Abstract

Smart precision based agriculture makes use of wireless sensor networks to monitor the agricultural environment. Zigbee and raspberry pi-based agriculture monitoring system serves as a reliable and efficient method for monitoring agricultural parameters. Wireless monitoring of field not only allows user to reduce the human power, but it also allows user to see accurate changes in it. It focuses on developing devices and tools to manage, display and alert the users using the advantages of a wireless sensor network system. A smart system based on precision agriculture would pave the way to a new revolution in agriculture. The user can monitor the agriculture environment from a remote location, thus providing a greenhouse condition for the plants. India being an agro based economy; precision agriculture can bring about an improvement in the primitive methods, thus developing the country stature hugely.

References

1. Kwang-il Hwang, Jeongsik In, NhoKyung Park, Doo-seop Eom: “A Design and
Implementation of Wireless Sensor Gateway for Efficient Querying and Managing through World Wide Web*

2. Sirisha D1, B Venkateswaramma2, M Srikanth3 and A Anil Babu4 1 (Asst.Prof, ECE, Brindavan Institute of Technology & Science, Kurnool 518001, Andhra Pradesh, India)
234(ECE, Brindavan Institute of Technology & Science, Kurnool 518001, Andhra Pradesh, India):- Wireless Sensor Based Remote Controlled Agriculture Monitoring System Using ZigBee.


4. Prof C. H. Chavan, Mr.P. V.Karande Department of Electronics & Telecommunication Aditya Engineering College Beed, Maharashtra,India:- Wireless Monitoring of Soil Moisture, Temperature & Humidity Using Zigbee in Agriculture.

5. Prabha1 , Tanujabai J.M2 , S. Krupesh3 Assistant professor, Dept. of ECE,BITM, Bellary, Karnataka, India1 PG Student [VLSI & Embedded System] , Dept. of ECE,BITM, Bellary, Karnataka, India2 UG Student [ECE] , Dept. of IT,PDIT College, Karnataka, India3:- Real-Time Atomization of Agricultural Environment for Social Modernization of Indian Agricultural System Using Arm 7.

6. Angel C and Asha S, School of Computing Science and Engineering, VIT University, Chennai, Tamil Nadu:- A smart environment in agricultural irrigation technique.


**Index Terms**

Computer Science Wireless

**Keywords**