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(57) Abstract :

AquaWatch introduces an advanced method for environmental monitoring by employing Internet of Things (IOT) sensors to assess water quality in lakes, rivers, and reservoirs in real-time. This novel system is designed to offer timely and precise data essential for the detection of pollution and the implementation of effective environmental conservation measures. Through the utilization of IOT technology, AquaWatch ensures continuous monitoring, providing a comprehensive understanding of water conditions. The collected real-time data supports the early identification of pollutants, contributing to proactive conservation efforts. This initiative represents a significant stride towards sustainable water management and the preservation of aquatic ecosystems.

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