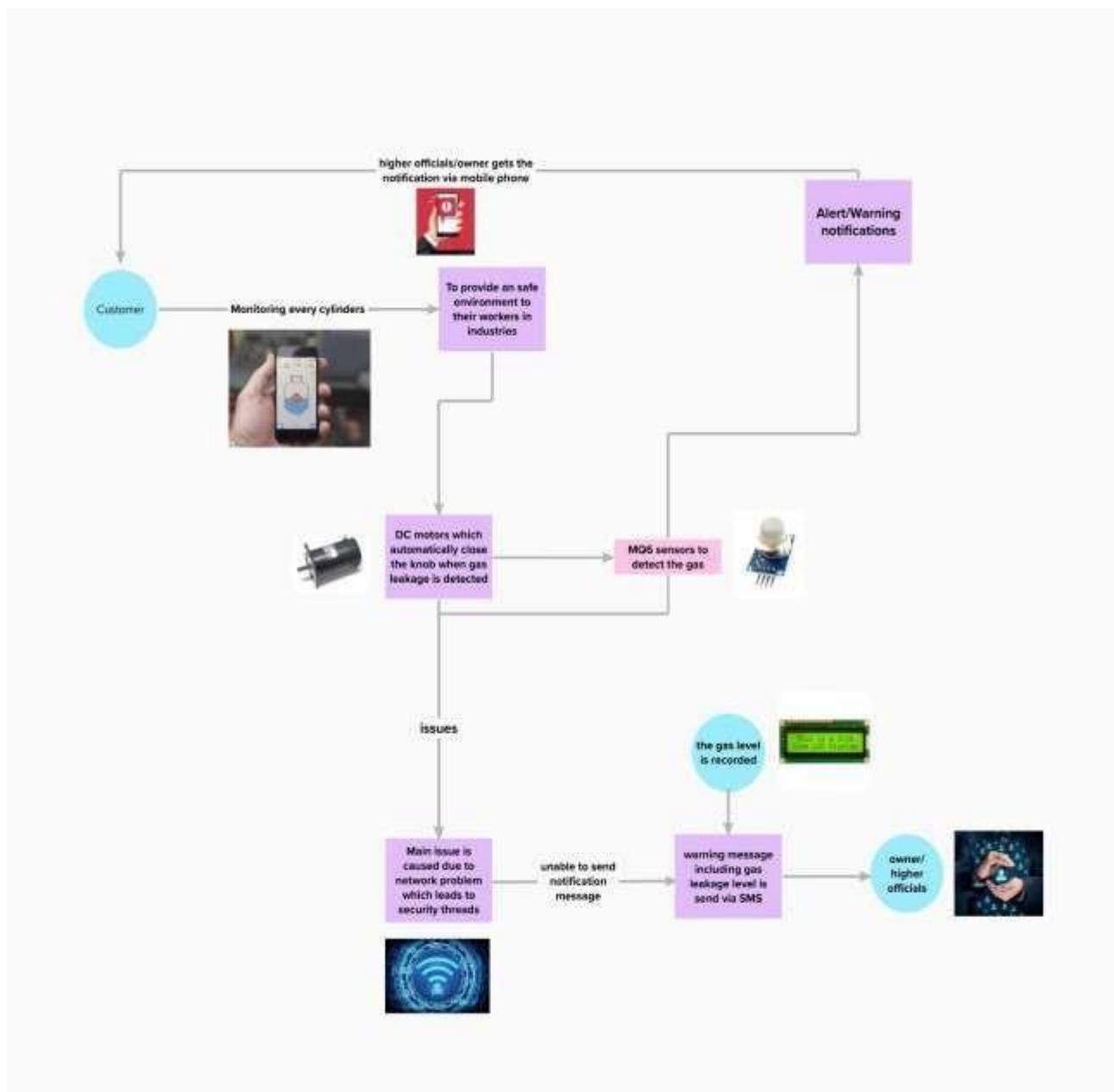


Project Design Phase-II Data Flow Diagram & User Stories

| | |
|---------------|--|
| Date | 17 October 2022 |
| Team ID | PNT2022TMID08747 |
| Project Name | Gas Leakage Monitoring and Alerting System |
| Maximum Marks | 4 Marks |

DATA FLOW DIAGRAM:



User Stories

Use the below template to list all the user stories for the product.

| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance criteria | Priority | Release |
|--|--------------------------------------|--------------------------|---|---|-----------------|----------------|
| Customer(family member/industry owner) | Registration | USN-1 | As a user ,I can register for the device in the owners mobile application by entering my email and password | I can access my account / dashboard | High | Sprint-1 |
| Customer(higher authority) | confirmation | USN-2 | As a user I will receive confirmation message via email and once I received I can install the device in the owners place | I can receive confirmation email & click confirm | High | Sprint-1 |
| Customer (fire service 101) | Safety measure register | USN-3 | As a register I can register the application in owner/family members mobile phone | I can register & access the dashboard with Facebook Login | Low | Sprint-2 |
| Customer (mobile user) | Mobile application | USN-4 | As a user I can register by mobile application | I can register for gas detection device with owners mobile number and the alert message will be send by SMS | Medium | Sprint-1 |
| Customer (credential) | Login | USN-5 | As a user I can log into the device by entering email & password in the owner's mobile application | Mail address and passwords are default | High | Sprint-1 |
| Customer (Web user) | Notification | USN-7 | As a user when there is a critical situation regarding gas explosion the alert notification will be received through GSM module | Alert message is sent to owners mobile as an SMS | High | Sprint-1 |
| Customer care Executive | Network Connectivity | USN-8 | When there is a gas leakage is detected in the surrounding | Sensor detect the leakage and notifies the owner via message | High | Sprint-1 |
| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance criteria | Priority | Release |
| Administration | Accessing | USN-9 | When there is an issue in accessing the device | Admin/Device operator's advice should be undertaken | High | Sprint-1 |