International Journal of Engineering, Management, Humanities and Social Sciences Paradigms (IJEMHS)
(Volume 13, Issue 01)
Publishing Month: June 2015
An Indexed and Referred Journal
ISSN: 2347-601X
www.ijemhs.com

Abstract Details

Title: A Review of Data Collection and Path Optimize in WSN

Authors: Dharmendra Kumar Thakur and Trilok Gaba

Abstract: The main task of a wireless sensor node is to sense and collect data from a certain domain, process them and transmit it to the sink where the application lies. The main characteristics of a WSN include power consumption constrains for nodes using batteries or energy harvesting, ability to cope with node failures, mobility of nodes, dynamic network topology, communication failures, heterogeneity of nodes, scalability to large scale of deployment, ability to withstand harsh environmental conditions. The direct communication between a sensor and the sink may force nodes to emit their messages with such a high power that their resources could be quickly depleted. Therefore, the collaboration of nodes to ensure that distant nodes communicate with the sink is a requirement. In this way, messages are propagated by intermediate nodes so that a route with multiple links or hops to the sink is established.

Keywords: Cache, Cluster, LRU, Wireless Sensor Network, Routing Protocol.