Zigbee Based Automatic Irrigation System

zigbee and gsm based automated irrigation system, wi fi module and wireless sensor network based automated, zigbee based projects for final year engineering students, design of fuzzy drip irrigation control system based on, raspberry pi based irrigation system by using ijaer, arduino and zigbee based home automation system, automatic irrigation system monitoring by using gprs or zigbee, international journal of engineering trends and technology, design and implementation of automatic irrigation system, automatic irrigation control by using wireless sensor networks, design for irrigation control system based on zigbee, design of fuzzy drip irrigation control system based on, solar powered smart irrigation system, review on automated irrigation system by using wire less, issn 2319 5967 iso 9001 2008 certified international, water saving intelligence irrigation systems design based, zigbee based automated irrigation system, a low cost design amp monitoring of ijaert org, vol 2 issue 12 december 2014 an intelligent and, automatic irrigation system using solar energy, smart irrigation system using fpga based wireless sensor, zigbee based irrigation system for home gardens, automatic irrigation system using soil moisture sensor, review paper based on automatic irrigation system ijaict, environment based irrigation sysytem using wireless technology, zigbee based irrigation system for home gardens ieee, design amp implementation of automatic irrigation system, automatic control of drip irrigation system amp monitoring, wireless irrigation and monitoring system using zigbee and iot, design amp development of zigbee based automatic drip, an intelligent and automated drip irrigation system using, survey on automated irrigation systems using wireless, zigbee based irrigation system for home gardens, irrigation based projects, iot based wsn for irrigation system a review, web based automation of farm irrigation system using, zigbee based irrigation system for home gardens ieee, research article an automatic system design for orchard, smart irrigation system tro india, a low cost design amp monitoring of automatic irrigation, iot based smart irrigation using wireless sensor networks, irrigation management system based on zigbee ijedr org, vol 5 issue 5 may 2016 automated irrigation system, zigbee and gsm based wireless data acquisition system for, wireless automatic irrigation system based iosr journals, community automatic irrigation control system based on zigbeebee based remote control and monitoring system with automated irrigation system is proposed the design represented has advantage of zigbee and gsm technol ogy block daigram senaor mode figure 1 abstract the objective of this paper is to represent the auto mated irrigation system using zigbee and gsm for ag ricultural crop, implementation of automatic irrigation control system using zigbee wireless network and the internet communication system based on wi fi technology in addition a gateway unit handles sensor information triggers actuators and transmits data to a web application for such an environment such as radiation pollution, automatic plant irrigation system with water pump control this is all about zigbee based projects for final year engineering students we hope that you might have got a better understanding of this concept, however in these drip irrigation systems zigbee wireless sensor network is mainly used for collecting soil crop or environmental information providing drip
irrigation decision making information collection and automatic irrigation control integrated system based, raspberry pi based irrigation system by using wireless sensor network and zigbee protocol k nireesha a venkateswara rao m tech department of electronics communication and engineering sri sivani institute of technology chilakapalam andhra pradesh india abstract in this paper an irrigation system using wireless sensor network and raspberry pi, home automation system using zigbee arduino elementz engineers guild pvt ltd registered during 2012 is one of the fastest growing companies in the electronics industry developing futuristic technology and supplying many quality embedded products all over india, automatic irrigation system monitoring by using gprs or zigbee service and zigbee based monitoring and controlled embedded system for irrigation the system works automatically based on the water level in the soil temperature and humidity in the irrigation field by reading from the, module and zigbee wireless network are used to transmit data in remote monitoring system this paper gives a review of remote control and monitoring systems based on existing technologies and a gsm zigbee based remote control and monitoring system with automatic irrigation system is proposed, systems required more human intervention and time consuming so we require modern technology to resolve this problem and support better irrigation management for that we have proposed system which is web based automatic irrigation system using wireless sensor network and embedded linux board, specific wireless zigbee based irrigation control system is a potential solution to optimize yields and maximize water use efficiency block diagram fig block diagram of agricultural irrigation system working soil moisture sensing network is used to monitor the moisture contained in soil, aimed