

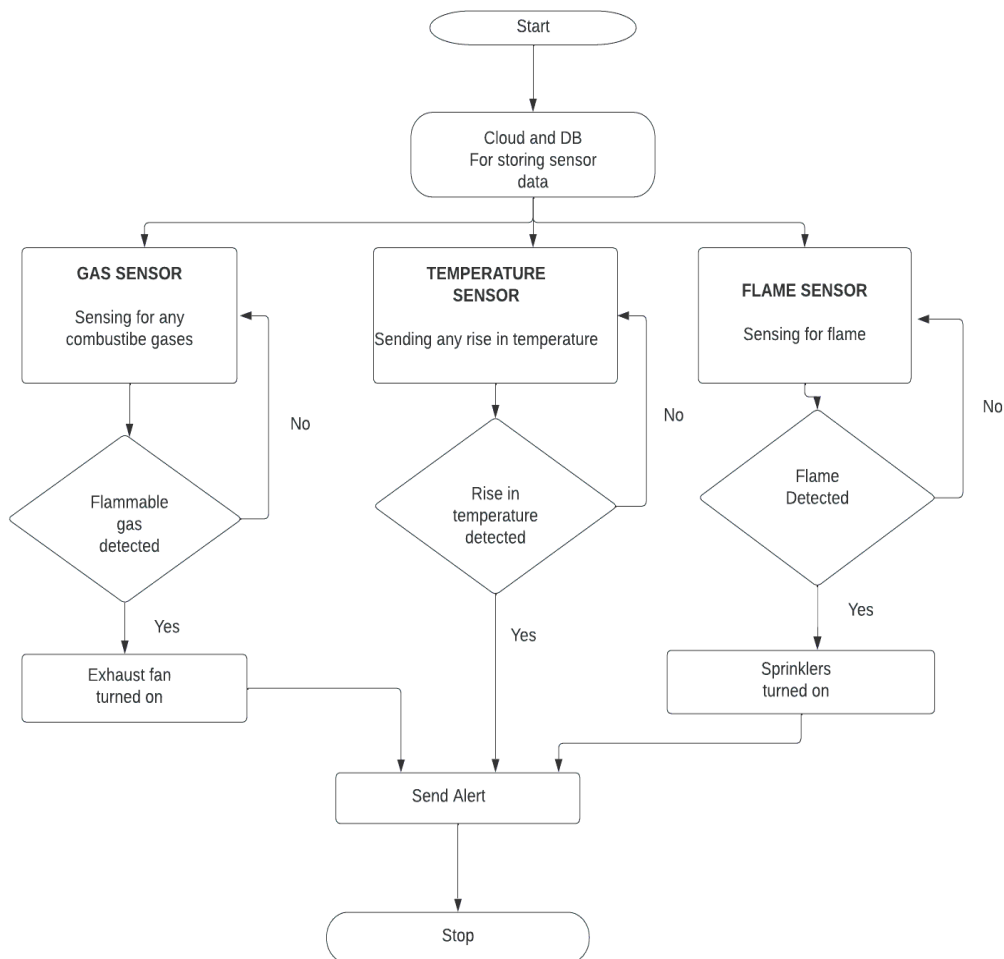
# Project Design

## Phase - II

### Data Flow Diagram & User Stories

|               |  |
|---------------|--|
| Date          | 31 October 2022  |
| Team ID       | PNT2022TMID29259   |
| Project Name  | Project - Industry Specific Intelligent Fire Management System |
| Maximum Marks | 4 Marks  |

### Data Flow Diagram:



## User Stories

| User Type           | Functional Requirement (Epic) | User Story Number | User Story / Task   | Acceptance criteria  | Priority | Release  |
|---------------------|-------------------------------|-------------------|---|--|----------|----------|
| Customer (Industry) | Assembling                    | USN-1             | As a user, I must position the sensors in the appropriate location.       | I have access to my sensor triggers                              | High     | Sprint-1 |
|                     |                               |                   |   |  |          |          |
|                     |                               |                   |   |  |          |          |
|                     |                               |                   |   |  |          |          |
|                     |                               |                   |   |  |          |          |
|                     |                               | USN-2             | As a user, I must test my hardware to ensure that it is operational.      | I can use the serial monitor to keep track of all sensor values. | High     | Sprint-1 |
|                     |                               |                   |   |  |          |          |
|                     |                               |                   |   |  |          |          |
|                     |                               |                   |   |  |          |          |
|                     | User Registration             | USN-3             | As a user, I can create user accounts for the model's essential software. | I can sign up and utilize user Login to access the dashboard.    | Medium   | Sprint-2 |
|                     |                               |                   |   |  |          |          |
|                     |                               |                   |   |  |          |          |
|                     |                               |                   |   |  |          |          |
|                     |                               | USN-4             | As a user, I can verify that notifications and SMS are delivered properly | I can verify the alerts via Fast2SMS                             | High     | Sprint-1 |
|                     |                               |                   |   |  |          |          |
|                     |                               |                   |   |  |          |          |
|                     |                               |                   |   |  |          |          |