

Industrial Waste Water Management System Using IoT

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Abstract: *Industrial waste water management is important for environmental protection and industrial sustainability. Traditional systems do not provide real-time monitoring or quick response to water quality issues. This project presents an **IoT- Based Industrial Waste Water Management System** that continuously monitors parameters such as pH, turbidity, temperature, water level, humidity, and harmful gases using sensors connected to an ESP32 microcontroller. The collected data is transmitted to a cloud-based web application through Wi-Fi, where it is displayed in real time and alerts are generated when values exceed safe limits. The system reduces manual monitoring, improves accuracy, enhances operational efficiency, and provides a reliable and cost-effective solution for industrial waste water management*

Keywords: *Industrial waste water management*

