Abstract

In India Agriculture plays very important role in the economy. As contribution of agriculture to total domestic product is declining in these days, it is our responsibility to increase crop productivity with efficient and effective water usage and energy consumption. It provides a solution for measurement of environmental parameters like rain, temperature, moisture, and water level. In order to increase agriculture production the basic idea is smart agriculture which can be achieved through smart irrigation. It is need of hour to implement to implements several smart techniques using smart control system. The level of agricultural activities can be improved so as to gain sustainable development so that the needs of future generation can be fulfilled by acquiring smart modes of production and consumption.

References

1. ArindamGiri,SubrataDutta,SarmisthaNeogy, Enabling Agricultural Automation to Optimize
Utilization of Water, Fertilizer and Insecticides by implementing Internet of Things (IoT), 2016 IEEE Haldia India Section International Conference on Electrical, Computer and Electronics Engineering (UPCON) Indian Institute of Technology (Banaras Hindu University) Varanasi, India, Dec 9-11, 2016

2. Kabilan N 1 ,PG Scholar, Dr. M. SenthamilSelvi 2 , Surveillance and Steering of Irrigation System in Cloud using Wireless Sensor Network and Wi-Fi Module, 5TH INTERNATIONAL CONFERENCE ON RECENT TRENDS IN INFORMATION TECHNOLOGY, 2016

3. Rajalakshmi, P, Mrs. S. Devi Mahalakshmi IOT Based Crop-Field Monitoring And Irrigation Automation, 2016 IEEE.


16. M. Bertocco, G. Gamba, A. Sona, and S. Vitturi, “Experimental characterization of


**Index Terms**

- Computer Science
- Automated Systems

**Keywords**

- Internet of things
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- Sensors