

## Real-Time River Water Quality Monitoring and Control System

### Literature Survey

BOOK/JOURNAL	AUTHOR	INFERENCE
Sensor Based Water Quality Monitoring System	Bishwajit Paul	This paper monitors physical and chemical water parameters such as temperature, turbidity, pH and dissolved oxygen using IoT based sensor networks and quantifies relative value for water level and measured water consumption through flow sensor.
Sensor web for River Water Pollution Monitoring and Alert System	Natasa Marvoic	<p>This paper focuses on using Sensor Web for river water pollution monitoring and alert systems.</p> <p>Sensor web has provided infrastructure for collecting and processing data from distributed and heterogeneous sensors. The River Water Management and Alert System built on this architecture enables access, control and management of river water pollution.</p>
Contaminant Detection Using Multiple Conventional Water Quality Sensors in an Early Warning System	H. Chea, S. Liua	This paper describes a new method for real-time contamination detection using multiple conventional water quality sensors for source water. The proposed method aims to achieve contamination detection by exploring the correlative relationship between responses from multiple sensors for the same type of

		contaminant. The proposed method is tested using data from contaminant dosing experiments in a laboratory.
Detection of Water Pollution and Water Management Using Smart Sensors with IoT	J. Navarajan, B. Aswin kumar, S. venkatesh , T. jayachandran	This research paper focuses on ensuring the safe supply of drinking water. The quality should be monitored in real time for that purpose new approach IoT based water quality monitoring has been proposed. This system consists of some sensors which measure the water quality parameters such as pH, turbidity, conductivity, dissolved oxygen, temperature.
Ground and river water quality monitoring using a smartphone-based pH sensor	Sibasish Dutta, Dhrubajyoti Sarma, Pabitra Nath	This paper demonstrates the working of a relatively inexpensive smartphone-based pH sensor. Using the designed sensor, water quality of ground water and river water is measured. The paper primarily demonstrates the proposed sensing scheme using the camera of the smartphone which eventually turns the sensor into a handheld and relatively inexpensive tool for different in-field applications.