at the shortage water resources and demand for water saving irrigation in our country this paper puts forward an irrigation control system realization method by using wireless sensor network on the basis of zigbee wireless network and then this paper shows the specific implementation details through the preliminary experiments it has been proved that this system can accurately, to this end a design of fuzzy drip irrigation control system based on zigbee wire less sensor network is provided the system consists of low power wireless sensor network node with self composed zigbee network formation avoiding the incon venience of wiring and poor flexibility shortcoming achieving continuous online monitoring of soil, solar powered smart irrigation systems are the answer to the indian farmer this system consists of solar powered water pump along with an automatic water flow control using a moisture sensor it is the proposed solution for the present energy crisis for the indian farmers, monitoring the irrigation system in real time based and for irrigation system system irrigates using gprs system 12 automatic irrigation system control using zigbee and internet thing 13 gprs technique has some disadvantage viz speed distance factor reliability so gprs is not used in our project zigbee also have disadvantage i e low, wsn based closed loop automatic irrigation system deepti bansal s r n reddy department of electronics and communication igit ip university delhi india abtract in last few years remotely monitored embedded system for irrigation purposes have become a new necessity for farmer to save his energy time and money, this paper designed an automatic irrigation system based on zigbee and the system is powered by solar energy it can provide users with an intuitive on site system management platform to complete node
management and data processing functions this paper develops a server side information management system software achieving real time monitoring and remote monitoring alarm by the web and it, zigbee based automated irrigation system villages are the backbone of our nation the farmers strive hard day and night to yield very good results in their farm they know the entire process how to produce a farm when to provide water to the farms etc when it is the time to water the farms they just stop their current works then and there, automatic irrigation system based on zigbee technology dhawan s thakur aditi sharma dileep kumar sharma acet eternal university acet eternal university abstract indian agriculture is dependent on the monsoons which is not a reliable source of water so there is a need for, in this paper the design of a microcontroller based drip irrigation mechanism is proposed which is a real time feedback control system for monitoring and controlling all the activities of drip irrigation system in most of the systems zigbee technology is used low power uses allows longer life, panels and has a duplex communication link based on a automatic irrigation system using solar energy received page page gauri tope abstract the smart irrigation system is developed to optimize water use for agricultural crops the system has a distributed wireless network of soil moisture and, 5 n krishna chaitanya g anand kumar and p aruna kumari zigbee based wireless sensing platform for monitoring agriculture environment international journal of computer applications 0975 8887 volume 83 no 11 december 2013 6 zhiyong lai and yongli dai an irrigation control system based on an fpba 2012 ieee, zigbee based irrigation system for home gardens a r ai ali murad qasaimeh mamoun ai mardinia suresh radder and i a zualkernan department of computer science and engineering american, a low cost automatic irrigation controller driven by soil moisture 3 a practical guide to using soil moisture sensors to control landscape 4 a wireless mon, for automatic irrigation systems irrigate using cellular phone and for power source used solar power 7 arm also used for monitoring the irrigation system in real time based and for irrigation system system irrigates using gprs system 8 automatic irrigation system control using zigbee and internet thing 9, environment based irrigation system using wireless technology ahadit1 aravindkumar2 this paper designs a model of automatic irrigation system which is based on arduino atmega328 temperature and zigbee zigbee is an ieee 802 15 4 based for a suite of high level, zigbee based irrigation system for home gardens abstract single chip microcontrollers equipped with wireless transceivers are gaining popularity in smart home automation because of their built in resources low power consumption size affordability and durability research and development professionals are seizing the opportunity to design, and during periods of inadequate rainfall the automatic irrigation system is a machine based system which automates the irrigation of land by combining microcontroller sensors various software hardware and latest wireless communication technology approaches together for field irrigation, automatic irrigation of drip irrigation system amp monitoring of soil by wireless www iosrjournals org 58 page of the crop could prevent water stress and improve the crop yield 10 5 sensorbased irrigation systems have, cost to overcome these challenges we used the wireless irrigation system using the zigbee and iot hence the introduced system has numerous adaptability by using of wi fi technology to interconnect the distributed sensor nodes hence we have to use
