**SMART WATER**

**MANAGEMENT**

**Problem statement**

Now a days people are not awareness and idea for water management.we are wasting the water every day.To address this issue, we need to develop smart water management solutions that leverage technology and data-driven approaches to optimize water usage, distribution, and conservation.Implement an alerting system that can notify users when the water level reaches critical thresholds. For example, send alerts when the water level is too low or too high.Choose appropriate sensors to measure the water level accurately. These sensors could be ultrasonic, pressure-based, or any other suitable technology.

**Methodology**

We are used to float switches and ultra sonic sensor .the float switches purpose is tank has fulled monitor and also over flow of the tank it will trigger to turn of the motor.the ultra sonic sensor measure the water level in the tank.this system is day to day life’s usage water.

**Hardware**

Float switches

Ultra sonic sensor

IOT board

**Problem solution**

The system should be able to accurately measure and display the level of water in a tank. The purpose of this system is to ensure efficient water management and provide real-time information about the water level to users. Develop smartphone apps and web-based portals that provide users with real-time information on water quality, usage, and conservation tips to raise public awareness and promote responsible water consumption.