Abstract

Wireless sensor network is collection of nodes organized in cooperative network. Due to unbalanced task allocation in WSN results in overloading and under loading of nodes. By keeping in mind parameters such as topology, number of nodes, delay, data traffic, transmission, energy consumption and packet distribution, load balancing can be achieved and congestion can be avoided. The multipath routing and shortest path selection decision in network layer has an important impact on the performance of wireless sensor network. So, load balancing is of great important in WSN. This paper focus on selection strategies for managing load among n number of available nodes. The main objective of this paper is to analyze existing scheme for load balancing in WSN.

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**Index Terms**

Computer Science

Wireless

**Keywords**

Load balancing, wireless sensor network, multipath routing, and cluster