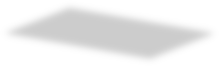
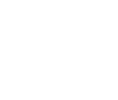
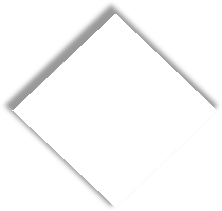
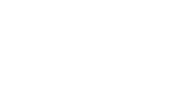
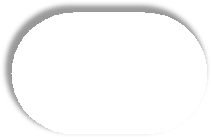
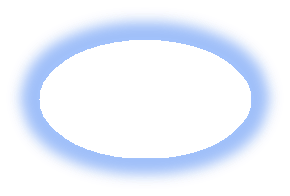
Project Design Phase-II

**Data Flow Diagrams and User Stories**

|  |  |
| --- | --- |
| Date | 16 OCTOBER 2022 |
| Project Name | Gas Leakage Monitoring and Alerting System |
| Maximum Marks | 4 Marks |

Data Flow Diagram



Input

Gas

Leakage Detected

**No**

IDLE

**Yes**

If output

value > threshold

value

**No**

**Yes**





Send SMS/Call to Employee

Send SMS/Call to Fire Station

**User Stories**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **User Type** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Acceptance criteria** | **Priority** | **Release** |
| **Customer (Mobile user)** | Registration | USN-1 | As a user, I can create an account in the application  provided. | I can access my account/ dashboard | High | Sprint-1 |
|  |  | USN-2 | As a user, I  registered using my Gmail. | I can receive confirmation email. | High | Sprint-1 |
|  |  | USN-3 | As a user, I can successfully  install the app. | I can register & access the  dashboard. | Low | Sprint-2 |
|  | Login | USN-4 | As a user, I can login using my  Gmail and password easily. | The login process was easy and  simple to access the dashboard. | High | Sprint-1 |
| **Customer (Web user)** | Registration | WUSN-1 | As a web user I can login to web dashboard just  like a website. | I can register & access the dashboard. | High | Sprint-2 |
|  | Dashboard | WUSN-2 | As a user I can view the alert/warning  SMS in the web application. | I can login to the website using my login credentials | High | Sprint-2 |
| **Customer Care Executive** |  | CCE-1 | A customer care executive will always be available for the interaction with the customer to clarify the  queries. | An executive will clarify the doubts and note down the complaints of the application if any. | High | Sprint-2 |
| **Administrator** |  | ADMIN-1 | I as an Admin can access and view the data or information provided by the application &can also check, analyse the  threshold value of the gas. | The details of the gas leakage level of the gas are provided to the users through SMS when an alerting sound is received. | High | Sprint-1 |