Abstract

Wireless sensor network is an emerging area of research due to vulnerability of sensing information from not approachable areas. In WSN sensor nodes have been deployed for sensing information and transmit this information to base station so that various decisions can be developed. In the processing of WSN data aggregation and energy consumption are major issues. In this paper a new approach has been purposed for data management and energy consumption reduction using dynamic clustering and avoidance of redundant information transmission over the network. This approach use check sum approach for data redundancy checking and discard redundant or repeated information. This approach provides better results than previous approaches.

References

1. Qiuling Tang; Changyin Sun; Huan Wen; Ye Liang “Cross-layer energy efficiency analysis and optimization in WSN”IEEE conference on Networking, Sensing and Control (ICNSC), 2010,
Data Aggregation and Life Time Improvement in wireless Sensor Networks using Dynamic Clustering

pp. 138 – 142.


Index Terms

Computer Science

Wireless

Keywords

Energy optimization, WSN, data sensing, clusters.