the gsm to operate the system automatic from anywhere like mobile device, inspiring guidance towards the research paper titled design and development of zigbee based automatic drip irrigation system also i would like to thank my family friends and the almighty god without whom i would have not completed this paper references 1 na pang zigbee mesh network for greenhouse monitoring proceedings of, 2 4 design of embedded systems for the automation of drip irrigation in this paper the design of a microcontroller based drip irrigation mechanism is proposed which is a real time feedback control system for monitoring and controlling all the activities of drip irrigation system in most of the systems zigbee technology is used, irrigation using remotely monitored embedded system zigbee or hotspot using wireless sensor networks particularly for drip irrigation and a micro controller based optimization that uses cellular internet interface which allows data inspection and irrigation scheduling to be programmed through web page, zigbee based irrigation system for home gardens zigbee based irrigation system for home gardens is developed for providing a labor less garden management system irrigation is one of the major job that is performed for maintaining a beautiful garden environment, automatic plant irrigation sys automatic irrigation system automatic intelligent plant watering system arm lpc2148 processor based irrigation control application and evaluation of high power zigbee based wireless sensor network in water irrigation control monitoring system ieee 2010 agriculture motor control using mobile a wireless design, following are the various types of irrigation system using wsn technology commands to computer to control drip irrigation system here automated irrigation system using zigbee gsm this work reviews some of the existing or proposed systems based on the different technologies the main objective, proposed system which is a web based automatic irrigation system using wireless sensor network and embedded linux board the wireless sensor network creates the networks of multiple devices having the capable of computation communication and sensing it provides bridge between the real physical world and virtual worlds and having a wide, the master station has an embedded fuzzy logic irrigation algorithm to water the grass and trees based on a set of rules a home web server is interfaced with the master station for remote access monitoring and operation the proposed system can be operated as a stand alone unit or can be integrated with existing home automation systems, an automatic system design for orchard irrigation based on stm32 and zigbee technology weizhong jiang and xi xie school of electrical and information jinan university zhuhai 519070 china abstract this study designs an intelligent system which can achieve automatic irrigation for orchard by wireless manner, link based on a cellular internet interface that based from features of zigbee firmware automatic route discoveries are performed by the xbee series 2 which can create a self healing network for the routers which are fully function the smart irrigation system implemented is, a low cost design amp monitoring of automatic irrigation system based on zigbee technology article pdf available in international journal of engineering and technical research 2 6 april 2013, a zigbee based automatic irrigation system is to save water time energy and money of farmers in rural india this system is a direct application of the concept of internet of things, irrigation management system ims the proposed irrigation system is used for controlling irrigation schedules of various crops the irrigation schedule is based on
temperature air humidity and soil moisture values obtained from sensor nodes deployed at different locations in the field, this system uses a wired communication network to control the valves of the drip irrigation system. Proposed an automatic irrigation system using Zigbee and WSN to make effective utilization of water resources for agriculture. It consists of distributed wireless sensor system consisting of soil moisture and temperature sensors fixed. The main aim of this system is to design a Zigbee and GSM based wireless data acquisition system for the agricultural area which is based on low power low cost Zigbee and GSM wireless communication technology. It will also help to generate automatic irrigation system to irrigate farming field. The data is sensed by wireless sensor nodes and transfer to the farmers using Zigbee and GSM, remote control and monitoring systems based on existing technologies and a GSM Zigbee based remote control and monitoring system with automatic irrigation system is proposed here. The design presented has the advantage of both GSM and Zigbee technology. This paper describes a community automatic irrigation control system based on Zigbee aiming at the shortcomings of existing community plant irrigation and the characteristics of the community the green space of the community is divided into a plurality of irrigation area each irrigation area and main control module adopts distributed structure network using Ti CC2530 as the core processor of Zigbee and GSM based Automated Irrigation System.

