

## Project Design Phase-I Solution Architecture

Date	1 November 2022
Team ID	PNT2022TMID12872
Project Name	Project - Real-Time River Water Quality Monitoring and Control System
Maximum Marks	4 Marks

### Solution Architecture:

The proposed system will be able to send real time data to authorities through a mobile application or sms about the current status of river. The IoT Devices will be able to continuously sense various parameters of River like pH, Temperature and turbidity of water and send them to cloud services. If any of the parameter is beyond a set point, the authorities will be notified through sms and mobile application. The additional use of mobile application is because SMS is not as stable as the use of internet.

### Solution Architecture Diagram

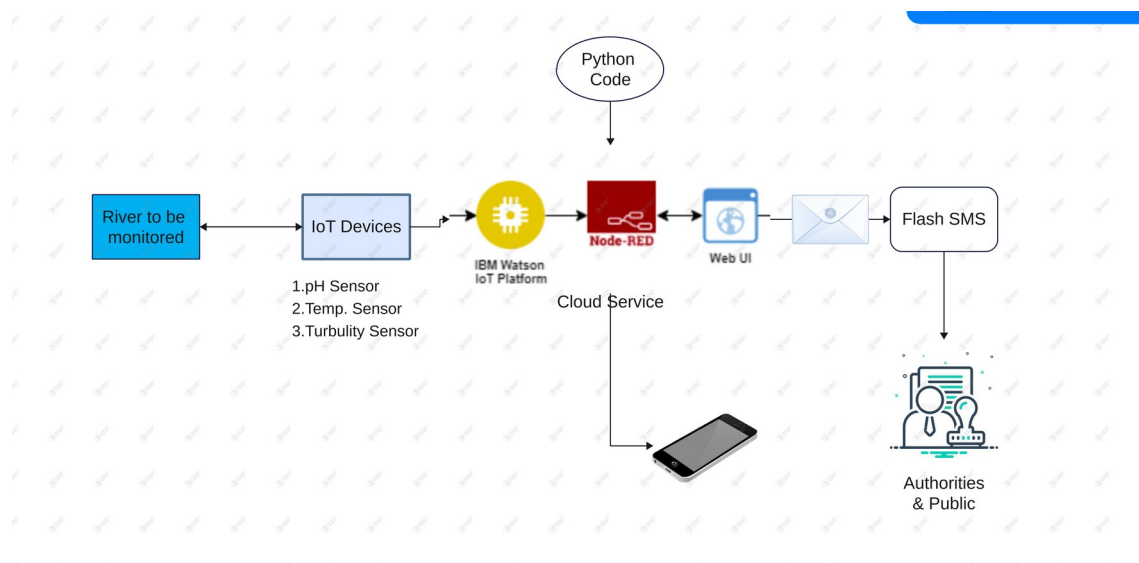


Figure 1: Architecture and data flow of the Real time River Water quality monitoring system