Project Design Phase-II
Data Flow Diagram & User Stories

Date	15 October 2022
Team ID	PNT2022TMID32705
Project Name	Real Time Water Quality monitoring And Control Systems
Maximum Marks	4 Marks

Data Flow Diagrams:
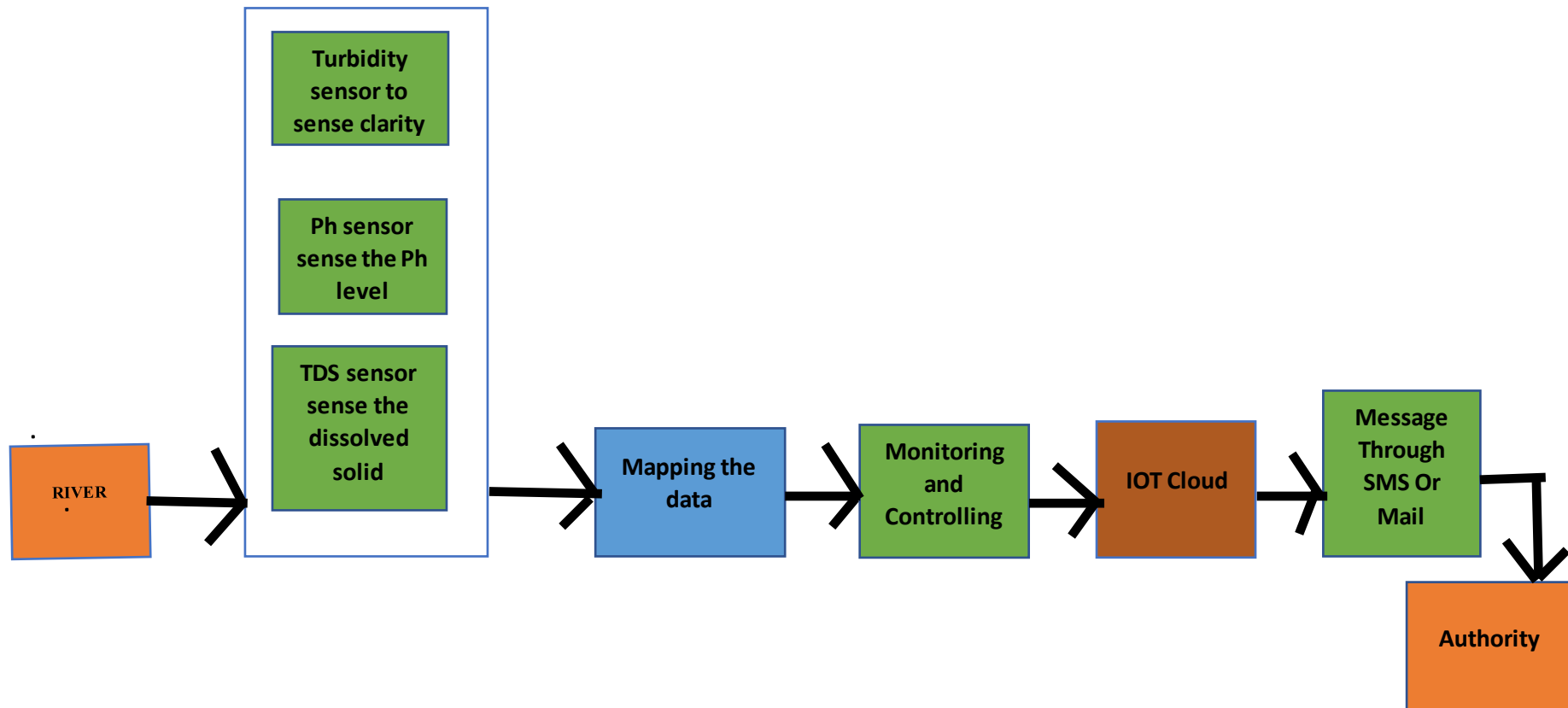
User Stories:

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 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 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 mail	Medium	Sprint-2
	Login	USN-5	As a user, I can log into the application by entering email & password	I can receive login credentials	High	Sprint-1
	Interface	USN-6	As a user,the interface should be user-friendly manner	I can be able to access the webpage easily	Medium	Sprint-2
Customer (Web user)	Dashboard	USN-7	As a user,I can access the information of water like Ph level,Turbidity level,Total dissolved solid,Temperature	I can able to know the quality of water and monitor	High	Sprint-1
Programmer	Creating program for water quality monitoring	USN-8	As a user,I can create program in a user understandable manner	I can create a simple program	Medium	Sprint-2
Customer(Data Input)	View manner	USN-9	As a user,I can view data in a Visual representation manner like graphs,tables	I can easily understand by visual manner	High	Sprint-1
	Taste	USR-10	As a user,i can able to view the quality of water like salty or nor	I can easily know whether it is salty or not	High	Sprint-1
	Color visibility	USR-11	As a user,I can predict the water color	I can easily know the condition by color	High	Sprint-1
	Algae control	USR-12	As a user, I can Monitor the presence of algae in water	I can easily know whether the water contains algae or not and take some preventive measures using ultrasound	High	Sprint-1
Authority	Checks the water alert	USR-13	As a user,I check the quality values of the water that is sent to me	I can make sure that the people in my zone gets quality water and take neccessary actions if required	High	Sprint-1