Project Design Phase-II
Data Flow Diagram & User Stories

Date	16 October 2022
Team ID	PNT2022TMID14393
Project Name	Project – Gas Leakage Monitoring and Alerting System
Maximum Marks	4 Marks

DATA FLOW DIAGRAM:

FIGURE: DATA FLOW DIAGRAM-Gas Leakage Monitoring and Alerting System
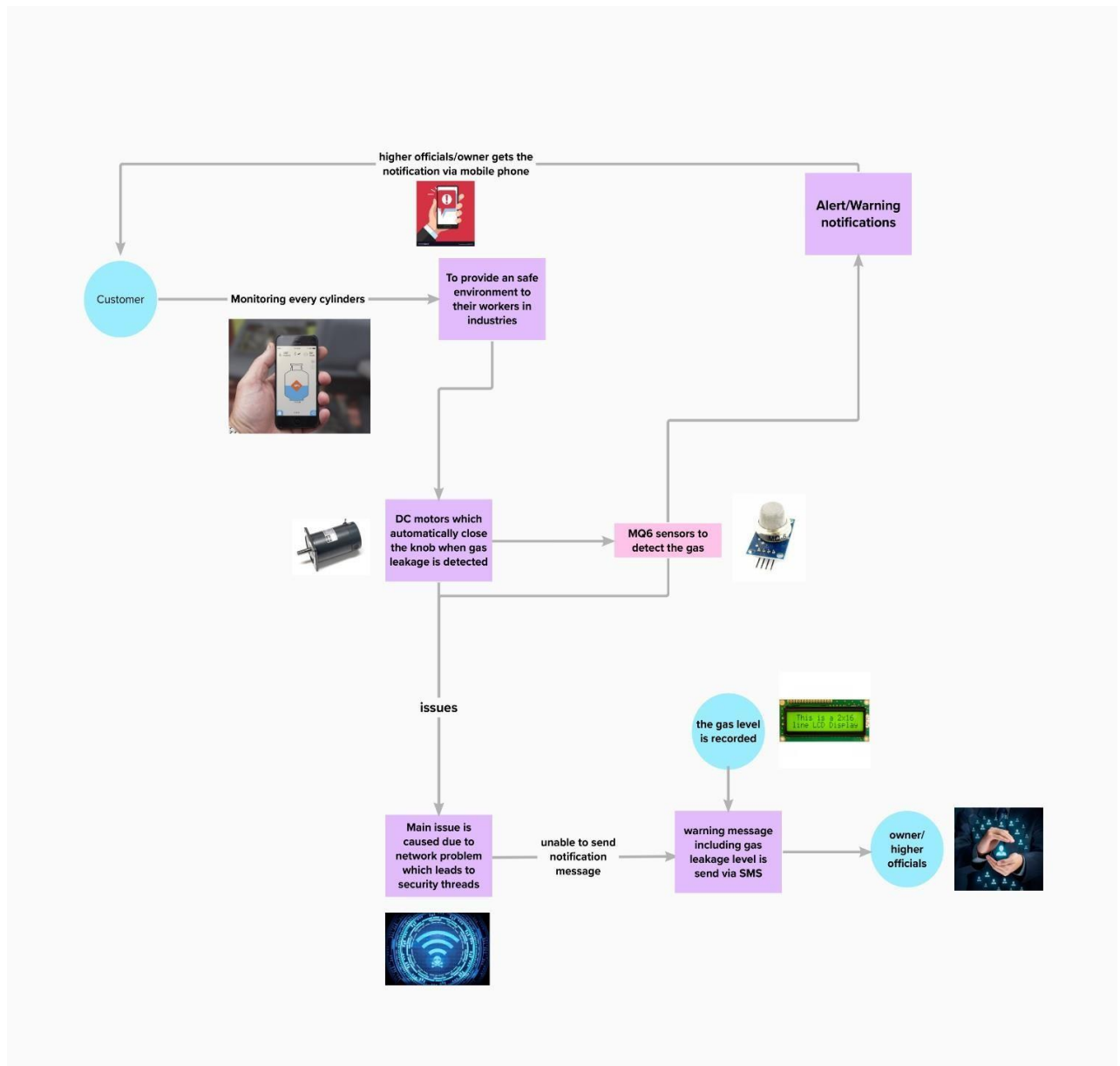
User Stories

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 owner'smobile 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 a confirmation message via email and once I received I can install the device in the owners place	I can receive a confirmationemail & click confirm	High	Sprint-1
Customer (fire service 101)	Safety measure register	USN-3	As a register, I canregister the application in the 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 a gas detectiondevice with the owner's mobile number and the alert message will be sent by SMS	Medium	Sprint-1
Customer (credential)	Login	USN-5	As a user, I can loginto the device by entering my email & password in the owner's mobile application	Mail addresses and passwordsare the default	High	Sprint-1
Customer (Web user)	Notification	USN-7	As a user when there is a critical situation regarding a gas explosion the alert notification will be received through GSM module	The alert message is sent to the owner's 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	The sensor detects the leakage andnotifies 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