REAL-TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM

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LITERATURE PAPER TITLE	AUTHOR	OBJECTIVE
Real-Time Water Quality Monitoring and Estimation in a IoT for Freshwater Biodiversity Conservation	Yuhao Wang Ivan Wang-Hei Ho Yang Chen	Abstract—Deteriorating water quality leads to the freshwater biodiversity crisis. The interrelationships among water quality parameters and the relationships between these parameters and taxa groups are complicated in affecting biodiversity. Nevertheless, due to the limited types of Internet-of-Things (IoT) sensors available on the market, a large number of chemical and biological parameters still rely on laboratory tests
An Energy-Efficient River Water Pollution Monitoring System in Internet of Things	Swati Chopade , Hari Prabhat Gupta , Rahul Mishra	Abstract—An important research issue in river water pollution monitoring is to correctly estimate and transfer the pollution data from a river to the base station by consuming minimum energy. In this paper, we propose an energy-efficient river water pollution monitoring system by using deep neural networks and long-range communication technology.

IoT Based Real-time River Water Quality Monitoring System	Mohammad Salah Uddin Chowdurya†, Talha Bin Emranb† , Subhasish Ghosha†	Current water quality monitoring system is a manual system with a monotonous process and is very time-consuming. This paper proposes a sensor-based water quality monitoring system. The main components of Wireless Sensor Network (WSN) include a microcontroller for processing the system, communication system for inter and intra node communication and several sensor