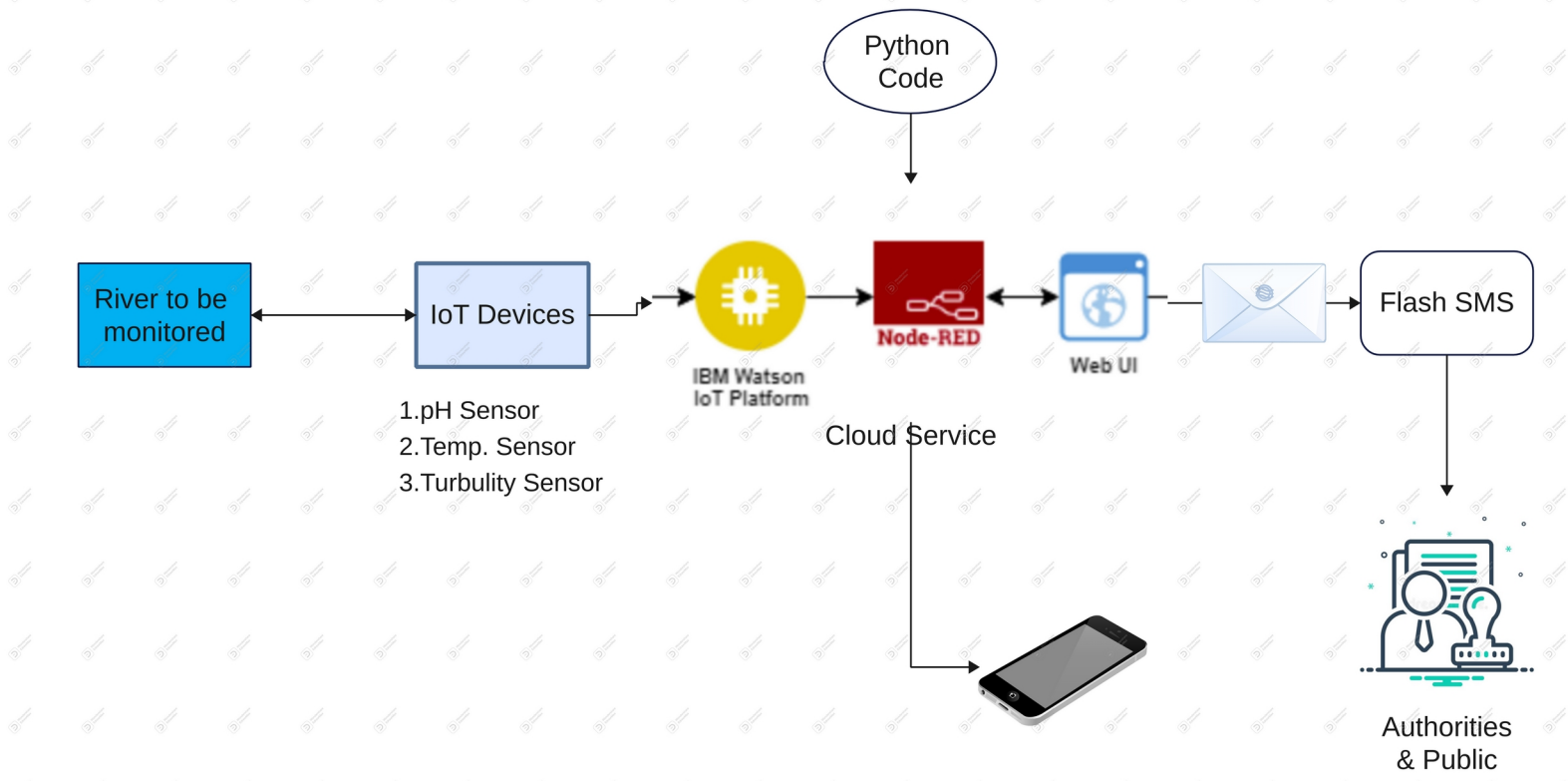
Project Design Phase-II
Data Flow Diagram & User Stories

Date	02 November 2022
Team ID	PNT2022TMID12872
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, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I will receive SMS via mobile about current river status	I can receive alert through sms.	High	Sprint-1
		USN-3	As a user, I can register for the application	I can monitor water quality	Medium	Sprint-2
		USN-4	As a user, I can register for the application through Gmail	I can monitor water quality of river.	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password		High	Sprint-1
	Dashboard		Open dashboard from Mobile app or website	Able to view various parameters	High	Sprint 2
Engineer	Connects the output to cloud	USN 6	Using node red, I can transfer output values remotely	Access data anytime anywhere	HIGH	Sprint 3
	Send alerts to authorities	USN7	Give accurate reaadings and calibrate sensors.	Provide Reliable and accurate data.		Sprint 3
		USN8	Store data in IBM Cloud	Data accessed from anywhere	MEDIUM	Sprint 4
Authorites	Gets Notified	USN9	As a user, I can check the quality of water	Make sure that the water from river is good quality	High	Sprint 4