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Smart Water Waste Collection System Using Bluetooth Control

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Abstract: *The rapid urbanization and increasing demand for sustainable infrastructure necessitate the development of smart systems for effective wastewater management. This project presents a Smart Wastewater Collection System utilizing Bluetooth technology to enable remote control and monitoring of wastewater collection units.The system is designed to automate the opening and closing of wastewater valves, monitor tank levels in real-time, and alert users when maintenance is required. Using a microcontroller integrated with Bluetooth modules, users can wirelessly operate the system via a mobile application or Bluetooth- enabled device. The primary goals are to reduce manual labor, enhance hygiene, prevent overflow, and ensure timely waste disposal. This solution is cost-effective, energy-efficient, and suitable for both residential and industrial applications. The implementation of such smart systems can significantly contribute to a cleaner and healthier environment.*

Keywords: Waste water, Hygiene

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