LITERATURE

Date	26 October 2022
TeamID	PNT2022TMID20975
ProjectName	REAL -TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM
MaximumMarks	2 marks

Literature Survey

AUTHOR	DESCRIPTION	PAPER TITLE	YEAR
Rushikesh Kshirsagar, R.Mudhalwadkar, Saish Kalaskar	This paper presents the idea about low-cost IOT based portable approach for water quality measurements system. Because of its low-cost approach, everyone can afford to use it to determine quality of water. Due to IOT (internet of things), remote measurement is possible.	Design and Development of IoT Based Water Quality Measurement System	2019
N. Vijayakumar, R. Ramya	The parameters such as temperature, PH, turbidity, conductivity, dissolved oxygen of the water can be measured. The measured values from the sensors can be processed by the core controller. The raspberry PI B+ model can be used as a core controller. Finally, the sensor data can be viewed on internet using cloud computing.	The real time monitoring of water quality in IoT environment	2015

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S. Srivastava	smart water quality parameter monitoring system is necessary to reduce the time required in the traditional approach of water quality monitoring, and for real time monitoring. This literature survey work has been conducted in the field of smart water quality parameter monitoring systems. Sensor-based smart water quality parameter monitoring in past some research carried out which is deployed in the water.	Study of IoT Based Smart Water Quality Monitoring System	2021
A. Menon, M. Prabhakar	The proposed Internet of Things (IoT) based System in this paper works on Arduino development board and its sensors for obtaining a real-time cost-effective monitoring system. The data is gathered from each section of the pond at a timed interval for accurate results and sent as a Short Message Service (SMS) using a Global System for Mobile Communications (GSM) module to the culturist's mobile.	IoT-based Automated Pond Water Quality Monitoring System for Aquaculture Farms	2021

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M.Chitra, D. Sadhihskumar, R. Aravindh, M. Murali, R. Vaittilingame	The collected information (data) from the water level sensor and temperature and humidity sensor passed to Thingview Android application in order to find the flow graph level of the water level in the river and temperature, humidity values and sends SMS to the registered contact mobile numbers	IoT based Water Flood Detection and Early Warning System	2020
Dr.Saunthala	In this paper we aim to overcome and fulfil the area of real time water monitoring system over IOT	Real time water quality monitoring system based on IOT	2018
D.Najiyanaj	This paper proposes the continuously senses the value of ph , temperature, and ORP	An IOT based real time monitoring of water quality system	2016
Dr.Geetha	WQM is a cost effective and efficient system designed to monitor drinking water quality with the help of IOT	IOT based real time water quality monitoring system using smart sensor	2020
F. Ungureanu, R. Lupu, A. Stan, I. Craciun, C. Teodosiu	all data should be integrated and visualized by using a Geographical Information System (GIS), the generated database was a special task of this work.	Towards real time monitoring of water quality in river basins.	2010

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Dr .Prasannakumar	Proposed an sensor can be used to monitored Turbidity ,Ph levels and future Improvement monitoring in Oxygen,COD,BOD, Amonia levels	Real-Time Water Quality Monitoring System for Vrishabhavathi River of Bengaluru	2019
S.Geetha S. Gouthami	Proposed on the Water Monitor in Power Efficient,Alert to a remote user in low Cost and Less Complex	Internet of things enabled real time water quality monitoring system	2017
DarkoBabunski AtanaskoTuneski	Proposed on Protection of the natural Water resources is continues monitoring is Completely independent real-time measuring in industrial SCADA	SCADA System for Real-Time Measuring and Evaluations of River Water Quality	2016
BrindaDas P.C.Jain	Proposed on officials can Keep track of the levels of pollution occurring in the water bodies and immediate warnings in Zigbee module transmit in public	Real-Time Water Quality Monitoring System Using Internet of Things	2017

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