Microcontroller Based Substation Monitoring And Control

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Microcontroller Based Substation Monitoring And
substation. In the automation, we consider the voltage, current and temperature as the parameters to be monitored as the transformer shows its peak sensitivity for the same. Hence, we design an automation system based on microcontroller which continuously monitors the transformer. Because of the microcontroller

Microcontroller Based Substation Monitoring and Control ...
Microcontroller-Based Substation Monitoring and Control System with GSM Modem This system acquires a remote substation’s parameters like voltage, current, frequency, etc., via GSM network using GSM modem or mobile.

GSM Based Projects for Substation Monitoring and ...
A substation facility is a small building which contains transformers, switches, voltage regulators, and metering equipment that are used to adjust voltages and monitor circuits. A substation is classified as: 1) Transmission 2) Distribution. The distribution side of substation is the major focus of the project.

REMOTE MICROCONTROLLER BASED MONITORING OF SUBSTATION AND ...
Microcontroller Based Substation Monitoring And Control System With Gsm Modem Featuring an industry-standard interface, the SIM300 delivers GSM/GPRS900/1800/1900Mhz performance for voice, SMS, data and Fax in a small form factor and with low power consumption.

Microcontroller Based Substation Monitoring and Control ...
On completion of our project “Substation Monitoring and ontrol using Microcontroller and GSM” we can improve the quality of power transferred and provide uninterrupted power supply. Also real time monitoring of different parameters is done which can provide safety to the substation and its equipments.

Substation Monitoring and Control Using Microcontroller & GSM
https://www.irjet.net/archives/V4/i4/IRJET-V4I478.pdf

Substation Monitoring and Control Using Microcontroller & GSM
PRESENTATION ON MICROCONTROLLER BASED SUBSTATION MONITORING AND CONTROLLING SYSTEM Hasan, Mahmud 13-24213-2 3. ADVANTAGES Remote monitoring to avoid further power loss and time. Whole system can be shut down for quick repairs and re-installations. Low maintenance. Fair efficiency. High accuracy. 4.

Microcontroller based-substation-monitoring-and ...
The following GSM based projects deal with substation monitoring and controlling aspects:- 1.Microcontroller-Based Substation Monitoring and Control System with GSM Modem:- This system acquires a remote substation’s parameters like voltage, current, frequency, etc., via GSM network using GSM modem or mobile.

Power Sector Projects,Substation Data Monitoring System ...
Remote monitoring and controlling of the sub-station equipment is an important issue for the power/energy management department which is normally done manually, or using an expensive PLC and SCADA system.

A smart IoT based system for monitoring and controlling ...
In the control section simply RF receiver, encoder, microcontroller and LCD as shown in fig. 2. The monitored values that are sent by substation are obtained by RF receiver and this one is handled and controlled by microcontroller and it will display on LCD. Fig. 2 Receiving Section 243

MONITORING OF SUBSTATION USING RF BASED DAS IN ELECTRICAL ...
Hence, we design an automation system based on microcontroller which continuously monitors the transformer. Because of the microcontroller operation, the transformer present in the substation which is turned off in the main station. The rest of the paper is structured as follows.

Gsm Based Scada Monitoring And Control System Substation ...
Microcontroller Based Substation Monitoring and Control System with Gsm Modem. The purpose of this project is to acquire the remote electrical parameters like Voltage, Current and Frequency and send these real time values over GSM network using GSM Modem/phone along with temperature at power station. […]

[PDF] Microcontroller Based Substation Monitoring and ...
The project “microcontroller based substation monitoring and control system with iot module ” was designed such that the devices can be monitored using iot module. Integrating features of all the hardware components used have been developed in it. Presence of every module has been reasoned out

6 V May 2018 http://doi.org/10.22214/ijraset.2018
Microcontroller Based Substation Monitoring and Control System with Gsm Modem. In this paper, the authors purpose remote electrical parameters like voltage, current and frequency and send these ...

Microcontroller Based Substation Monitoring and Control ...
This paper is aimed at designing a microcontroller based distribution substation monitoring system that monitors the voltages, current, oil temperature and the moisture content of the silical gel.

Microcontroller Based Substation Monitoring and Control ...
PROPOSED MICROCONTROLLER BASED SYSTEM FOR SUBSTATION MONITORING Distributed transformers are prone to damages due to the raise in oil temperature when there is an overload or huge current flows through the internal winding of the transformer.

An Efficient Monitoring of Substations using ...
The following GSM based project deal with substation monitoring aspects. Here in this project we made a prototype of substation and only one parameter voltage is to be remote monitored. 1. 1x 16×2 parallel LCD display (compatible with Hitachi HD44780 driver) 2. 1x Arduino Board

A project report on Remote Monitoring of a Power Station ...
A Review on an Efficient Monitoring Of Substations Using Microcontroller Based Monitoring System Article (PDF Available) in International Journal of Advanced Trends in Computer Science and ...

(PDF) A Review on an Efficient Monitoring Of Substations ...
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