Microcontroller Based Engineering Project Synopsis

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Microcontroller Based Automatic Cleaning of Solar Panel
Microcontroller Based Automatic Cleaning of Solar Panel S B Halbhavi Department of Electrical & Electronics Engineering Gogte Institute of Technology, Belgaum Karnataka, india S G Kulkarni Department of Electrical & Electronics Engineering Designing the microcontroller's algorithm such that the microcontroller can control the robot in
Study on Automated Car Parking System Based on ...
Study on Automated Car Parking System Based on Microcontroller Mohmmed Ahmed Mohmmed Ahmed Department of Electronic Engineering, Tianjin University of Technology and Education, Tianjin, 300222 Wang Guang Wei The microcontroller used in the project is STC89c52 This part is the heart of the project
“SOLAR BASED MOBILE CHARGER” - KSCST

The solar panel of 12V, 10W is used, the output of which varies based on the intensity of incident light This output is regulated through a control unit and is stored in a battery This battery produces an output of 12V which can be used directly to charge the load A 9V fixed

UNDERGROUND CABLE FAULT DISTANCE LOCATOR

programmed microcontroller would display the same in Kilo metersThe project is assembled with a set of resistors representing cable length in KMs and fault creation is made by a set of switches at every known KM to cross check the accuracy of the same This is proposed model of underground cable fault distance locator using microcontroller It is

SMART HELMET

and Microcontroller 8051 based circuitry is used[2]based on RF link simple working and operation By using RF transmitter and RF receiver, the motorcycle can be moved if it receive signal from the helmet Here our main object is to design the circuit that can improve the safety of motorcyclists

Prepaid Energy Meter with GSM Technology

Engineering, for her valuable suggestions and guidance We would also like to thanks to Mr R Ram Murugesh, Teaching assistant, Department of Instrumentation and Control Engineering, for spending his valuable time with us and for his kind support given to us throughout the project

UNIVERSITY OF NAIROBI

Electrical and Electronic Engineering PROJECT: SMOKE ALARM 1) I understand what plagiarism is and I am aware of the University policy on this regard 2) I declare that this final year project is my original work and has not been This project therefore seeks to design a microcontroller based smoke alarm that

Smart Helmet & Intelligent Bike System

The aim of this project is to make a protection system in a helmet for a good safety of bike rider The smart helmet that we made is fixed with sensors which act as to detect wear helmet or not There are two different microcontroller is used in this project Each unit has used a

Alcohol Detection and Vehicle Controlling

Alcohol Detection and Vehicle Controlling Pratiksha Bhuta, Karan Desai, Archita Keni Guide: Mrs Vijayalakshmi Badre Department Of Electronics and Telecommunications Thadomal Shahani Engineering College, Bandra Mumbai - India ABSTRACT This system is aimed at making vehicle driving safer than before This is implemented using Arduino

Smart Garbage Management System - IJERT Journal

includes Microcontroller Atmel328 This Microcontroller is a high-performance 8-bit AVR RISC-based microcontroller combines 32KB ISP flash memory with read-while-write capabilities, 1KB EEPROM, 2KB SRAM, 23 general purpose I/O lines, 32 general purpose working registers, three flexible

IJSRD - International Journal for Scientific Research ...

of this project is to report on a developed indigenous low cost time based microcontroller based irrigation scheduler who performs user defined functions and output commands to derive appropriate actuators (relay, solenoids valves, motor) In the present work microcontroller based controlled

Fully Automated Solar Grass Cutter - IJSTE JOURNAL

To solve this entire problem try to design a solar power based fully automated solar grass cutter so it is capable of mowing a lawn by itself after having been programmed Fully Automated Solar Grass Cutting device is a device which is cutting the grass by its own through This device reduces both environment and noise pollution

HOME AUTOMATION USING ARDUINO

Several Arduino-compatible products commercially released have avoided the project name by using various names ending in -duino Most Arduino boards consist of an Atmel 8-bit AVR microcontroller (ATmega8, ATmega168, ATmega328, ATmega1280, ATmega2560) with varying amounts of flash memory, pins, and features The 32-bit Arduino Due, based on the

International Journal of Engineering Research and General ...

International Journal of Engineering Research and General Science Volume 4, Issue 2, March- April, 2016 Arduino is an open-source physical platform based on microcontroller board having the ATmega32 series controllers and This Arduino based project will provide a competent method for lighting systems and make the whole process of energy

ISSN No: 2309-4893 International Journal of Advanced ...

software, project and user community that designs and manufactures Microcontroller-based tools for building digital devices and interactive objects that can sense and control the real world The AVR is a Modified Harvard architecture[9]It is a 8-bit RISC based single chip microcontroller which was

IMPLEMENTATION OF IOT IN SMART IRRIGATION SYSTEM ...

Department of Electronics and Communication Engineering, KKR and KSR Institute of Technology and Sciences, Guntur, India ABSTRACT In the proposed Irrigation system IoT is implemented, in this system all the information that are received from the sensors and the various parameters are given to the arduinouno microcontroller as an analog input

Project Report Automated Irrigation System using MSP430 ...

Project Report Automated Irrigation System using MSP430 by Animesh Mathur Ajinkya Fotedar Pavan Kumar Malka Varun Polala Abstract: The motivation for this project came from the countries where economy is based on agriculture and the

Internet of Things for Industrial Monitoring and Control ...

examples such as PLC SCADA based fault detection and protection system is implemented which provides the web based user interface for remote control and monitoring was developed and presented online to usersMonitoring of various industrial parameters based on ZigBee protocol has been implemented to monitor the