April 17th, 2019 - BEE based remote control and monitoring system with automated irrigation system is proposed. The design represented has advantage of Zigbee and GSM technology. BLOCK DIAGRAM SENAOR MODE Figure 1 Abstract. The objective of this paper is to represent the automated irrigation system using ZIGBEE and GSM for agricultural crop.

Wi Fi Module and Wireless Sensor Network Based Automated

April 15th, 2019 - Implementation of automatic irrigation control system using ZigBee wireless network and the internet communication system based on Wi Fi technology. In addition a gateway unit handles sensor information, triggers actuators and transmits data to a web application. For such an environment such as radiation pollution.

Zigbee Based Projects for Final Year Engineering Students

April 21st, 2019 - Automatic Plant Irrigation System with Water Pump Control. This is all about Zigbee based projects for final year engineering students. We hope that you might have got a better understanding of this concept.

Design of Fuzzy Drip Irrigation Control System Based on

April 8th, 2019 - However in these drip irrigation systems ZigBee wireless sensor network is mainly used for collecting soil crop or environmental information providing drip irrigation decision making. Information collection and automatic irrigation control integrated system based.

RASPBERRY Pi BASED IRRIGATION SYSTEM BY USING IJAER

April 14th, 2019 - RASPBERRY Pi BASED IRRIGATION SYSTEM BY USING WIRELESS SENSOR NETWORK AND ZIGBEE PROTOCOL. K. Nireesha A Venkateswara Rao M Tech Department Of Electronics Communication and Engineering Sri Sivani Institute Of Technology Chilakapalam Andhra Pradesh India. ABSTRACT. In this paper an
Irrigation system using wireless sensor network and Raspberry Pi

Arduino and ZigBee Based Home automation System
April 18th, 2019 - Home automation system using Zigbee Arduino Elementz Engineers Guild Pvt Ltd registered during 2012 is one of the fastest growing companies in the Electronics Industry developing futuristic technology and supplying many quality embedded products all over India

Automatic Irrigation System Monitoring by using GPRS or ZIGBEE
April 15th, 2019 - Automatic Irrigation System Monitoring by using GPRS or ZIGBEE service and ZigBee based monitoring and controlled embedded system for irrigation. The system works automatically based on the water level in the soil temperature and humidity in the irrigation field by reading from the

International Journal of Engineering Trends and Technology
April 13th, 2019 - module and ZigBee wireless network are used to transmit data in remote Monitoring System. This paper gives a review of remote control and monitoring systems based on existing technologies and a GSM ZigBee based remote control and monitoring system with automatic irrigation system is proposed

Design and Implementation of Automatic Irrigation System
April 15th, 2019 - systems required more human intervention and time consuming. So we require modern technology to resolve this problem and support better irrigation management. For that we have proposed system which is Web based automatic irrigation system using wireless sensor network and embedded Linux board

Automatic Irrigation Control by using wireless sensor networks
April 16th, 2019 - specific wireless ZigBee based irrigation control system is a potential solution to optimize yields and maximize water use efficiency. BLOCK DIAGRAM Fig Block diagram of agricultural irrigation system. WORKING Soil moisture sensing network is used to monitor the moisture contained in soil

Design for Irrigation Control System Based on ZigBee
April 17th, 2019 - Aimed at the shortage water resources and demand for water saving irrigation in our country this paper puts forward an irrigation control system realization method by using wireless sensor network on the basis of Zigbee wireless network. And then this paper shows the specific implementation details. Through the preliminary experiments it has been proved that this system can accurately

Design of Fuzzy Drip Irrigation Control System Based on
April 19th, 2019 - To this end a design of fuzzy drip irrigation control system based on ZigBee wire less sensor network is provided. The system consists of low power wireless sensor network node with self composed ZigBee network formation avoiding the inconvenience of wiring and poor flexibility shortcoming achieving continuous online monitoring of soil
**Solar Powered Smart Irrigation System**
April 12th, 2019 – Solar powered smart irrigation systems are the answer to the Indian farmer. This system consists of solar powered water pump along with an automatic water flow control using a moisture sensor. It is the proposed solution for the present energy crisis for the Indian farmers.

**Review on Automated Irrigation System by using Wire less**
April 14th, 2019 – Monitoring the irrigation system in real time based and for irrigation system system irrigates using GPRS system. 12 Automatic irrigation system control using Zigbee and internet thing. 13 GPRS technique has some disadvantage viz speed distance factor reliability so GPRS is not used in our project. Zigbee also have disadvantage i.e. low.

**ISSN 2319 5967 ISO 9001 2008 Certified International**
April 20th, 2019 – WSN Based Closed Loop Automatic Irrigation System Deepti Bansal S R N Reddy Department of Electronics and Communication IGIT IP University Delhi India. Abstract In last few years remotely monitored embedded system for irrigation purposes have become a new necessity for farmer to save his energy time and money.

**Water Saving Intelligence Irrigation Systems Design Based**
April 11th, 2019 – This paper designed an automatic irrigation system based on ZigBee and the system is powered by solar energy. It can provide users with an intuitive on site system management platform to complete node management and data processing functions. This paper develops a server side information management system software achieving real time monitoring and remote monitoring alarm by the Web and it.

**Zigbee Based Automated Irrigation System**
April 11th, 2019 – Zigbee Based Automated Irrigation System. Villages are the backbone of our nation. The farmers strive hard day and night to yield very good results in their farm. They know the entire process how to produce a farm when to provide water to the farms etc. When it is the time to water the farms they just stop their current works then and there.

**A Low Cost Design amp Monitoring Of**
April 19th, 2019 – Automatic Irrigation System Based On Zigbee Technology Dhawan S Thakur Aditi Sharma Dileep Kumar Sharma ACET Eternal University ACET Eternal University Abstract. Indian agriculture is dependent on the monsoons which is not a reliable source of water so there is a need for.

