Microcontroller Based Engineering Project Synopsis

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Microcontroller Based Engineering Project Synopsis

POWER FACTOR CORRECTION USING MICROCONTROLLER
POWER FACTOR CORRECTION USING MICROCONTROLLER ABIEW FRANCIS WOGBE & KUDZIE KORKU JULIUS ACCRA INSTITUTE OF TECHNOLOGY (AIT) 2012 ACCRA INSTITUTE OF TECHNOLOGY (AIT) SCHOOL OF ENGINEERING AND APPLIED SCIENCE 2 POWER FACTOR CORRECTION USING MICROCONTROLLER ABIEW FRANCIS WOGBE Designing a good …

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

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

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

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 Department of Electronic Engineering, Tianjin University of Technology and Education, Tianjin, 300222 Abstract

“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 & 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

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 …

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

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

IoT Based Smart Garbage and Waste Collection Bin

situations we are going to implement a project called IoT Based Smart Garbage and Waste Collection bins These dustbins are interfaced with microcontroller based system having IR wireless systems along with central system showing current status of garbage, on mobile web browser with html page by Wi-Fi Hence the status will be

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

Project Report Automated Irrigation System using MSP430 by …

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

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

IOT Based Surveillance Robot - IJERT Journal

components used in our project and their specifications and functions are as follows, 1 ARDUINO MICROCONTROLLER: Arduino microcontroller is based on UNO AtMega328 It is used to receive commands sent by the user via the internet and processes according to the code and also used to control the motors Wi-Fi module ESP8266 is also

AUTOMATIC DRUNKEN DRIVE PREVENTION SYSTEM

AUTOMATIC DRUNKEN DRIVE PREVENTION SYSTEM M Kousikan1, M Sundaraj2 Karpagam College of Engineering, India 1yuvarajcbe356@gmailcom Abstract— Driving while either intoxicated or drunk is dangerous and drivers with high blood alcohol content (BAC) are at increased risk of car accidents, highway injuries and vehicular deaths

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

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

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