A Survey on Various Attacks and Countermeasures in Wireless Sensor Networks

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Abstract

For past few years, more interest has been focused on Wireless Sensor Networks (WSN) due to its wide range of applications in various fields. The WSNs are mainly used for sensing the pollution, monitoring the traffic; secure homeland, hospitals, military etc. There are possibilities of attacks in Wireless Sensor networks. Due to these attacks, there is possibility of loss of information. To avoid the data loss and for secure transmission of data, several countermeasures have been introduced. The main focus of this paper is to provide a detailed survey on various attacks and the countermeasures employed to safeguard the network from malicious attacks.

References


Index Terms

Computer Science Wireless
Keywords

Wireless Sensor Networks, Network attacks, Security challenges, Secure routing protocols