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IoT Based Water Monitoring and Conservation System

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Abstract: *An IoT based Water Monitoring and conservation system uses IoT, sensors, and data analytics for efficient water management. It provides real-time water monitoring, water flow rate tracking and leak detection technology. The sensor is used to detect the leakage & send the SMS to authorities. IoT-Water management remote water, access via web and mobile applications enhances control and visibility. Automated water alerts, help in quick issue resolution, reducing water loss and ensuring quality. With the help of Solenoid valve used to water flow within limit. WSMS improves efficiency, reduces manual intervention, and promotes sustainable resource use. It is widely applicable in urban, industrial, apartment and agricultural water distribution systems.*

Keywords: Leakage Detection, Pressure sensor, Solenoid valve, Flow

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