

Based on IOT Water Quality Monitoring System

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Abstract: *Water is a basic use for all beings, however as growth in population, pollution, and climate change desalinate water a scarce resource, water quality is becoming extremely relevant, especially for individual buildings. These vintage laboratory-based testing regime have become time-consuming, exorbitant, and cannot provide real-time feedback. Water pollution is one of the major threats to green trade liberalization, so it must be managed to preserve its quality. The design and development of a low-cost system that uses the Internet of Things to monitor water quality metrics in real time, specifically for household use, is the topic of this study. The pH, turbidity, flow, and temperature of drinking water are common environmental monitoring parameters (WQMS) that are evaluated in this work.*

Keywords: pH Sensor, Turbidity Sensor, flow sensor, Arduino uno Model, Wi Fi module, IoT water quality.

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