

Smart Water Management for Home and Corporate System using Arduino

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Abstract: *In India, there are 29% industries and 36% of farmers. We know that about 2.5% of the water on Earth is useable, despite the fact that a significant amount of water is utilised for several purposes. Water is a natural resource, yet there is a limited supply of usable water. It is up to us to keep it alive. We frequently witness massive water and power waste in households, large businesses, and municipal agencies. Today, energy plays a significant role in our daily lives, thus it is our responsibility to save and cut back on our usage. As a result, we will be able to cut down on both water and power waste. This will be helpful in the future when there is a scarcity of water and electricity.*

Keywords: Saving, Reduce wastage

REFERENCES

- [1]. "Experimental Investigation of Remote Control via Android smart phone of Arduino based Automated Irrigation system Moisture sensor", by A.N. Arvindan & Keerthika. D
- [2]. "Arduino UNO based smart irrigation using GSM Module, Soil Moisture sensor, Sun tracking system & inverter", by Chandidas Karmokar, Jakaria Hasan, Shaikhul Arefin Khan & Md. Ibrahim Ibne Alam.
- [3]. "Automatic Water Supply Control System of Graded Constant Pressure by Variable Frequency Speed & its Application to Pipeline Irrigation", by HE Wu-quan, CAI Mingke, Wang Yu-bao & WANG Xiao-Jian.
- [4]. "Study on Precision Water-Saving Irrigation Automatic Control Systems by Plant Physiology", by Yandong Zhao, Jinfeng Guan, Weilum Yin & Junfu Zhang.
- [5]. The IEEE website. [Online]. Available: <http://www.ieee.org/>
- [6]. www.wikipedia.org