**Vol 2 Issue 12 December 2014 An Intelligent and**
April 22nd, 2019 – In this paper the design of a Microcontroller based drip irrigation mechanism is proposed which is a real time feedback control system for monitoring and controlling all the activities of drip irrigation system. In most of the systems Zigbee technology is used. Low power uses allows longer life.

**AUTOMATIC IRRIGATION SYSTEM USING SOLAR ENERGY**
March 25th, 2019 - panels and has a duplex communication link based on a AUTOMATIC IRRIGATION SYSTEM USING SOLAR ENERGY Received Page page Gauri Tope ABSTRACT Original Research T he smart irrigation system is developed to optimize water use for agricultural crops The system has a distributed wireless network of soil moisture and

**Smart Irrigation System using FPGA based Wireless Sensor**

**ZigBee Based Irrigation System for Home Gardens**
April 22nd, 2019 - ZigBee Based Irrigation System for Home Gardens A R AI Ali Murad Qasaimeh Mamoun AI Mardinia Suresh Radder and I A Zualkernan Department of Computer Science and Engineering American

**Automatic Irrigation System using Soil Moisture Sensor**
April 19th, 2019 - A Low Cost Automatic Irrigation Controller Driven by Soil Moisture 3 A practical guide to using soil moisture sensors to control landscape 4 A Wireless Mon

**REVIEW PAPER BASED ON AUTOMATIC IRRIGATION SYSTEM IJAICT**
April 22nd, 2019 - For automatic irrigation systems irrigate using cellular phone and for power source used solar power 7 Arm also used for monitoring the irrigation system in real time based and for irrigation system system irrigates using GPRS system 8 Automatic irrigation system control using Zigbee and internet thing 9

**ENVIRONMENT BASED IRRIGATION SYSTEM USING WIRELESS TECHNOLOGY**
April 19th, 2019 - ENVIRONMENT BASED IRRIGATION SYSTEM USING WIRELESS TECHNOLOGY Ahadit1 Aravindkumar2 This paper designs a model of automatic irrigation system which is based on arduino ATMEGA328 Temperature and Zigbee Zigbee is an IEEE 802 15 4 based for a suite of high level

**ZigBee based irrigation system for home gardens IEEE**
December 9th, 2018 - ZigBee based irrigation system for home gardens Abstract Single chip microcontrollers equipped with wireless transceivers are gaining popularity in smart home automation because of their built in resources low power consumption size affordability and durability Research and development professionals are seizing the opportunity to design

**DESIGN amp IMPLEMENTATION OF AUTOMATIC IRRIGATION SYSTEM**
April 20th, 2019 - and during periods of inadequate rainfall The automatic Irrigation System is a machine based system which automates the irrigation of land by combining microcontroller sensors various software hardware and latest wireless communication technology approaches together for field irrigation
Automatic Control of Drip Irrigation System and Monitoring
April 23rd, 2019 - Automatic Irrigation Of Drip Irrigation System and Monitoring Of Soil By Wireless www.iosrjournals.org
Page 58

Page of the crop could prevent water stress and improve the crop yield. 5 Sensor-based irrigation systems have

Wireless Irrigation and Monitoring System using Zigbee and IoT
April 7th, 2019 - cost To overcome these challenges, we used the wireless irrigation system using the zigbee and IoT. Hence, the introduced system has numerous adaptability by using of Wi-Fi technology to interconnect the distributed sensor nodes hence we have to use the GSM to operate the system automatic from anywhere like mobile device.

Design and Development of Zigbee Based Automatic Drip
April 12th, 2019 - inspiring guidance towards the research paper titled ‘Design and Development of Zigbee Based Automatic Drip Irrigation System’. Also, I would like to thank my family, friends and the almighty God, without whom I would have not completed this paper.

REFERENCES

An Intelligent and Automated Drip Irrigation System Using
April 22nd, 2019 - 2 4 Design of embedded systems for the automation of drip irrigation. In this paper, the design of a Microcontroller based drip irrigation mechanism is proposed which is a real-time feedback control system for monitoring and controlling all the activities of drip irrigation system. In most of the systems, Zigbee technology is used.

SURVEY ON AUTOMATED IRRIGATION SYSTEMS USING WIRELESS
April 20th, 2019 - Irrigation using remotely monitored embedded system zigbee or hotspot using wireless sensor networks particularly for drip irrigation and a micro controller based optimization that uses cellular internet interface which allows data inspection and irrigation scheduling to be programmed through web page.

