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Smart Agricultural Irrigation System Using IoT

Sayyed Tayyaba[1], Nishtha Bahoriya[2], Afreen Khan[3], Sameer Shah[4], Dr. S. M. Ali[5]
Students, Department of Electronics and Telecommunication Engineering[1234]
Professor & Principal, Department of Electronics and Telecommunication Engineering[5]
Anjuman College of Engineering and Technology, Sadar Nagpur, Maharashtra
sayyedtayyaba12@gmail.com[1], nishthabahoriya2320@gmail.com[2],
afreenkhan1234567891@gmail.com[3], sameershah9975@gmail.com[4], smali@anjumanengg.edu.in[5]

Abstract: *Smart Agricultural Systems have advanced rapidly in recent decades. Demonstrate the importance of agriculture over the world. Indeed, in India, over 70% of the population is reliant on the critical agricultural industry. Irrigation systems in the past relied on mills to water the land using traditional ways without knowing the proper quantities of these crops. Automation over here is the process of turning on and off an irrigation system automatically. All data may be accessed at any time and monitored remotely using a mobile device. This benefit may be utilized to keep track of and regulate many plant and agricultural factors. The suggested solution is intended to address this issue by automating the system while also ensuring portability. The system can detect moisture, temperature, and humidity levels and take appropriate action. In this paper, the UI i.e., User Interface has also been explained which is the BLYNK app.*

Keywords: IOT, Agriculture, App, DHT11, Moisture Sensor, MQTT Protocol

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