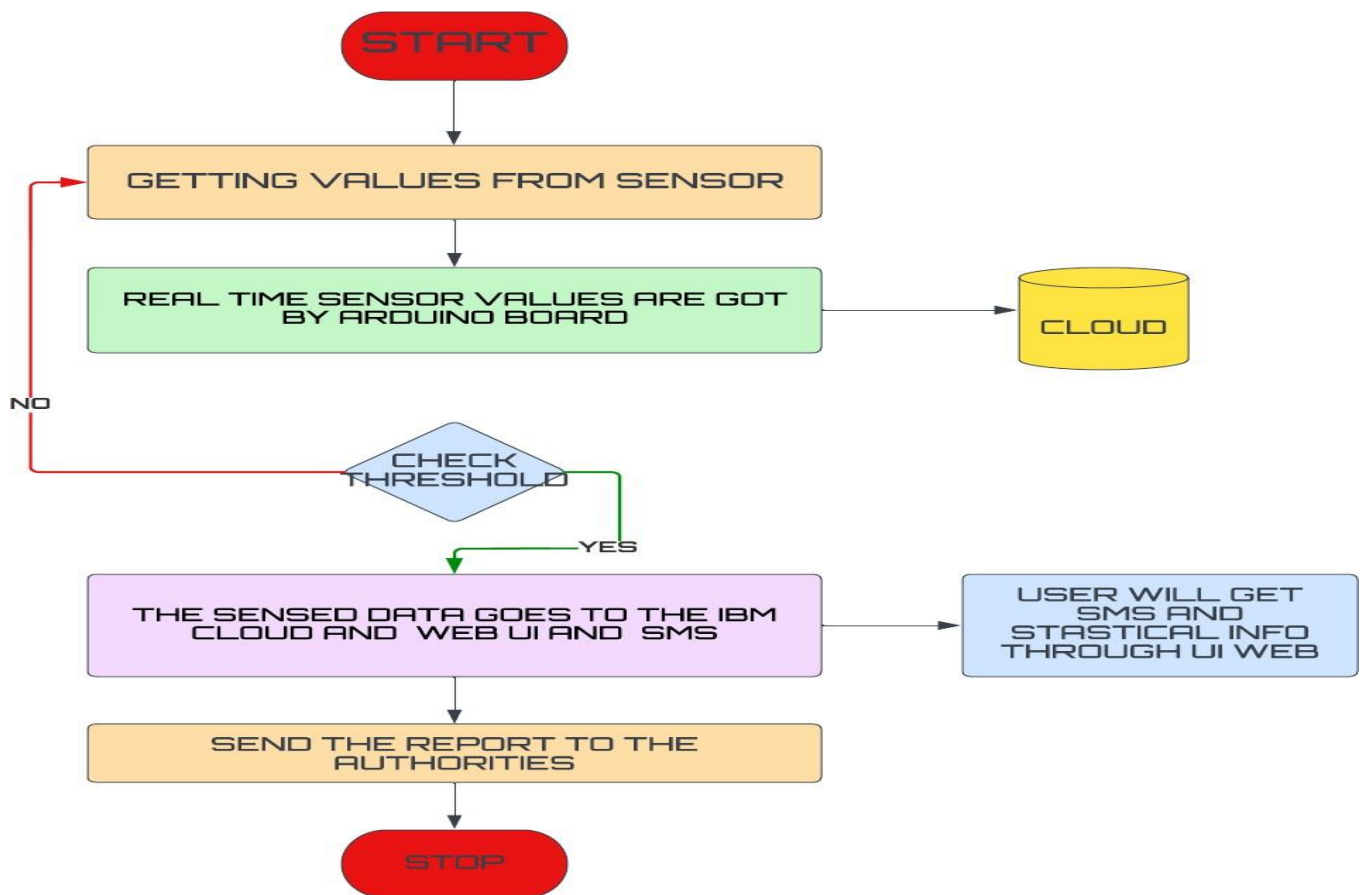


Project Design Phase-II Data Flow Diagram

Date	18 th October 2022
Team ID	PNT2022TMID29148
Project Name	Project - Real time River water quality monitoring and control system

Data Flow Diagram:



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User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteri
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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
		USN-2	As a user, I will receive a confirmation email once I have registered for the application	I can receive a confirmation email & click confirm
		USN-3	As a user, I can register for the application through Google	I can register & access the dashboard with Google
		USN-4	As a user, I can register for the application through Gmail	I can register through mail.
	Login	USN-5	As a user, I can log into the application by entering email, password & captcha	I can receive login credentials.
	Interface	USN-6	As a user, the interface should be user-friendly manner	I can be able to access easily.
Customer (Web user)	dashboard	USN-7	As a user, I can access the specific info(ph value, temp, humidity, quality).	I can be able to know the quality of the water.
Customer (input)	View manner	USN-8	As a user, I can view data in visual representation manner(graph)	I can easily understand the visuals.
	Taste	USN-9	As a user, I can be able to view the quality(salty) of the water	I can easily know whether it is salty or not
	Color visibility	USN-10	As a user, I can be able to predict the water color	I can easily know the condition by color
Administrator	Risk tolerant	USN-11	An administrator who is handling the system should update and take care of the application.	Admin should monitor records properly.