



# Design and Implementation of Sensor's information Monitoring System Using Wireless Sensor Network

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## Abstract

The aim of this project is to design a wireless sensor network to monitor several sensor values at different nodes and transmits data to the central station when the sensor values are deviated from their respective threshold levels. A central station controls the node with the user commands with respected to the received sensors information from that particular node. A wireless sensor network (WSN) is established with two routers and one coordinator. MSP430 Micro Controller will monitor the sensor parameters send the data to central station, when they are beyond the threshold levels using ZigBee. Central station will continuously monitor the nodes information and displays in PC using turbo C application. If user wants to control the motor operations at particular node, it will transmit a packet to the node to switch on/off the motor. This system is developed to for targeting the low power consumption, low data rate in remote areas.

**Keywords**--msp430 micro controller, wireless sensor network, low power consumption

Full text: <https://sites.google.com/a/ijrit.com/papers/home/V1I11130.pdf>