LITERATURE SURVEY

Date	19 September 2022
Team ID	**PNT2022TMID47600**
Project Name	**Real-Time River Water Quality Monitoring and Control System**

TITLE	AUTHOR	DATE	PUBLICATION	PROGRESS/PROS/CONS
Real Time Water Quality Monitorn g System	**MithilaBarab de ,ShrutiDanve**	**6, June 2015**	https://www.researchgate.net	1. To obtain the water monitoring system with high frequency, high mobility, and low powered. 2. Another important fact of this system is the easy installation of the system that is the base station can be placed at the local residence close to the target area and the monitoring task can be done by any person with very less training at the beginning of the system installation. 3. Water pollution can be easily detected by this system, which will help in controlling it.
Internet of things enabled real time water quality monitori ng system	**C S. Geetha and S.Gouthami**	**27, July 2017**	https://link.springer.com	1. power efficient, simpler solution for in-pipe water quality monitoring based on Internet of Things technology is presented. 2. system also provides an alert to a remote user, when there is a deviation of water quality parameters from the pre-defined set of standard values. 3. Turbidity is a measure of cloudiness in the water. But only theOpto electronic devices such as LDR and LED are used to measure the turbidity.

EIoT-Based Water Management Systems: Survey and Future Research Direction	**Sherenismai, DianaW.Daoud,NadhemIsmai,Ronald Marsh and Alis.Alshami**	**31,March 2022**	https://ieeexplore.ieee.org.	1. Infrastructure and equipment conditions monitoring to predict any upcoming failures, leakage, tampering, or maintenance needs. 2. This technology can be beneficial in obtaining information, valuable for making business decisions, while a real-time history record can assist in monitoring changes in key physical reservoir parameters 3. This work aims to serve as a motivation for further research concerning IoT-based water management systems designated for oilfield applications.
Real Time Quality Monitoring System for Water in IoT Environment	**DeepthiN1 , Rahul R A1 , Kiran M1 , Aishwarya S1 , PoornaPrajna K M1**	**4, July 2020**	http://www.ijprse.com/	1.Water quality should be monitored properly to certify whether the quality is good or not. 2. In the paper they used the method called data acquisition process for monitoring the quality water. 3.Here in this system , have used Raspberri Pi as the micro controller.
IoT Based Real-time River Water Quality Monitoring System	**Mohammad Salah Uddin Chowdurya, Talha Bin Emranb ,SubhasishGhosha , AbhijitPathaka , Mohd. ManjurAlama ,NurulAbsara , Karl Anderssonc , Mohammad ShahadatHossaind**	**August 19-21, 2019**	https://www.researchgate.net/publication/333642226	1. The main components of Wireless Sensor Network (WSN) include a microcontroller for processing the system, communication system for inter and intra node communication and several sensors. 2. Due to the limitation of the budget, we only focus on measuring the quality of river water parameters. 3.But, This project can be extended into an efficient water management system of a local area.