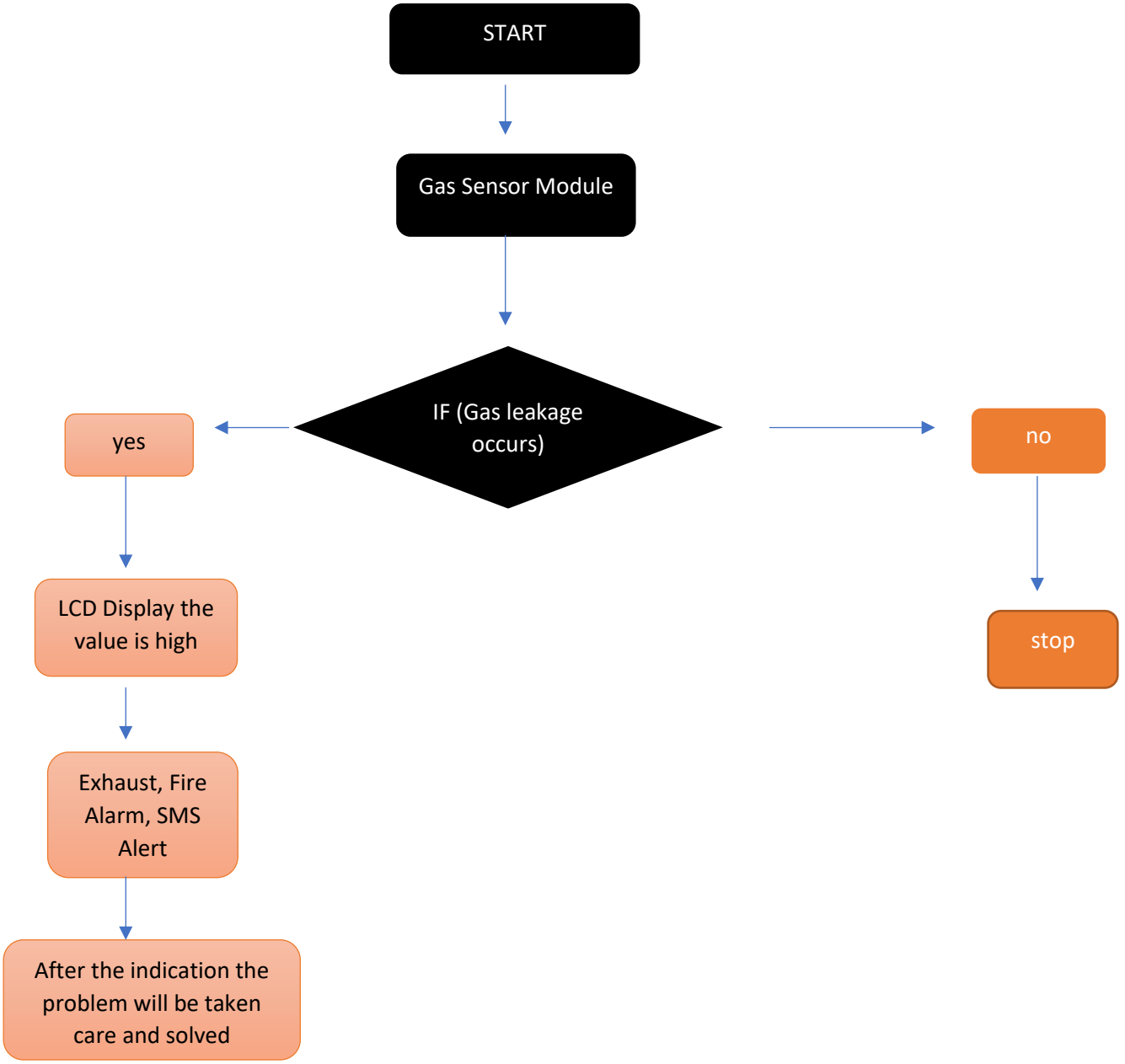
Project Design Phase-II
Data Flow Diagram & User Stories

Date	03 October 2022
Team ID	PNT2022TMID28556
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES
Maximum Marks	4 Marks

Data Flow Diagram

Data flow diagram of Gas leakage Monitoring And Alerting Systems For Industries


START
Gas Sensor Module
IF (Gas leakage occurs)
yes
no
LCD Display the value is high
stop
Exhaust, Fire Alarm, SMS Alert
After the indication the problem will be taken care and solved

User Stories:

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 application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
Customer	confirmation	USN-2	As a user, I will receive confirmation email once I have registered for the application	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 GMAIL/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 application by entering email & password	Mail address and passwords are default	High	Sprint-3
Customer (Web user)	Notification	USN-6	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-4
Customer care Executive	Network Connectivity	USN-7	When there is a gas leakage is detected in the surrounding	Sensor detect the leakage and notifies the owner via message and through buzzer	High	Sprint-3
Administration	Accessing	USN-8	When there is an issue in accessing the device	Admin/Device operator's advice should be undertaken	High	Sprint - 4