Project Design Phase-I
Solution Architecture

Date	24 October 2022
Team ID	PNT2022TMID52011
Project Name	Project -REAL TIME RIVER WATER MONITORING AND CONTROL SYSTEM
Maximum Marks	4 Marks

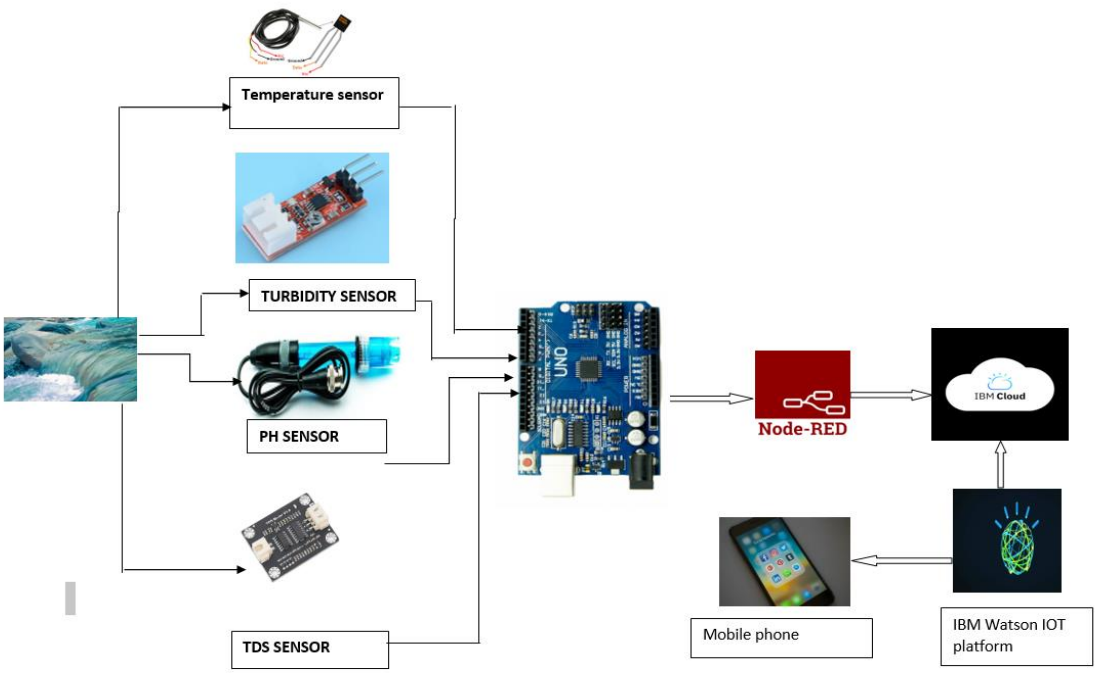
Solution Architecture:

- The best solution to monitor the water quality with the help of IOT, where different sensors are deployed to detect the various parameters like PH, turbidity, temperature, etc.. so that it can be utilides for agriculture, drinking ..

- Here software utilised here was Python IDLE. IDLE is the standard Python development environment. It stands for "Integrated DeveLopment Environment". It is a easy, human readable language with lot of libraries.

- Efficient to use and has simple monitoring system. Mobile application is secured with firewalls protection. Real time sensor output values with future predicted data storage. 98% efficient monitoring output. Assurance for aquaculture safety

- Temperature sensor-DS18B20,liquid PH Sensor, turbidity sensor- DfRobot ,Arduino UNO.



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Solution Architecture Diagram: