Abstract

Wireless sensor network are used to monitor the data and collecting the information. Nodes in network sense the data and collect the data then send it to the base station or the sink. However it requires a high power to send data directly to the sink by all the nodes individually so first there are different type of protocols which are discovered to send the data from nodes to the sensors. LEACH operates on two rounds and the set of node at each round is Cluster nodes (CH). At the end of each round each node that is not cluster head select the closest CH and joins to that cluster head to transmit data. SAR operates for providing the QoS and multiple trees are generated on the basis of energy, QoS and the priority of the packets. The best available path is selected to send the data from nodes to sink or base station. Research is to combine these protocols for reducing overhead of routing tables in SAR and lifetime of the network is increased. The results are compared with the E-LEACH protocol and it is shown that the purposed protocol increase the lifetime of network as compared to E-LEACH.

References

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**Index Terms**

Computer Science

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**Keywords**

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