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THROUGHPUT INTENSIFICATION FOR IOT BASED SUBVERSIVE DRAINAGE MONITORING APPLICATIONS IN WIRELESS SENSOR NETWORKS

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Abstract

Recently, Internet of Things has become the most enabling technology for connecting real life applications with Wireless Sensor networks for sensing and communication of important information in applications for making smart city environment. Wireless sensor networks encompasses sizable amount of battery powerdriven sensor nodes. A significant issue in WSNs is to cut back the energy consumption whereas maintaining the conventional roles of WSNs. Many different strategies are accustomed to reduce energy consumption in Wireless Sensor Networks. In existing TDMA scheduling techniques, explicit time interval is allotted to every node to transmit their information in a specially allotted time, though it reduces energy consumption, it reduces throughput additionally. As a result, if any node isn't able to send a packet to the destination before the energy state of the node decreases, the throughput of the node can decrease. To maximize throughput, an energy efficient emergency packet scheduling methodology (EPSM) is employed that involves a leader node to schedule nodes based on energy state. This methodology reduces energy consumption and will increase output compared to existing strategies.

Author Keywords

Wireless Sensor Networks, Internet Of Things, Energy Efficiency, Scheduling, Clustering, Data Transmission

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