

International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 4, Issue 2, July 2024

## **IoT-based Water Pollution Monitoring Boat**

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**Abstract:** With the global rise in water pollution, the deployment of effective water quality monitoring systems is becoming increasingly critical. Recent advancements in wireless sensor networks (WSNs) and Internet of Things (IoT) technologies have facilitated the development of practical and efficient solutions for this purpose. This study examines the latest progress in smart water pollution monitoring systems, emphasizing their cost-effectiveness and efficiency. The proposed IoT-based system offers continuous monitoring of water quality indicators, leveraging real-time data capture, transmission, and processing to ensure timely and accurate assessments.

Keywords: IoT, Water Pollution, Boat, ARDUINO, Environment, Water quality, Environmental science



