

LITERATURE SURVEY

Real-Time River Water Quality Monitoring and Control System

Team ID: PNT2022TMID46761

IoT based Water Flood Detection and Early Warning System

M. Chitra and et al

Environmental Science - 2020

At first, a Water Level Detection Sensor, Temperature Sensor and Humidity Sensor are placed near the river to detect the flood in water bodies. The water level detection sensor acts a transmitting unit which is used to detect the water level at the time of the floods. Temperature Sensor and Humidity Sensor are used for measure the live temperature and humidity of the water bodies. Finally the collected information (data) from the water body is transmitted to LCD in order to display on the screen for the end user.

A low cost system for real time water quality monitoring and controlling using IoT

K. Gopavanitha; S. Nagaraju

ICECDS - 1 August 2017

The system consist of physiochemical sensors which can measures the physical and chemical parameters of the water such as Temperature, Turbidity, Conductivity, pH and Flow. By these sensors, water contaminants are detected. Finally the sensed data is visible on the cloud using cloud computing and the flow of the water in the pipeline is controlled through IoT.

Intelligent Quality Control of Shrimp Aquaculture Based On Real-Time System and IoT Using Mobile Device

Yuda Irawan and et al

IJETT-25 April 2021

This research consists of monitoring the pH of the water, monitoring the flow of currents, and monitoring the temperature. This monitoring is very important because it affects the growth and success of cultivating shrimp. In this case, the pH of the water must be kept from 7.5 to 8.5. temperature also affects water quality so that the optimal water temperature for shrimp farming is 28 ° 30 ° C.

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

A. P. Atmaja and et al

Computer Science - 1 July 2021

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.