

## 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

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Microcontroller Based Substation Monitoring and Control ...

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...

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Microcontroller Based Substation Monitoring and Control ...

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.

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REMOTE MICROCONTROLLER BASED MONITORING OF SUBSTATION AND ...

Our project MICROCONTROLLER BASED SUBSTATION MONITORING AND CONTROL SYSTEM WITH GSM MODEM is mainly intended to operate the devices like fans, lights, motors etc..., through a GSM based mobile phone. The system has a GSM modem, temperature, current, voltage sensors and the devices to be operated through the switches like Relay which are interfaced to the micro controller.

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Microcontroller Based Substation Monitoring and Control ...

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.

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Microcontroller based-substation-monitoring-and ...

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.

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GSM Based Projects for Substation Monitoring and ...

<https://www.irjet.net/archives/V4/i4/IRJET-V4I478.pdf>

### Substation Monitoring and Control Using Microcontroller & GSM

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

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6 V May 2018 <http://doi.org/10.22214/ijraset.2018>

To mitigate the mentioned disadvantages, IoT based sub-station monitoring and controlling offers a promising solution with a fully automated system ensuring a greater level of reliability, and thereby increase of the system performance with the efficient use of the equipment.

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A smart IoT based system for monitoring and controlling ...

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.

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Power Sector Projects, Substation Data Monitoring System ...

On completion of our project "Substation Monitoring and control 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.

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Substation Monitoring and Control Using Microcontroller & GSM

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Microcontroller Based Substation Monitoring And Control

'microcontroller based substation monitoring and control may 10th, 2018 - microcontroller based substation monitoring and control temperature at power station microcontroller based substation monitoring and control system with gsm' 'Temperature Controllers Amp PID Controllers May 11th, 2018 - As The Name Implies A Temperature Controller Is An

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Microcontroller Based Substation Monitoring And Control

Receiver and PC display unit We have designed a system based on microcontroller (AVR) that monitors and controls the voltage, current and oil temperature of a distribution transformer present in a substation. The monitored output will be displayed on a PC at the main station that is at a remote place, through RF communication.

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An Efficient Monitoring of Substations using ...

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Microcontroller Based Substation Monitoring And Control

Substation Monitoring and Control System Using Gsm ABSTRACT This project is aimed to design a system which can monitor and control the substation by using a wireless technology called GSM technology. A GSM modem provides the communication interface. It transports device protocols transparently over the network through a serial interface.

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Substation monitoring and control system using gsm

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Microcontroller Based Substation Monitoring And Control

Implementation of GSM based control and monitoring of substations Its an realtime oriented [login to view URL] 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.

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