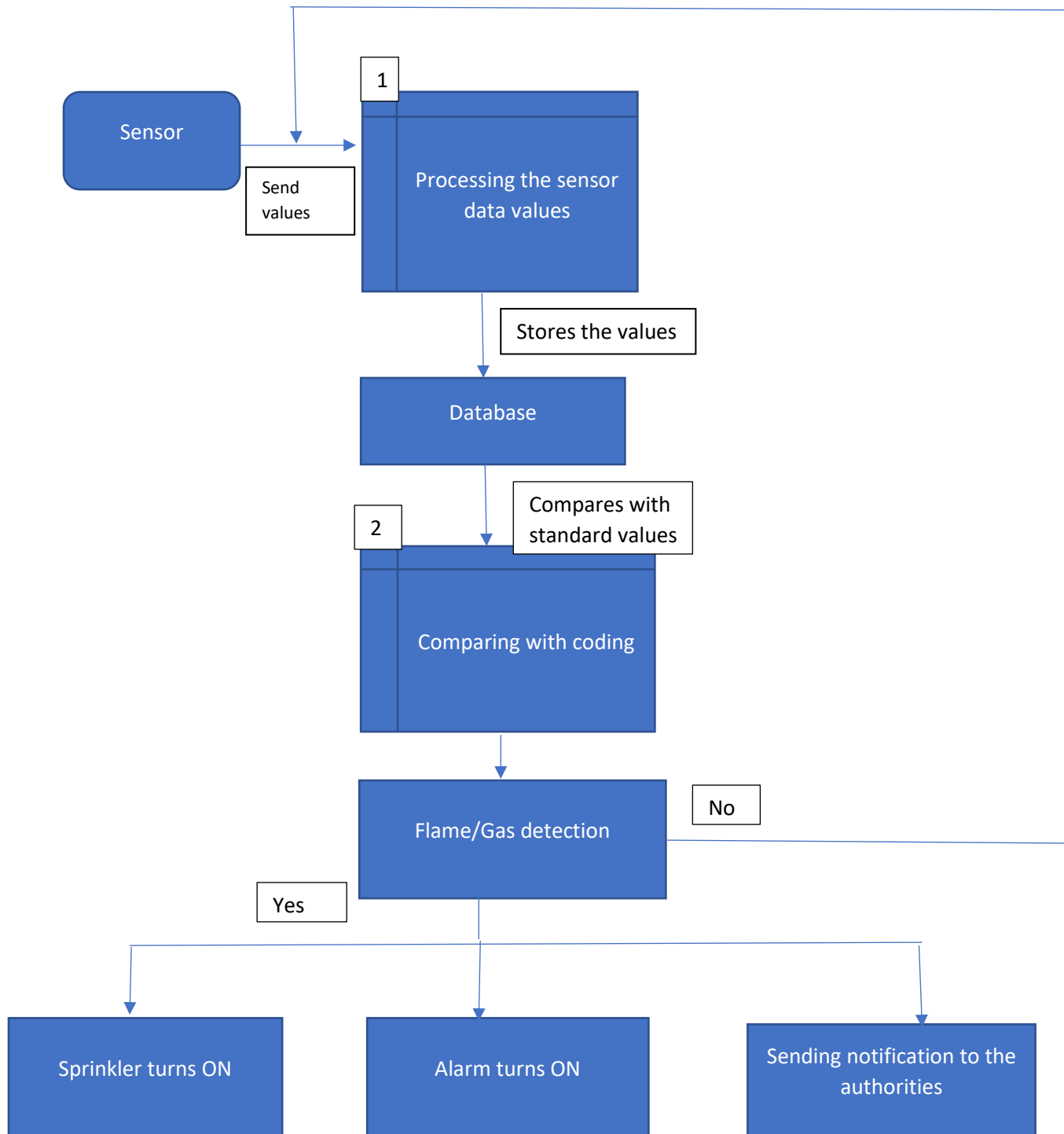


**Project Design Phase-II**  
**Data Flow Diagram & User Stories**

|               |  |
|---------------|--|
| Date          | 16 October 2022                                      |
| Team ID       | PNT2022TMID34904                                     |
| Project Name  | Industry-specific intelligent fire management 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 (Industrial user) | Rapid Detection of fire            | USN-1             | As a user, I need rapid detection of fire                    | I can safeguard my properties and employees   | High     | Sprint-1 |
| Customer (Industrial user) | 3D location                        | USN-2             | As a user, I require a 3D location                           | Fire can be detected accurately   | Medium   | Sprint-1 |
| Customer (Industrial user) | Automation and autonomy            | USN-3             | As a user, I need automation and autonomy                    | Human interaction can be avoided  | High     | Sprint-2 |
| Customer (Industrial user) | Web server                         | USN-4             | As a user, it's essential to have a web server               | I can monitor and allow for remote control by designated persons  | Medium   | Sprint-4 |
| Customer (Industrial user) | Automatic, Accurate, DynamicAiming | USN-5             | As a user, I require automatic, accurate, and dynamic aiming | Aim a large volume of water directly at the flames, and dynamically follow the flames if the fire grows | High     | Sprint-2 |
| Customer (Industrial user) | Cloud server                       | USN-6             | As a user, I need a cloud server                             | I can store the data securely   | Low      | Sprint-3 |
| Customer (Industrial user) | Alarm                              | USN-7             | As a user, I need an alarm                                   | I can be safe before the fire spreads   | High     | Sprint-2 |
| Customer (Fire station)    | Notification                       | USN-8             | As a user, I need a notification about the fire              | I can know about the nearby fire breakage   | Low      | Sprint-3 |