## IJARSCT



International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 3, Issue 16, May 2023

## Smart Farming System Using IoT for Efficient Crop Growth

Mr. Sharana Baasavaraj, Mr.Santhosh Mugali, M. Raghavendra, B. Nagabharath, Vamshi Krishna Reddy. C, Harshitha. R. B

Department of Electronics & Communication

Rao Bahadur Y Mahabaleswarappa Engineering College, Bellary, Karnataka, India Visvesvaraya Technological University, Belgavi, Ballari, India

**Abstract:** The main aim of the smart farming system using IOT for efficient crop growth project is to develop technique in agriculture automation to flourish and deliver its full potential. This system designed by using Arduino microcontroller to overcome limitations of agriculture farming about supplying of water.

Keywords: blynk app, Node MCU, LDR

## REFERENCES

[1] Himavamshi, Yamini R and Vishnu Chaithanya Reddy K SRM Institute Of Science And Technology, Chennai, Tamil Nadu

[2] Abhishek D. et al., "Estimates for World Population and Global Food Availability for Global Health", Book chapter, The Role of Functional Food Security in Global Health, 2019, Pages 3-24. Elder M., Hayashi S., "A Regional Perspective on Biofuels in Asia", in Biofuels and Sustainability, Science for Sustainable Societies, Springer, 2018.

[3] Beza Negash Getu, Hussain A. Attia, "Automatic Control of Agricultural Pumps Based on Soil Moisture Sensing", IEEE conference publication, 2015.

[4] Joaquín Gutiérrez, Juan Francisco Villa-Medina, Alejandra Nieto- Garibay and Miguel Angel Porta-Gadara, "Automated Irrigation System Using a Wireless Sensor Network and GPRS Module", IEEE Transaction on Instrumentation and Measurement, Vol.63, No.1, January2014.

[5] Patil K. A, N. R. Kale, "A Model for Smart Agriculture Using IoT", International Conference on Global Trends in Signal Processing, Information Computing and Communication, IEEE 2016.

