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| S.NO | | PAPER | TECHNIQUES | RESULT | | ISSUES | |
| 1 | | A Model for smart Agriculture Using IOT | ZigBee with Wings | A complete real-time and historical environment information, efficient management and of resources | | The technique can achieve convenient wireless connection only within a short-distance. | |
| 2 | | Automated irrigation system using a wireless sensor network and GPRS Module | WSUs AND a WIU BASED ON microcontroller, ZigBee and GPRS technologies | Feasible and cost effective for optimizing water resources for agricultural production | | The investment in electric power supply is expensive | |
| 3 | | An Effective Method for crop monitoring using wireless sensor Network | WSN with GSM technology | Can collect data from location previously inaccessible on a Micro-measurement scale | | Provides only precision values that is not accurate and is not cost efficient | |
| 4 | | Automatic control of agricultural pumps Based on soil moisture sensing | For testing NI MULTISM simulation software is used . DIAC and TRIAC technique. | Achieves proper water management, saves human power and enhances crop or  productivity | | Does not support several water levels and uses old techniques. | |
| 5 | | Real-time automation and monitoring system for modernized agriculture | Bus concept, ZigBee protocols based on IEEE 802.15.4,Hybrid network | Monitoring and control of greenhouse parameter in precision agriculture | | Not energy saving and data fusion , directions are left for future research. | |
| 6 | | Smart Drip Irrigation System using Raspberry pi and Arduino | Raspberry pi, Arduino microcontrollers, Xbee modules. | Automates and regulates the watering without any manual intervention. Sending the emails to the system. | | Failure of any particular part or device is not to be tested manually | |
| 7 | Multidisciplinary Model for smart Agriculture using Internet -of-Things (IOT), Sensors, Cloud – computing, Mobile-computing & Big-Data analysis | | (IOT) , Sensors, Cloud-computing ,Mobile computing ,Big-Data analysis. | | Beneficial for increase in aricultural production and for cost control | | Different soil nutrient sensors are not used |