

SMART WATER MANAGEMENT SYSTEM USING IOT

INNOVATIVE SOLUTIONS :

Smart Water Monitoring and Management Systems, based on the combination of sensors, big data and AI technologies, can provide to water utility operators, farmers and companies the ability to measure, monitor and control their water distribution networks as well as the quality of the water distributed.

5 INNOVATIVE STEPS OF SMART WATER MANAGEMENT :

1. Reducing waste of water-intensive industries :

Real-time water metering and other applications such as smart irrigation systems or crop water management systems can help farmers reduce waste while maintaining soil health, improving water conservation, and increasing crop yield.

2. Monitoring water quality to fight pollution and diseases :

Sensors and IoT technology for real-time monitoring and control can help monitor and prevent pollution and even improve the water quality.

3. Improving the efficiency of water systems :

By monitoring the pressure, flow, moisture, temperature, time difference between points and other parameters directly within the systems, the IoT can facilitate maintenance prediction and avoid breakage, leakage, and equipment downtime.

4. Creating awareness of household water use thanks to smart meters :

Individual consumers can now make savings by lowering their water bill while preserving water supplies on a daily basis.

5. Providing running water through innovative solutions all around the world :

People with irregular or low incomes are faced with daily hardships in procuring water.

Project submitted by:

Name: Yogalakshmi K

College code: 7139

Mail id: yyogalakshmi09@gmail.com

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