Enhanced M-Gear Protocol for Lifetime Enhancement in Wireless Clustering System

Abstract

Due to the presence of radio the nodes can transfer data directly to the sink node but if radio stops its working there will be a huge waste of energy. Now days, a protocol named GEAR is used for routing in WSN. GEAR is an energy efficient protocol which is used for the routing purpose in WSN. Traditionally various protocols like LEACH were proposed but very not that much efficient. After that the concept of the gateway nodes were introduced but one gateway node was unable to handle such large amount of data. The energy consumption of the network was more and the lifetime of network was less so a new approach is proposed. In this paper the advancement in the MGEAR protocol is presented from the result obtained it is concluded that the proposed algorithm is much better and efficient than the traditional algorithm. The energy consumption of the nodes present in the network is less and the life time of the network is more.

References

protocol for wireless sensor networks


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Index Terms

Computer Science Wireless

Keywords

WSN,M-GEAR, LEACH ,Gateway nodes