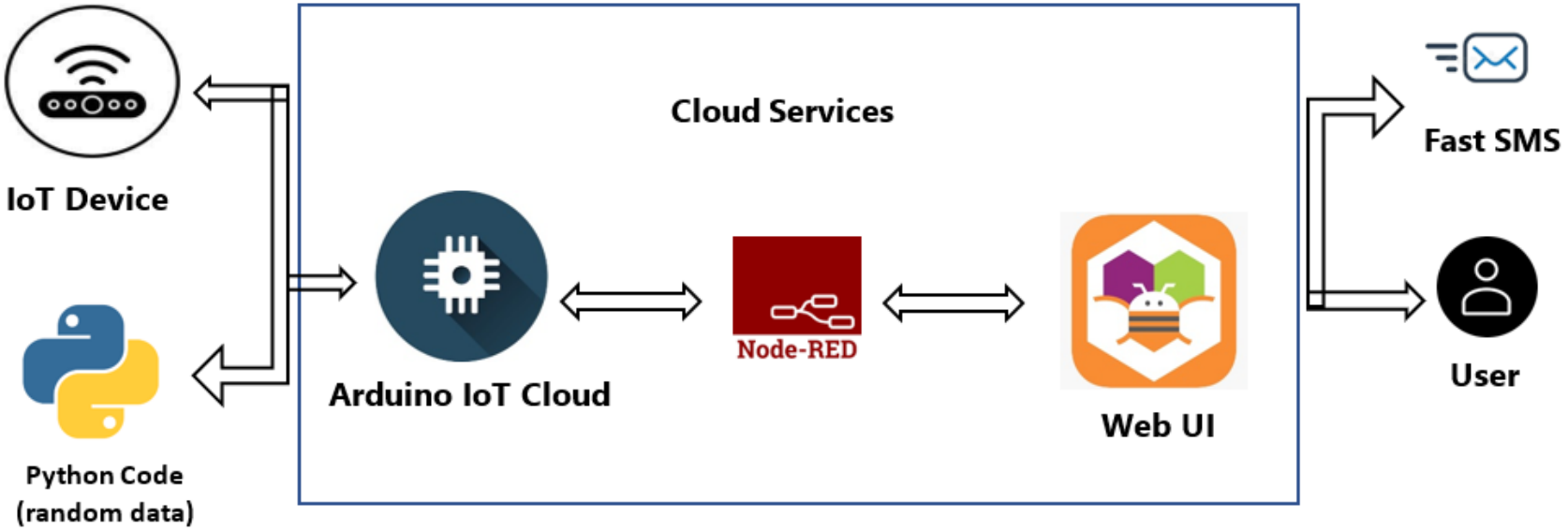
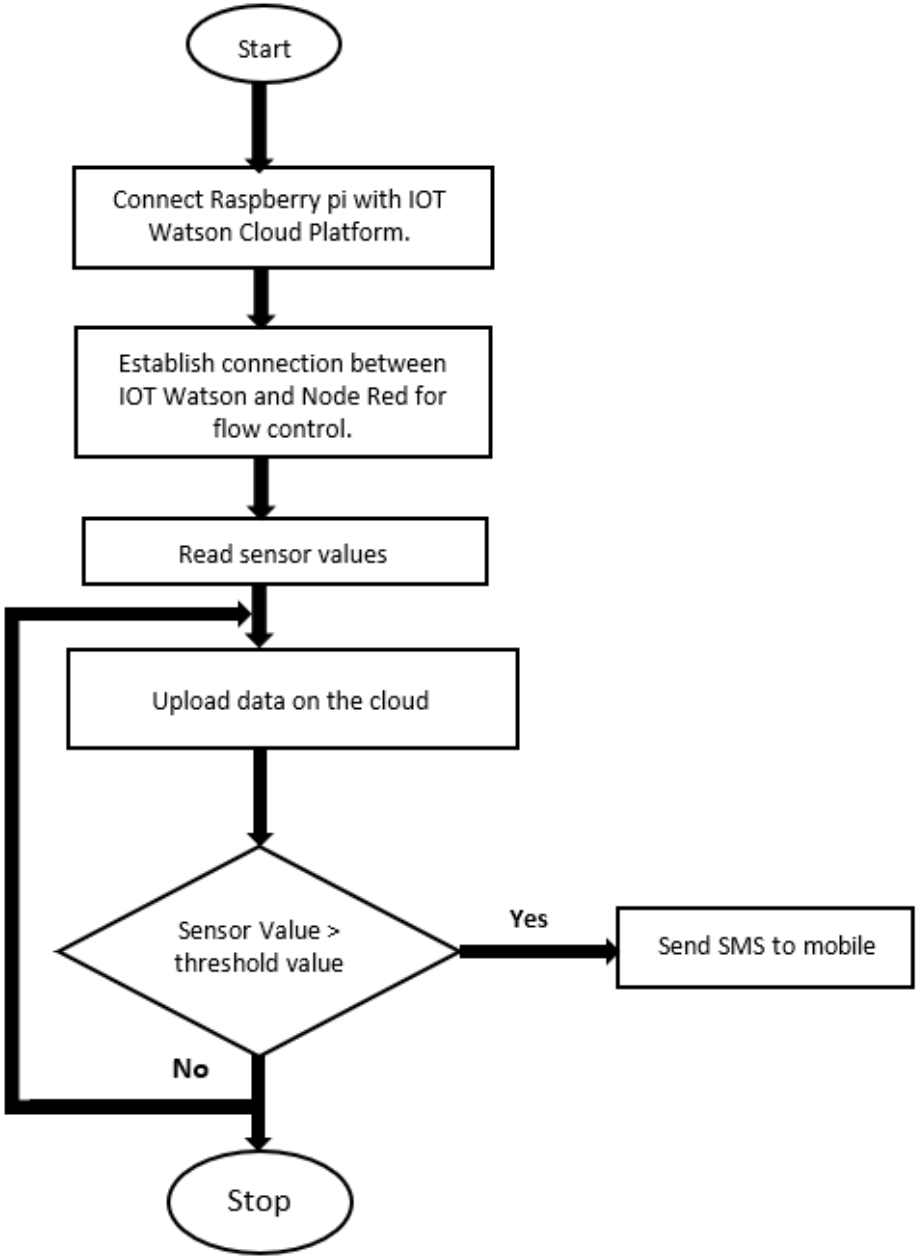
Project Design Phase-II
Data Flow Diagram & User Stories

Date	05 November 2022
Team ID	PNT2022TMID09930
Project Name	Project - Real-Time River Water Quality Monitoring and Control 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.




Start
Connect Raspberry pi with IOT Watson Cloud Platform.
Establish connection between IOT Watson and Node Red for flow control.
Read sensor values
Upload data on the cloud
Sensor Value > threshold value
Yes
Send SMS to mobile
No
Stop

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 (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard.	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application.	I can receive confirmation email & click confirm.	High	Sprint-1
		USN-3	As a user, I can register for the application through Facebook.	I can register & access the dashboard with Facebook Login.	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail.		Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password.		High	Sprint-1
	Dashboard	USN-6	As a user, I can login to the dashboard and search the access account and receive mail.			
Customer (Web user)	Login	UI	As a user, I need to create an account by providing all the necessary information.		Medium	Sprint-1
Customer Care Executive	Registration	UX	As a customer I need to register for application's care executive.	I can register and access the account.	High	Sprint-1
Administrator	Confirmation		As a customer I need to confirm mail once registered for the web user.		High	Sprint-1