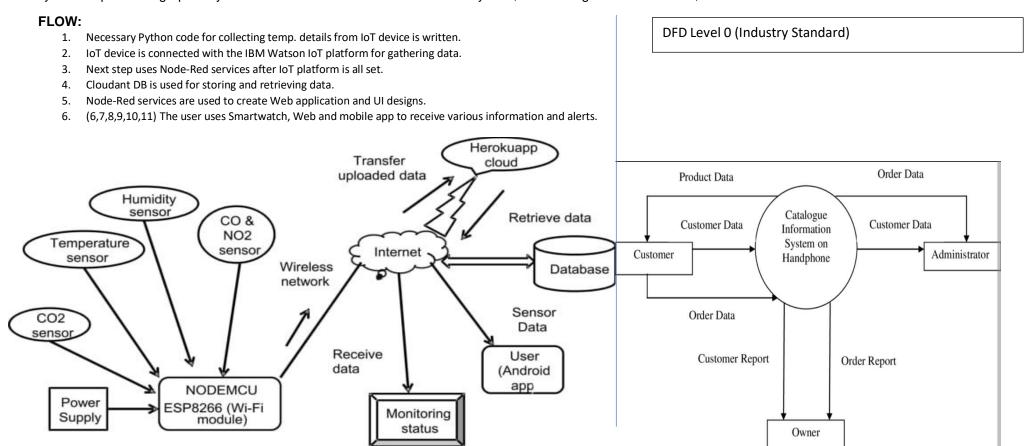
## Project Design Phase-II Data Flow Diagram & User Stories

Date	22 October 2022
Team ID	PNT2022TMID01115
Project Name	Project – Hazardous Area Monitoring for Industrial Plant powered by IoT.
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
Technician	Installation	USN-1	The technician must install the thermistor at points to ensure the entire area of the plant is covered.	A sensor can be found in every area of the plant.	High	Sprint-1
	Data Gathering	USN-2	The thermistor and thermocouple obtain the temperature of theirrespective area using sensors.	The temperature of areas within the plant is obtained.	High	Sprint-1
	Data Sync	USN-3	The sensors send their data to the cloud in the real time which is in turn sent to nearby wearable devices and the administrators dashboard.	Data is sent to the cloud successfully and synced with other devices.	High	Sprint-1
	Wearable device display	USN-4	The wearable devices should display the data sent by thermistor within the area.	The user can see the Temperature, pressure of the area on their device.	High	Sprint-1
	Wearable device adjustments	USN-5	The user can vary the length and shape of id card	The user can make adjustments to the device according to there comfort	Low	Sprint-2
	Wearable display customization	USN-6	The user can adjust software setup to suit there needs in mobile app itself	The user can modify the display of the app to increase readability.	Medium	Sprint-2
	SMS Notifications	USN-7	The user is sent a notification to their phone from the wearable device through an API when the area they are in reaches dangerous temperatures.	The user is informed of potential danger via SMS as soon as it is detected by The sensor	High	Sprint-1
Administrator	Admin Dashboard	USN-8	send the data through the cloud toa dashboard which is run by the administrator.	The data of all the sensor can be viewed by the administrator of the plant.	High	Sprint-1
	Dashboard Customization	USN-9	The dashboard can be customized by the admin to suit their personal requirements and priorities.	The admin can customize the UI for their dashboard.	Medium	Sprint-2