

LITERATURE SURVEY

Real Time River Water Quality Monitoring and Control System

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PROBLEM STATEMENT:

- Due to the limited water resources and the endangerment of pollution ,water becomes the immense need of the world.
- The advancement in the modern life style is also one of the reason to the emerging danger of the water borne diseases and water scarcity.
- Thus in order to get rid of diseases and to increase the availability of water we need to monitor the quality as well to implement a control system.
- Using the components of wireless sensors network with the help of IOT a is to be proposed water Quality monitoring system that checks all the quality parameter and provide better performance rate with perfect accurac

S. N O	Title ,Author,Initial year	Concept	Disadv- ntages	Future work
1.	IOT Based Water Monitoring System by Parag Warungase in 2017	The Idea of this paper is to provide a low cost system for real time monitoring of water quality in IOT environment using IOT ,sensor , Microcontroller & Zigbee .	The System is Very less effective due to the limited number of sensor utilization	A Effective System should be designed with all the necessary sensor and wireless technologies .
2.	Water Quality Monitoring System Based on IOT by Vaishnavi V.Daigavane in 2017	The Idea of this paper is to ensure the safe supply of drinking water , the quality needs to be monitors in real time using Sensors ,Arduino Model & WIFI Module	The System has low performance due to increased man power efficiency than machine.	Detecting more parameters for more secure purpose and increasing the parameters by addition of multiple sensors
3.	Smart water quality monitoring system by N Geetha in 2021.	The idea of the paper has proved that the quality of water is verified and the SMS is send to the higher authority by using index term PH sensor and GSM	The system has high complexity and low performance.	To make the circuitury simple and to increase the performance by using latest sensors

		module monitoring pollution		
4.	Real time river water quality monitoring using IOT by Dinak Prasad G Noida in 2017.	This project deals to provide a pollution free environment(water resources) a safe drinking water using Zigbee, GSM and sensors.	Though low cost ,efficient system is produced it lacksin technological advancement.	Still more to increase the technological advancement and to provide access any information and command objects at the touch of fingertips
5.	IoT based Smart Water Quality Monitoring System by Jagadeesh Basavaiah in 2021	To make certain the supply of pure water, the quality of the water should be examined in real-time. Smart solutions for monitoring of water pollution are getting more and more significant these days with innovation in sensors, communication, and Internet of Things (IoT) technology.	Expensive , inefficient utilization of human power.	latest sensors for detecting various other parameters of quality, use wireless communication standards for better communication and IoT to make a better system for water quality monitoring and the water resources can be made safe by immediate response.