

TANK LEVEL INDICATOR AUTOMATION AND INTELLIGENT SYSTEM FOR WASTE WATER MANAGEMENT

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ABSTRACT

Scarcity of water is one of the biggest issues revolving across the globe and water crisis is reaching the alarming level day by day. So, water conservation in one or the other way is gaining a significant importance. Mostly, now a days in urban as well as in rural areas water tank system is available. The biggest disadvantage of this system is the overflow of water from overhead tank and overrunning of water pump. Hence, in this work, it is tried to design an automatic water tank level and pump control system, which ensures several benefits. The sensor devices used in our system detects and controls the water level in the overhead tank and even in the pump. As per the level of water present in the overhead tank, the sensor senses the levels and sends different signals LORA transmitter, then the transmitter sends the signal to the receiver and the signals are used for switching ON and OFF the motor pump automatically as per requirements. The PIC microcontroller is used for controlling the overall process.

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