

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

Date	3 October 2022
Team ID	PNT2022TMID19515
Project Name	Project – Real time river water quality monitoring and Control System
Maximum Marks	4 Marks

Project Title : Real-Time River Water Quality Monitoring And Control

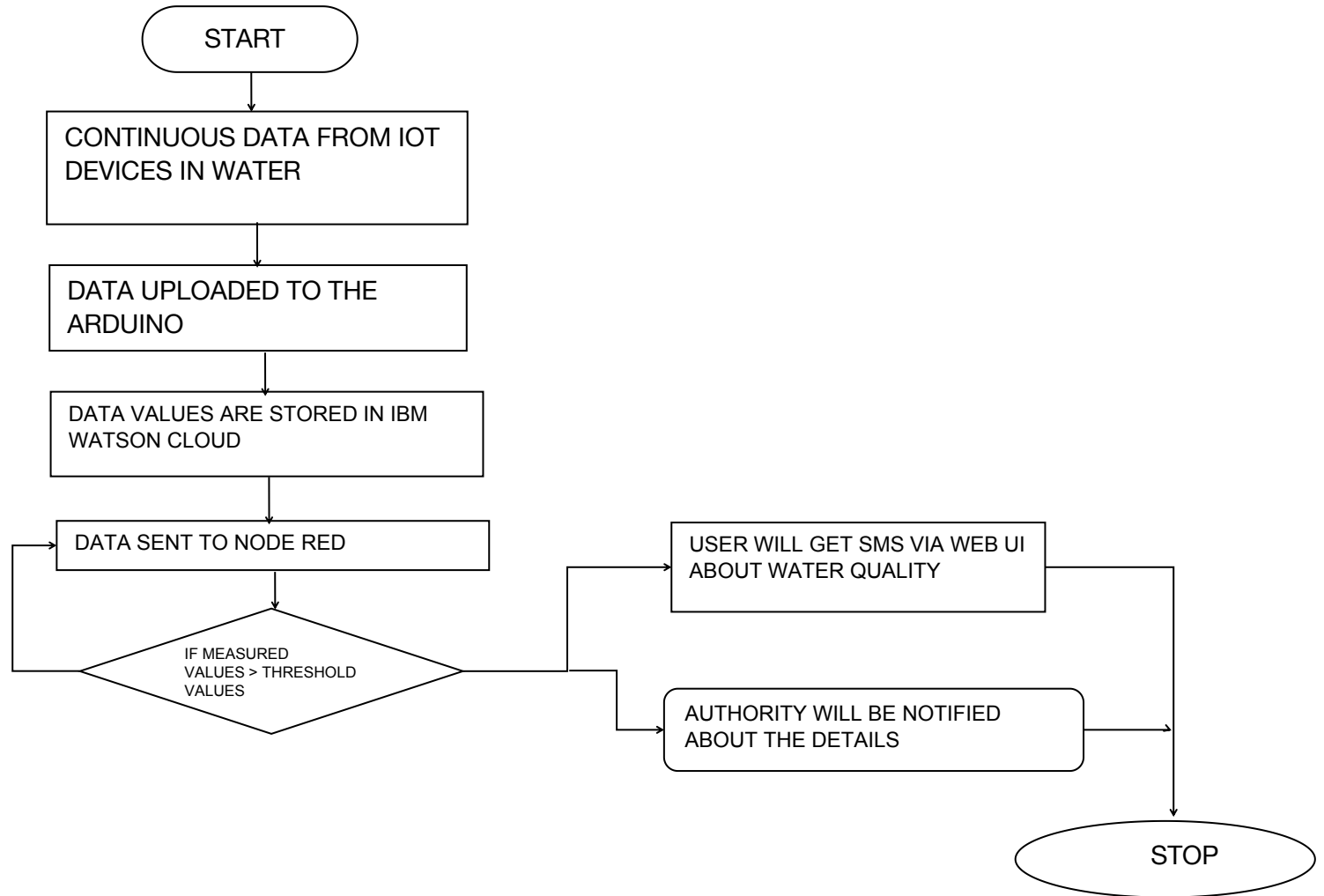
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Team ID: PNT2022TMID19515

Team Members:

1. Harish V - Team Leader
2. Nirmalkumar V S - Team Member
3. Mohammed Adhil H - Team Member
4. Jaisherma J Team - Member

### 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 email and correct user 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 & captcha	I can receive login credentials.	High	Sprint-1
	Interface	USN-6	As a user, the interface should be user-friendly manner	I can able to access easily.	Medium	Sprint-1
Customer (Web user)	Dashboard	USN-7	As a user, I can access the specific info (pH value, temp, conductivity, turbidity).	I can able to know the quality of the water.	High	Sprint-1
Customer Care Executive	View manner	USN-8	As a user, I can view data in visual representation manner(graph)	I can easily understand by visuals.	High	Sprint-1
	Taste	USN-9	As a user, I can able to view the quality(salty) of the water	I can easily know whether it is salty or not	High	Sprint-1
	Colour visibility	USN-10	As a user, I can able to predict the water colour.	I can easily know the condition by colour	High	Sprint-1
Administrator	Risk tolerant	USN-11	An administrator who is handling the system should update and take care of the application.	Admin should monitor the records properly.	Medium	Sprint-2