Project Design Phase-I Solution Architecture

Date	30 September 2022
Team ID	PNT2022TMID32705
Project Name	Real time River Water Quality Monitoring And
	Control System
Maximum Marks	4 Marks

Solution Architecture:

Our Aim is to develop a system for continous monitoring of river water quality at remote places using WSN with low cost and more accuracy.

- 1. To measure the parameters such as PH, Turbidity, Total dissolved solid and temperature using sensor.
- 2. Assemble the data from all the sensor and send it to base station using ESP32.
- 3. Integrate all the data from software then give it to MPC Buoy(mobile app)and measure the quality of water.
- 4. Send SMS to an authorized person when water quality detected not match the preset standards.
- 5. The Data aggregator can retrieve the analysis result and transfer to app running on laptops, mobile phones in IOT cloud.

