

Arduino Based Home Security System Academic Science

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Arduino Based Home Security System

1 INTRODUCTION IJSER

REMOTE MONITORING OF AN ARDUINO BASED HOME AUTOMATION SECURITY SYSTEM Nathan David, Henry Agbo, Greg Ezema, Amalachukwu Abafor Department of Electronic Engineering, University of Nigeria Abstract— Security in the home has become a very important necessity in recent times Development and technology comes with increase in

Arduino Based Home Security System - Semantic Scholar

Arduino, Security System, home security Introduction Over the years, various control systems have been designed to prevent access to unauthorized user The main reason for providing locks for our buildings (home, office, church, school, etc) is for security of our lives and property It is therefore **Arduino UNO and GSM Based Real-Time Home Security ...**

microcontroller etc based home security system have become popular in these days The components which are used for the home security systems are Arduino, GSM, Smart Vault, etc Arduino acts as the brain of the home security system It is an open-source electronics platform based on easy to use hardware and software

Smart Home Automation and Security System using Arduino ...

Smart Home Automation and Security System using Arduino and IOT Siddharth Wadhvani¹, Uday Singh², Prakarsh Singh³, Shraddha Dwivedi⁴ 1234 Student, Dept o EC, IMS Engineering College, Ghaziabad, UP, INDIA Key Words: Arduino, Flex Sensor, Wireless Module, Flame Sensor, Internet of things (IOT) , ThinkSpeak low cost hardware f

A PROJECT REPORT ON Home Security Alarm System Using ...

encouraging and allowing us to present the project on the topic “Home security alarm system using Arduino” at our department premises for the partial fulfillment of the requirements We take this opportunity to thank all our lecturers who have directly or indirectly helped our project

IOT BASED HOME AUTOMATION SYSTEM USING ARDUINO ...

board, arduino wi-fi shield, sensors and home appliances The software system consists of a java based android application also arduino language is used to configure the arduino uno board and the sensors In this system, the components used are arduino uno board, arduino wi-fi shield, sensors(lm35 , LDR)[3] These hardware components are used

HOME AUTOMATION AND SECURITY SYSTEM

Home Automation and Security System based on GSM and Android application implies that whenever a person tries to enter into the house then a SMS will be sent to house owner's mobile phone indicating the presence of some person inside the house and the house owner can take Flowchart of Arduino based home automation system 22

1.0 INTRODUCTION IJSER

based home automation system for remote control of home appliances is designed 11 OVERVIEW OF THE SMART HOME The basic block diagram of the smart home system is shown in figure 1 A micro-controller is used to obtain values of physical conditions through sensors connected to it [4] These integrated sensors such as the temperature IJSER

Home Security System - Cornell University

Home Security System A Cornell University ECE 476 Final Project by Chun-Pai Jimmy Hsieh & Yang Cao [Introduction] [High Level Design] [Program & Hardware] [Result] [Conclusions] [Appendix] Introduction This is a digital home security system with voice feature which can monitor room temperature, smoke, motion, and windows & doors

Intelligent Smart Home Automation and Security System ...

Intelligent Smart Home Automation and Security System Using Arduino and Wi-fi JChandramohan 1 , RNagarajan 2 , KSatheeshkumar 3 , NAjithkumar 4 , PAGopinath 5 ,

HOME AUTOMATION APPLICATION BASED ON ARDUINO ...

Home automation application based on Arduino controllable from mobile 2 1 Introduction In broad strokes, the main points of this project are automation and control, electronic boards and mobile applications and particularly home automation, Arduino boards and Android applications

Home Security System using Internet of Things

to the Internet Home security is a very useful application of IoT and we are using it to create an inexpensive security system for homes as well as industrial use The system will inform the owner about any unauthorized entry or whenever the door is opened by sending a notification to the user After the user gets the notification, he

BLUETOOTH BASED HOME AUTOMATION USING ARDUINO

- To develop a Bluetooth based home automation system with Arduino UNO Board and an Android application
- Remote controlled home automation system provides a simpler solution with Android application technology
- Remote operation is achieved by any smart-phone/Tablet etc, with Android OS, upon a GUI (Graphical User Interface) based touch

Electrical Engineering: An International Journal (EEIJ ...

the architecture and design of wireless, flexible and inexpensive smart home system Using Mega 2560 Arduino Board Platform, we develop an intelligent system able to send real-time video and GSM-based information of a break-in, fire and motion detection, along with an advanced temperature and humidity monitoring system

UNIVERSITY OF NAIROBI DEPARTMENT OF ELECTRICAL AND ...

1 university of nairobi department of electrical and information engineering raspberry pi based security system prj index 156 by: singoee sylvestre sheshai