmful gases.
- The gas sensors will be fitted at different locations to track gas leaks..
- If a gas leak is discovered anywhere, the administrators will be alerted along with the location.
- The Wi-Fi module allows the administrators to examine the sensor parameters that are supplied to them..
- The device also sounds a buzzer, displays information on an LCD screen, and activates the exhaust fan when it detects a gas leak.

### Solution Architecture Diagram:

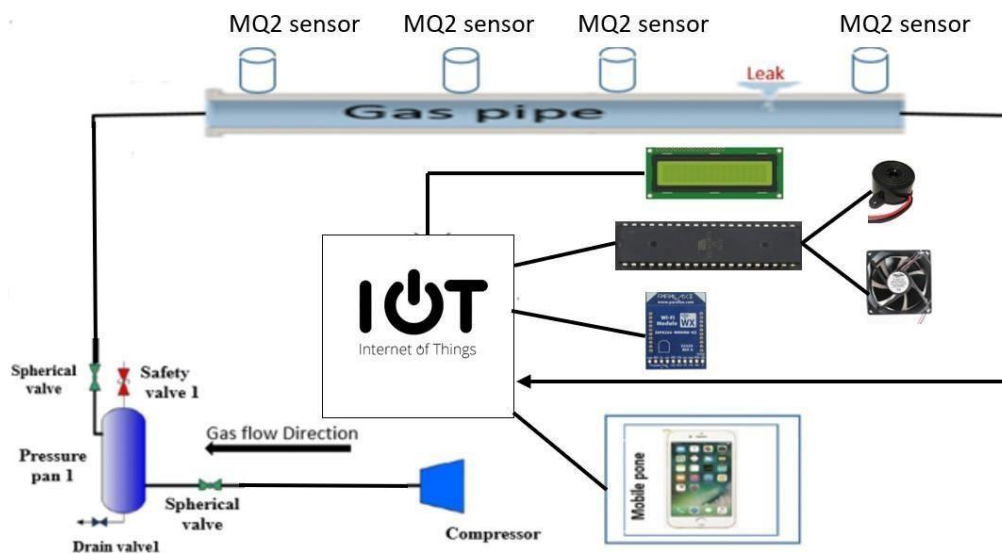


Figure 1: Architecture and data flow of the gas leakage monitoring and alerting system.