

# Lora Based Water Management System

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**Abstract:** *In today's world, people gets so busy in their work. So they do not have enough time for doing their all work. Everyone wants to accomplish their work on a fingertip. So, with the increase in the living standards, there is an immediate need for developing circuits that would change the complexity of life to simplicity, the demand for the resources also gets increased. Food and water are the very essential resources. Water is very needful for the daily uses. Most part of the earth is covered with water, but less amount of that is useful. So it is very important to save the water without wasting it. This automated device is designed to reduce the wastage of water as well as electricity. When the water tank gets full then the water pump get automatically off and this automation is done using Lora. The sensor is present in the water tank. When the water level touches the sensor then the water pump gets automatically off. So, there is no need to go at that place for switching activities. This device is beneficial for the people who live in flat system or building because for the switching activities of the water pump, always they have to come to the ground floor. This is very time consuming process and exhausting also.*

**Keywords:** LORA (Long Range), Water, Pump, Far-Distance, Auto mode, Manual mode

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