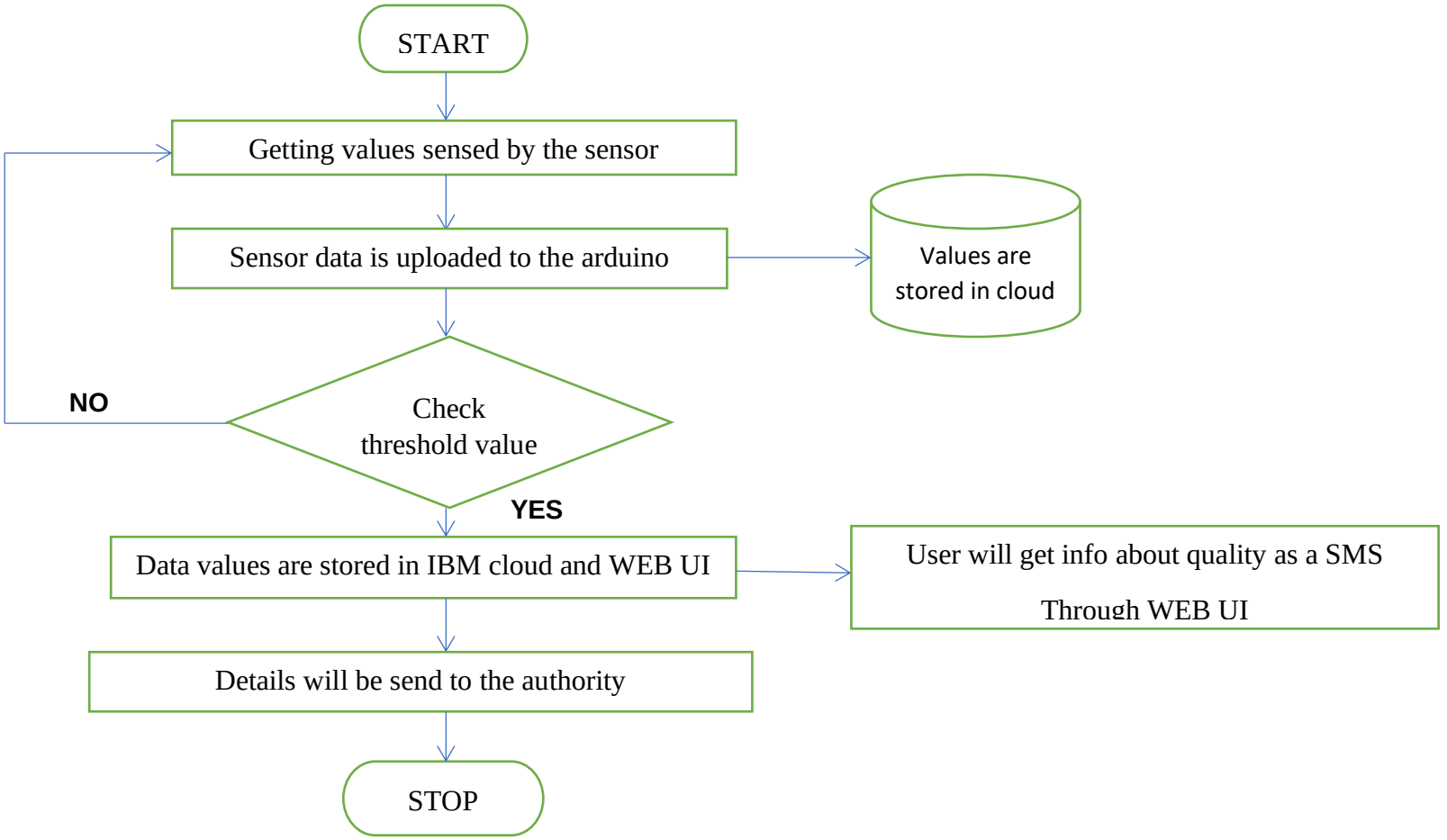
Project Design Phase-II
Data Flow Diagram & User Stories

Date	21 October 2022
Team ID	PNT2022TMID51098
Project Name	Project - Real time River water quality monitoring and control system
Maximum Marks	4 Marks

Data Flow Diagrams:



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 my email address, password, and password confirmation.	can gain access to my account/dashboard.	High	Sprint-1
		USN-2	Once I have registered for the application, I will receive a confirmation email.	I can receive an email confirmation and click confirm.	High	Sprint-2
		USN-3	As a user, I can sign up for the app using Google.	I can use Google to register and access the dashboard.	High	Sprint-1
		USN-4	As a user, I can sign up for the application using Gmail.	I can sign up through the mail.	Medium	Sprint-2
	Login	USN-5	I can access the application as a user by entering my email address, password, and captcha.	I can obtain login information.	High	Sprint-1
	Interface	USN-6	As a user, the interface should be easy to use.	I can easily gain access.	Medium	Sprint-1
Customer (Web user)	dashboard	USN-7	As a user, I have access to specific information (pH value, temperature, humidity, and quality).	I can determine the water's quality.	High	Sprint-1
Customer	View manner	USN-8	As a user, I can view data in a graphical format (graph).	Visuals help me understand better.	High	Sprint-1
	Taste	USN-9	As a user, I can see the water's quality (saltiness).	I can easily tell if it's salty or not.	High	Sprint-1
	Colour visibility	USN-10	As a user, I can predict the colour of the water.	I can quickly determine the condition based on the colour.	High	Sprint-1
Asministrator	Risk tolerant	USN-11	The application should be updated and maintained by the system administrator.	The records should be properly monitored by the administrator.	Medium	Sprint-2