LITERATURE SURVEY

Real-Time River Water Quality Monitoring and

Control System

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Water Quality Monitoring System Based on IOT

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Water pollution is one of the biggest fears for the green globalization. In order to ensure the safe supply of the drinking water the quality needs to be monitor in real time. In this paper we present a design and development of a low cost system for real time monitoring of the water quality in IOT(internet of things).The system consist of several sensors is used to measuring physical and chemical parameters of the water. The parameters such as temperature, PH, turbidity, flow sensor of the water can be measured.

IOT Based Water Monitoring System

ICIATE - 2017

The quality of water varies from place to place, depending on the condition of the source and the treatment it receives. The traditional method of testing Turbidity, PH & Temperature is to collect samples manually and then send them to laboratory for analysis. However, it has been unable to meet the demands of water quality monitoring today. So a set of monitoring of Turbidity, PH & Temperature of Water quality has been developed. The system consists of Turbidity, PH, water level & Temperature sensor, single-chip microcontroller data acquisition module, information transmission module, monitoring center and other accessories. Turbidity, PH & Temperature of water are automatically detected under the control of single chip microcontroller all day. The single chip gets the data, and then processes and analyzes them.The data will be sent to monitoring center and alert the public at the same time using IOT environment. The proposed paper has realized the automation of water quality monitoring intelligence of data analyzing and networking of information transferring.

IoT Based Low Cost System for Monitoring of Water Quality in Real Time

IRJET – 2018

Now a day's water pollution is one of the biggest fears for the green globalization. To prevent the water pollution, first we have to estimate the water parameters like pH, turbidity, temperature and TDS as the variations in the values of these parameters point towards the presence of pollutants. In this paper we design and develop a low cost system for real time monitoring of the water quality in IoT. At present, water parameters are detected by chemical test or laboratory test, where the testing equipments are stationary and samples are provided to testing equipments. Thus the current water quality monitoring system is a manual system with tedious process and is very time consuming. In order to increase the frequency, the testing equipments can be placed in the water resources and detection of pollution can be made remotely. This paper proposes a Sensor-Based Water Quality Monitoring System which is used for measuring physical and chemical parameters of the water

Communication Systems of Smart Agriculture Based on Wireless Sensor Networks in IoT

As technology develops, major countries have begun to implement the Smart Agriculture system and Internet of Things to facilitate farmers in managing their agricultural land. This study discusses the communication system of Smart Agriculture based on Internet of Things. Data from the sensor will be sent by Wireless Sensor Network to Raspberry Pi and send it to the database server which can then be accessed via the internet using android applications. Android applications can be used to monitor soil pH sensors and moisture.