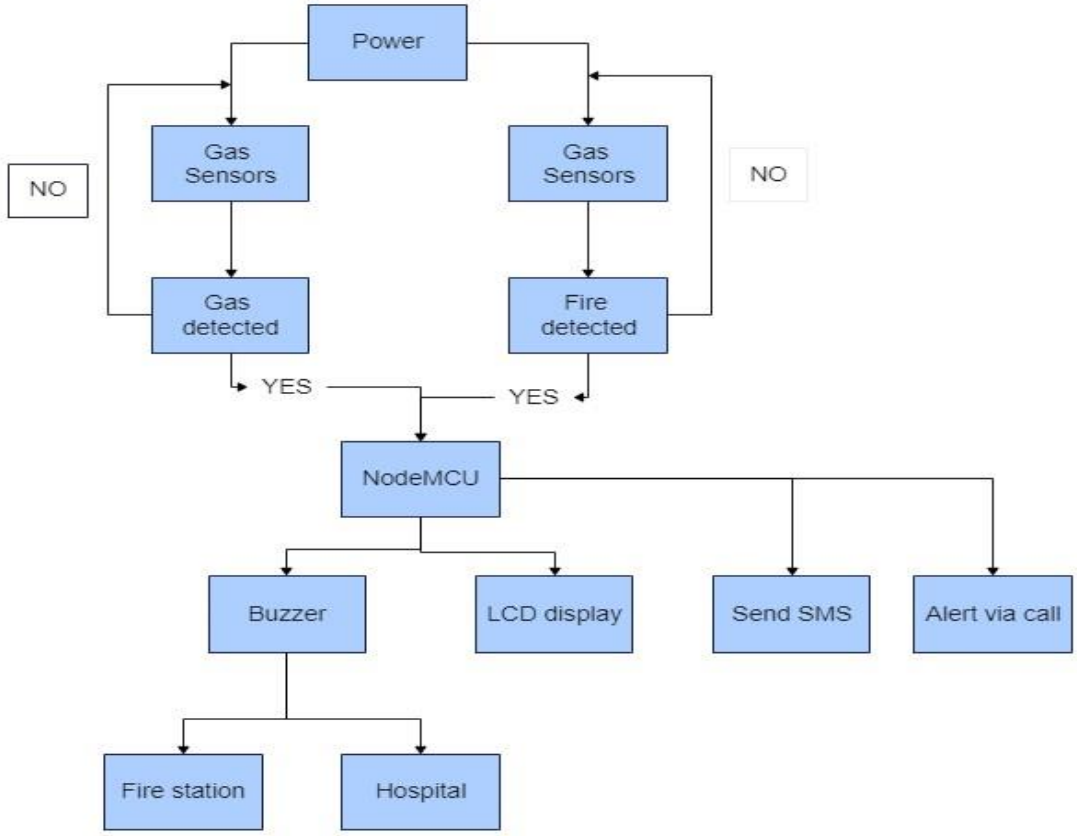
HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY

(AUTONOMOUS)

Date	31st October 2022
Team ID	PNT2022TMID10014
Project Name	IOT Gas Leakage Monitoring and Alerting System.
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.


Power
Gas Sensors
Gas Sensors
NO
NO
Gas detected
Fire detected
YES
YES
NodeMCU
Buzzer
LCD display
Send SMS
Alert via call
Fire station
Hospital

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 (Mobile user)	Registration	USN-1	User can install the mobile application	I can access my account / dashboard	High	Sprint-1
		USN-2	User can register their details like email and mobile number	I can receive confirmation email & click confirm	High	Sprint-1
	Login	USN-3	User can log on to the application using email and password.	I can Login into my application	High	Sprint-1
	Dashboard	USN-4	User can update their details like alternative mobile number etc..	I can view and change my details.	High	Sprint-2
		USN-5	User can view the gas level and the working condition of the sensors.	I can view the data given by the device	High	Sprint-2
Customer (Web user)	Usage	USN-1	User can register through the web page with e-mail or phone number.	I can receive confirmation email & click confirm	High	Sprint-3
		USN-2	User can log on to the web page using email and password.	I can Login into my application	High	Sprint-3
Customer	Working	USN-1	User can view the details	Act according to the alarm	Medium	Sprint-3
		USN-2	User can view the alert and turn off the power supply.	Act according to the alarm	High	Sprint-4
Customer Care Executive	Action	USN-1	Executer solves the user's problem	I can solve the issues	High	Sprint-4
Administrator	Administration	USN-1	Periodic check the condition of sensors and Stores the user's information	I can maintain the fault tolerance and error rate	High	Sprint-4