LITERATURE SURVEY

REAL-TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM

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01) S. Srivastava Study of IoT Based Smart Water Quality Monitoring System

2021 This literature survey work has been conducted in the field of smart water quality parameter monitoring systems to reduce the time required in the traditional approach of water quality monitoring, and for real time monitoring

02) Cheng Zhang, Jian Wu, Jian Cheng Liu

Water quality monitoring system based on Internet of Things
2020 The water environment quality was measured, and water quality problems were pre-warned to prevent further spread of pollution, improve the Scientificity and efficiency of water quality monitoring and management, and provide relevant departments with response strategies and management measures.

03) H. Supriyono, Asmanditya Hibatullah, K.Harismah

Turbidity Monitoring of Freshwater Using Internet of Things Platform 2020 The test results showed that the monitoring system was able to monitor the turbidity level constantly on various conditions, i.e. fresh water without any substance addition and when sedimentation substances were gradually added into the water body

04) Mr. A. P. Roger Rozario,
R. Surya Review of Water Quality Monitoring using Internet of Things(IoT)

The findings show that the system is capable of reading physiochemical parameters and processing, transmitting, and displaying the data, and is shown to work within the accuracy ranges that they were designed for.

05) IoT Based Real-time River Water Quality Monitoring System
Mohammad Salah UddinChowdury, Talha BinEmran
Science Direct – 2018

This paper proposes a sensor-based water quality monitoring system. 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. Real-time data access can be done by using remote monitoring and Internet of Things (IoT) technology.

06) Design and Implementation of Real Time Approach for The Monitoring of Water Quality Parameters

Siti Aishah Binti Makhtar; Norhafizah Binti Burham; Anees Bt Abdul Aziz

Access to safe drinking water is essential to nurturing human life on earth. Polluted air and unsanitary water can cause health problems. Unhygienic water can cause stomach and health-related problems. A specific range of water quality parameters, mainly temperature, pH, total dissolved solids (TDS) and turbidity, can degrade the growth of this bacteria. This presented paperwork is to develop a smart water quality monitoring system using four sensors and an IoT platform to help determine water quality. It is to analyse the parameters of water samples such as tap water, co way water, river water, pond water, and lake water whether these water samples are in the threshold range for drinking or not. The device is initially used to measure pH, turbidity, total dissolved solids (TDS) and temperature, and then sent the information to the microcontroller Arduino Uno.