A Mitigation Approach to Protect Wireless Sensor Networks over Vampire Attack

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Abstract

Wireless sensor network is collection of sensor nodes deployed with the aims to sense and process particular attributes. It is kind of wireless network uses radio communication technique for transmission purpose. Sensor nodes integrate several different component such memory, battery, sensor, processing unit etc. Wide range of applications makes it popular among the users and researchers are acquiring it as the research domain. This paper aims to explore the issues in sensor networks and proposed a methodology to overcome the same. Vampire attack is one of severe security threat attacks on the energy of sensor node aims to degrade the life and make it into dying condition. This research paper implements a mechanism to detect and mitigate the impact of sensor networks. The complete solution is implemented using NS-2.35 simulator and evaluated on basis of Throughput and Energy Consumption.

References

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Index Terms

Computer Science Security

Keywords

Vampire Attack, WSN, AODV