Abstract

Power effectiveness found to be main limitation in WSN due to insufficient battery of sensor nodes. Therefore, the most significant focus of the existing work is to locate the ways to decrease the difficulty of power utilization and will result in improvement in the network stability period and life time. A lot of researchers have planned a variety of the protocols to additional improve the network lifetime. This paper has evaluated the issues which have been ignored in the field of the WSNs. In this paper, a latest enhanced highest residual power initial based clustering technique is planned to improve the results of the existing iLEACH protocol. Proposed technique is an extension to iLEACH using sorting techniques to improve the results additional. The proposed algorithm is designed and implemented in MATLAB. It has been exposed in this paper that the proposed algorithm provides improved results than existing clustering protocols.

References

Improved Leach using Highest Remaining Energy First based Cluster Head Selection


Keywords

WSN  LEACH  Energy Efficient  Sorting Energy.