

Water Pump Controller using Internet of Things Theft Detection in Shopping Cart using IR Sensor

Ms Shital Prakash Wasade, Ms Sharayu Vinay Suryakar, Mr Aashutosh Ravi Mulankar

Mr Saurabh Pramod Kale, Mr Tejas Ashokrao Randhe

Department of Electronic and Telecommunication Engineering

P. R. Pote Patil College of Engineering & Management, Amravati, India

Abstract: *In today's world, people get 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. And with the increasing population, the demand for the resources also get increased. Food and water are the very essential resource es. 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 get full then the water pump get automatically off and this automation is done using IoT. The sensor is present in the water tank. When the water level touches the sensor then the water pump get 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: IOT Webpages (Internet of Things), Node MCU (Microcontroller Unit), Water, Pump, Far-Distance

REFERENCES

- [1]. G. V. S. K. S. Peddamallu Jaya Prakash Reddy, "IoT based Smart Water Pump Switch," in 2021 2nd International Conference on Intelligent Engineering and Management (ICIEM), Phagwara, 2021.
- [2]. a. M. F. A.-R. I. a. A. F. A.-R. I. a. O. R. M. E. Karar1, "IoT and Neural Network-Based Water Pumping Control System For Smart Irrigation," Information Sciences Letters an International Journal, p. 6, 2020.
- [3]. R A. N. R. L. Steven Sachio1, "IoT Based Water Level Control System," in The 2018 Technology Innovation Management and Engineering Science International Conference (TIMES-iCON2018), Petra, 2018.
- [4]. M. S. G. P. a. J. Malakar, "AUTOMATIC WATER TANK LEVEL AND PUMP CONTROL SYSTEM," in Proceedings of the International Conference on Intelligent Computing and Control Systems (ICICCS 2019), 2019.
- [5]. M. M. Hasan1, "Automatic Water Pump Controller and Water Level Detector with Microcontroller IC," International Research Journal of Engineering and Technology (IRJET) , p. 4, 2020.
- [6]. A. N. R. L. Steven Sachio, "IoT Based Water Level Control System," in The 2018 Technology Innovation Management and Engineering Science International Conference (TIMES-iCON2018), Petra, 2018.