Abstract

Wireless Sensor networks are used in wide range of applications such as military sensing and tracking, health monitoring, temperature monitoring, and other areas. Security services are critical in sensor networks. This security, enables the sensor nodes to transmit and receive the sensor values over the network, securely. Here, three sensors LM35, MQ6, LDR sensor are used the values are observed and shown in display. The values are transmitted securely using Atmega8L microcontroller and Zigbee module. In our paper, Blowfish algorithm is used which provides high data confidentiality. The proposed system improves the network security compared to the existing algorithm. The proposed system is implemented and simulated using
Proteus software.

References


Index Terms

Computer Science  Wireless Communication
Keywords
Sensor  Microcontroller  Zigbee