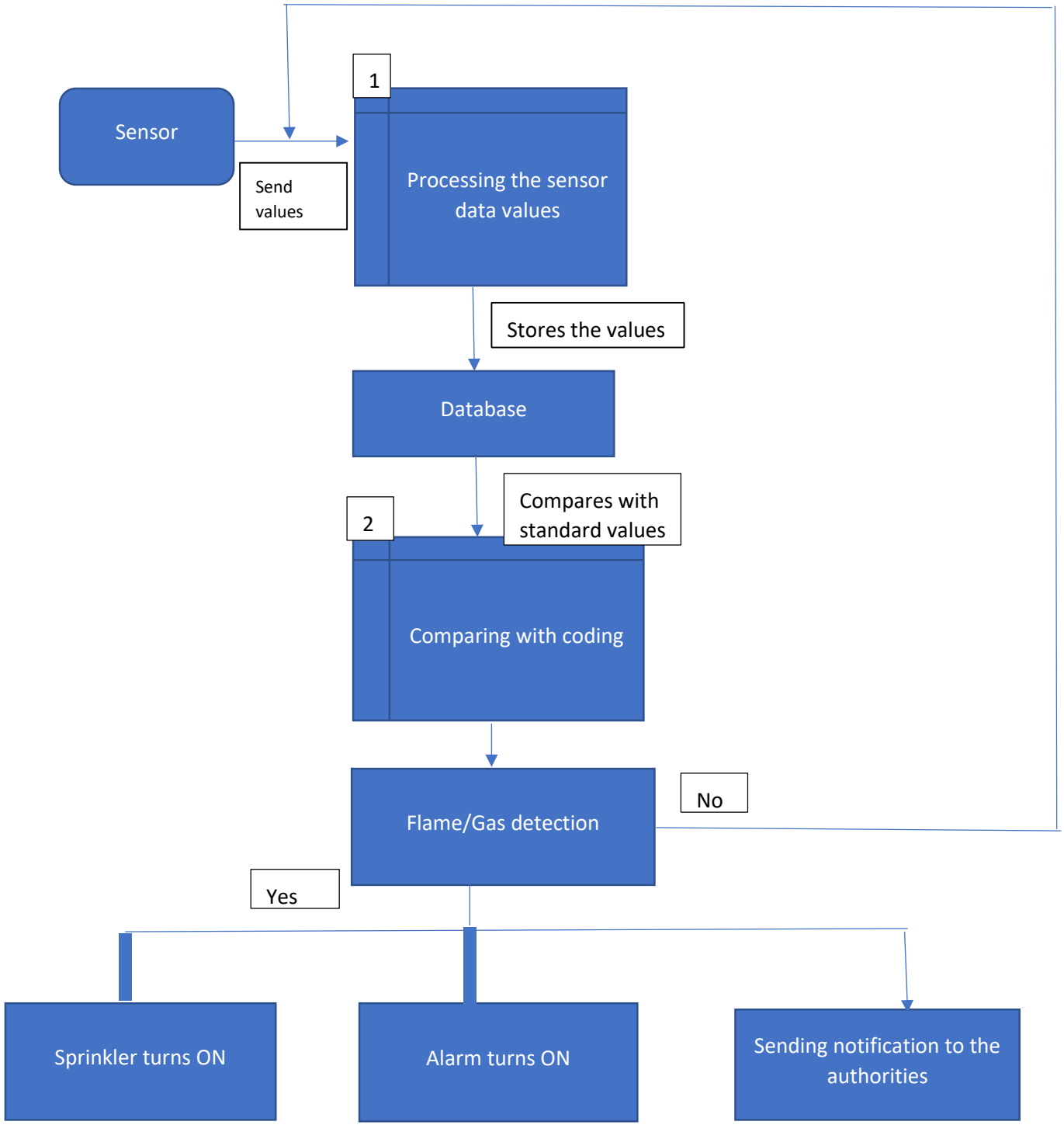
Project Design Phase-II
Data Flow Diagram & User Stories

Date	16 October 2022
Team ID	PNT2022TMID08358
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.


Sensor
Send values
1
Processing the sensor data values
Stores the values
Database
Compares with standard values
2
Comparing with coding
Flame/Gas detection
No
Yes
Sprinkler turns ON
Alarm turns ON
Sending notification to the authorities

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, Dynamic Aiming	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