

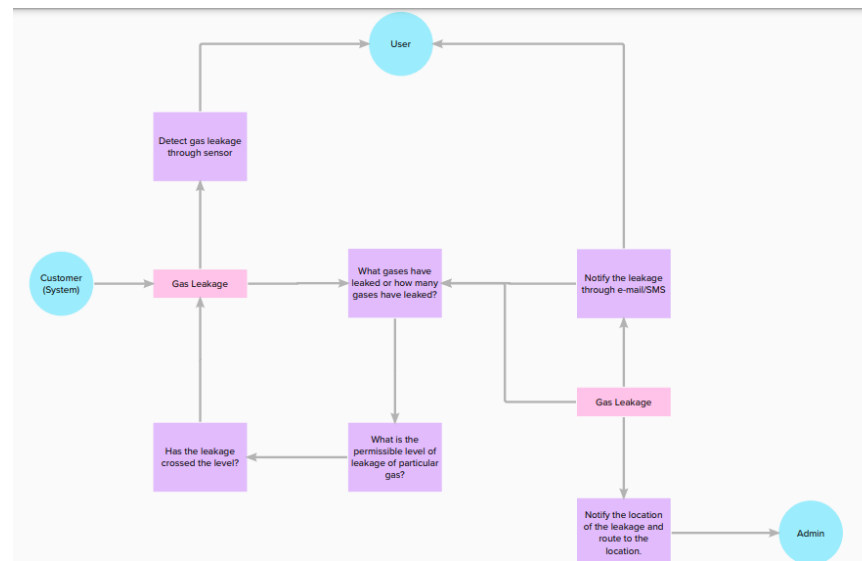
## Project Design Phase-II

### Data Flow Diagram & User Stories

Date	15 October 2022
Team ID	PNT2022TMID35489
Project Name	Project – 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.



## 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 (System)	Detection	USN-1	As a system, it must sense/detect the leakage of any gas through the sensor.	It must detect the leakage of gas.	High	Sprint-1
		USN-2	As a system , it must detect the amount of gas leaked.	It must measure the exact amount of gas leaked.	Medium	Sprint-2
		USN-3	As a system, it must update the website about the level of leakage in industries surrounding the area.	Web application must be updated with the leakage.	Medium	Sprint-2
Customer (User)	Registration	USN-1	As a user, I must first register my e-mail and mobile number in the website.	I can register my mobile number and E-mail.	High	Sprint-1
		USN-2	As a user, I must receive confirmation mail and SMS on registration.	I can make sure that registration is successful.	High	Sprint-1
	Login	USN-3	As a user, I can login into the web application through e-mail and password.	I can login and view the web application.	Medium	Sprint-3
	Dashboard	USN-4	As a user, I can access the dashboard and make use of available resources.	I can access the dashboard to make use of resources.	Low	Sprint-4
	Notification	USN-5	As a user, I must receive an E-mail once the leakage is detected.	I must receive an e-mail to the registered mail id about the leakage.	High	Sprint-2
		USN-6	As a user, I must receive an SMS once the leakage is detected.	I must receive SMS to the registered Mobile number about the leakage.	High	Sprint-2
Administrator	Registration	USN-1	As an admin, I must first register myself in the portal using E-mail.	I can register myself as an admin in the website.	High	Sprint-2
		USN-2	As an admin, I must receive confirmation mail.	I must receive mail so that my registration is successful.	Medium	Sprint-2
	Login	USN-3	As an admin, I can login into the web application through e-mail and password.	I can login and view the web application.	Medium	Sprint-3
	Dashboard	USN-4	As an admin, I can access the dashboard and make use of available resources.	I can access the dashboard to make use of resources.	Low	Sprint-4

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
	Notification	USN-5	As an admin, I must receive information about the leakage along with location.	I must be notified with the location of the leakage.	High	Sprint-1
	Allocation	USN-6	As an admin, I must allot particular person to look after the leakage in a particular location.	I must allot a person to a particular place.	Medium	Sprint-2
		USN-7	As an admin, I must share exact location and route to the person.	The person must know the location and route to the place.	High	Sprint-2