ZigBee based Irrigation System for Home Gardens
April 7th, 2019 - ZigBee based Irrigation System for Home Gardens. ZigBee based Irrigation System for Home Gardens is developed for providing a laborless garden management system. Irrigation is one of the major jobs that is performed for maintaining a beautiful garden environment.

IRRIGATION BASED PROJECTS
April 15th, 2019 - automatic plant irrigation system automatic irrigation system automatic intelligent plant watering system arm lpc2148 processor based irrigation control application and evaluation of high power zigbee based wireless sensor network in water irrigation control monitoring system IEEE 2010 agriculture motor control using mobile a wireless design.

IoT Based WSN for Irrigation System A Review
April 18th, 2019 - Following are the various types of irrigation system using WSN technology commands to computer to control drip irrigation system here.
Automated Irrigation System using ZigBee – GSM This work reviews some of the existing or proposed systems based on the different technologies The main objective

Web Based Automation of Farm Irrigation System Using
April 17th, 2019 - proposed system which is a Web based automatic irrigation system using wireless sensor network and embedded Linux board The wireless sensor network creates the networks of multiple devices having the capable of computation communication and sensing It provides bridge between the real physical world and virtual worlds and having a wide

ZigBee based irrigation system for home gardens IEEE
June 21st, 2017 - The master station has an embedded fuzzy logic irrigation algorithm to water the grass and trees based on a set of rules A home web server is interfaced with the master station for remote access monitoring and operation The proposed system can be operated as a stand alone unit or can be integrated with existing home automation systems

Research Article An Automatic System Design for Orchard
March 27th, 2019 - An Automatic System Design for Orchard Irrigation Based on STM32 and Zigbee Technology Weizhong Jiang and Xi Xie School of Electrical and Information Jinan University Zhuhai 519070 China Abstract This study designs an intelligent system which can achieve automatic irrigation for orchard by wireless manner

SMART IRRIGATION SYSTEM TRO India
April 22nd, 2019 - link based on a cellular Internet interface that based from features of Zigbee firmware Automatic route discoveries are performed by the XBee Series 2 which can create a self healing network for the routers which are fully function The smart irrigation system implemented is

A Low Cost Design amp Monitoring Of Automatic Irrigation
April 19th, 2019 - A Low Cost Design amp Monitoring Of Automatic Irrigation System Based On ZigBee Technology Article PDF Available in International Journal of Engineering and Technical Research 2 6 · April 2013

IoT based Smart Irrigation using Wireless Sensor Networks
April 11th, 2019 - A ZigBee based automatic irrigation system is to save water time energy and money of farmers in rural India This system is a direct application of the concept of “Internet of Things”

Irrigation Management System Based On Zigbee ijedr org
April 12th, 2019 - Irrigation management system IMS The proposed irrigation system is used for controlling irrigation schedules of various crops The irrigation schedule is based on temperature air humidity and soil moisture values obtained from sensor nodes deployed at different locations in the field

Vol 5 Issue 5 May 2016 Automated Irrigation System
April 17th, 2019 - This system uses a wired communication network to control
the valves of the drip irrigation system 5 Proposed an automatic irrigation system using ZigBee and WSN to make effective utilization of water resources for agriculture. It consists of distributed wireless sensor system consisting of soil moisture and temperature sensors fixed.

**Zigbee and GSM Based Wireless Data Acquisition System for**
April 22nd, 2019 - The main aim of this system is to design a ZigBee and GSM based wireless data acquisition system for the agricultural area which is based on low power low cost ZigBee and GSM wireless communication technology. It will also help to generate automatic irrigation system to irrigate farming field. The data is sensed by wireless sensor nodes and transfer to the farmers using ZigBee and GSM.

**Wireless Automatic Irrigation System Based IOSR Journals**
April 22nd, 2019 - Remote control and monitoring systems based on existing technologies and a GSM ZigBee based remote control and monitoring system with automatic irrigation system is proposed here. The design presented has the advantage of both GSM and ZigBee technology. The sensors and devices.

**Community Automatic Irrigation Control System Based on Zigbee**
March 20th, 2019 - This paper designs a community automatic irrigation control system based on Zigbee aiming at the shortcomings of existing community plant irrigation and the characteristics of the community. The green space of the community is divided into a plurality of irrigation area, each irrigation area and main control module adopts distributed structure network using TIs CC2530 as the core processor of...