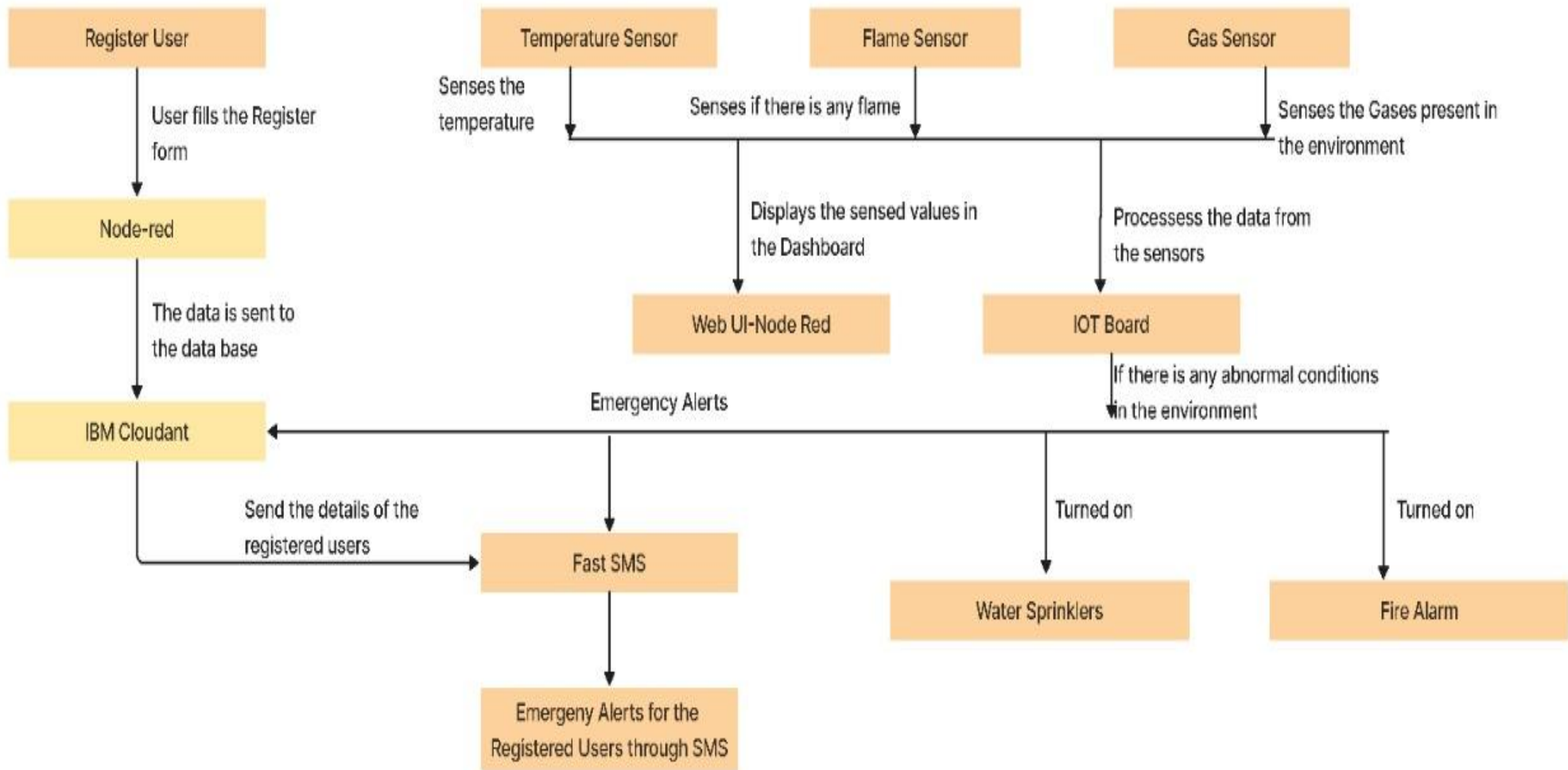


**Project Design Phase-II**  
**Data Flow Diagram & User Stories**

Date	03October 2022
Team ID	PNT2022TMID42571
Project Name	Project - Industry specific intelligent fire management system
Maximum Marks	4 Marks

**Data Flow Diagram:**

1. The user should provide information to get registered in the web application and this user database will be stored in IBM cloudant through node-red.
2. Here we use IOT's such as temperature sensor, gas sensor, flame sensor.
3. Temperature sensor senses the temperature, flame sensor senses if there is any flame and the gas sensor senses the gases present in the environment.
4. The Web UI-Node Red will display the sensed values in the dashboard. Whereas IOT Board process the data from the sensors, if any changes detected in the environment then it will turn on the water sprinklers and fire alarm.
5. It will also send an emergency alert to IBM cloudant so that the registered user will receive a Fast SMS and nearby fire station will be notified.



**User Stories:**

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user, web user)	Registration	USN-1	As a user, I can provide my details to the admin to get registered for the application by entering my name, phone number	I can register my account .	High	Sprint-2
		USN-2	As a user, I will receive a pop-up message that I registered for the application.	I can click Okay button and confirm the registration	Medium	Sprint-2
Administrator, Care Executive	Login	USN-1	As a admin, I can log into the application by entering username & password.	I can login with my phone number and password.	High	Sprint-1
	Dashboard	USN-2	As a admin, I can login through the application and access the Dashboard	I can login & access the dashboard with Internet	Medium	Sprint-3
		USN-3	As a admin, I can monitor the sensor data continuously in the dashboard	I can monitor the environment continuously	High	Sprint-4