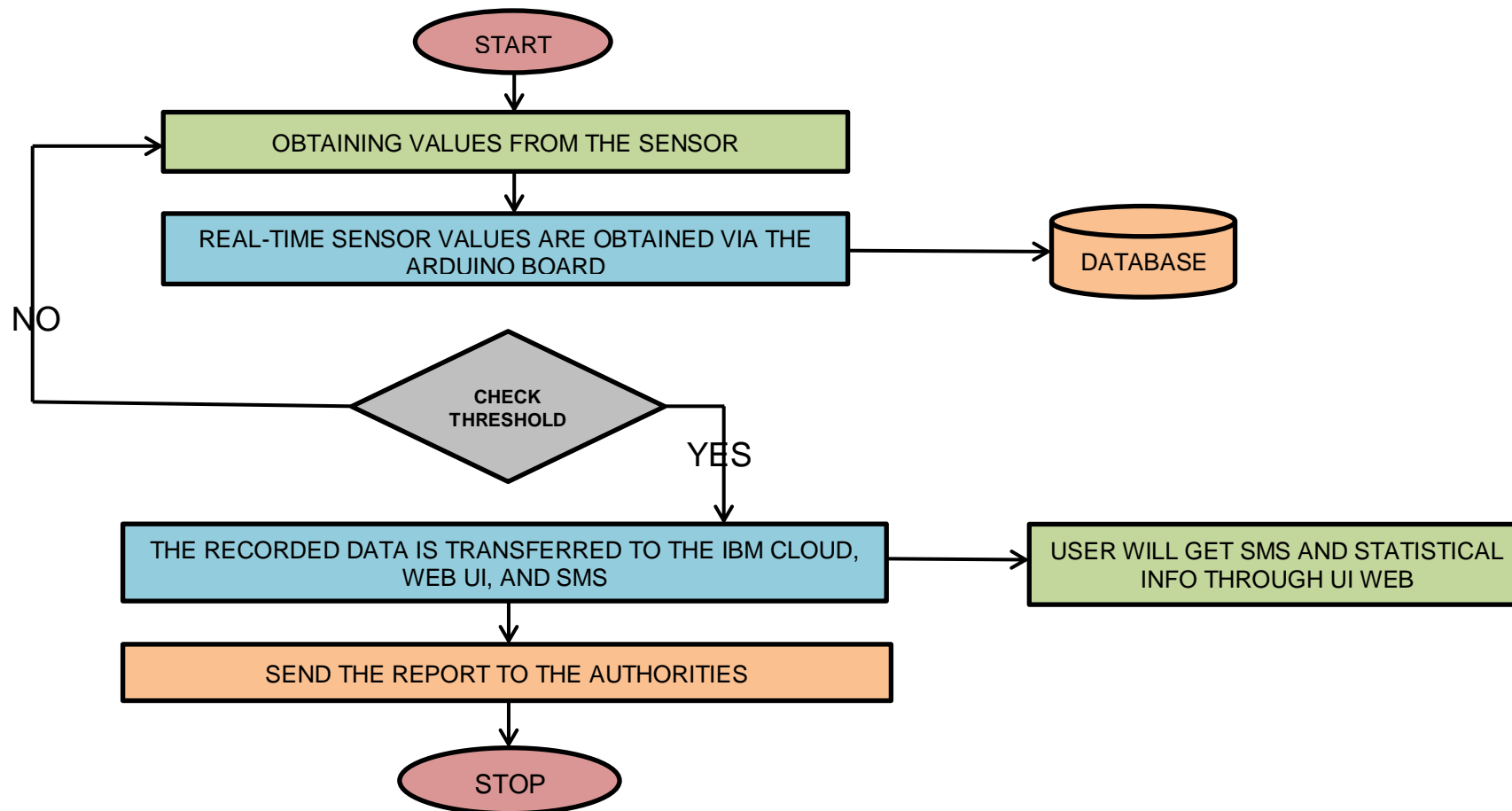


Project Design Phase-II
Data Flow Diagram & User Stories

Date	27 October 2022
Team ID	PNT2022TMID02419
Project Name	Real-Time River Water Quality Monitoring and Control System
Maximum Marks	4 Marks

Data Flow Diagram:

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

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 email, password, and confirming my password.	I can access my account /dashboard.	High	Sprint-1
		USN-2	As a user, I will receive a confirmation email once I have registered for the application.	I can receive confirmation Email & click confirm.	High	Sprint-2
		USN-3	As a user, I can register for the application through Google.	I can register & access the dashboard with Google.	High	Sprint-1
		USN-4	As a user, I can register for the application through Gmail.	I can register through the mail.	Medium	Sprint-2
	Login	USN-5	As a user, I can log into the application by entering email, password and captcha.	I can receive login credentials.	High	Sprint-1
	Interface	USN-6	As a user, the interface should be in an approachable way.	I can able to access easily.	Medium	Sprint-1
Customer (Web user)	Dashboard	WUSN-1	As a web user, I can access specific parameters (pH value, Temperature, Turbidity).	I can able to know the quality of the water.	High	Sprint-1
Customer Care Executive (input)	View Point	CCE-1	As a customer service, I can view data in a graphical representation style.	I can easily understand by visuals.	High	Sprint-1
	Taste	CCE-2	As a customer service, I can analyze the standard (salinity) of the water.	I can easily know whether it is saline or not.	High	Sprint-1
	Color visibility	CCE-3	As a customer service, I can determine the state of the water based on its color.	I can easily know the condition by color.	High	Sprint-1
Administrator	Risk tolerant	ADMIN-1	An administrator who is in charge of the system should update and maintain the application.	Admin should monitor the records properly.	High	Sprint-2