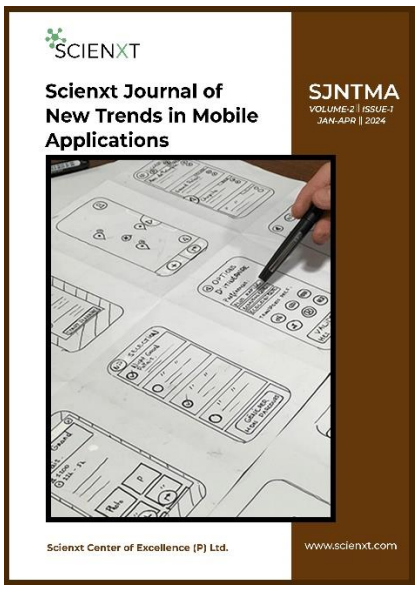

Scienxt Journal of New Trends in Mobile Applications
Volume-2 || Issue-1 || Jan-Apr || Year-2024 || pp. 1-11

Applications of wireless sensor network in smart grid: A review

[*1]Dr. Pritesh Tiwari, [2]Preeti Kumari, [3]Md.Gulab

[*1]Assistant Professor, Department of Electronics & Communication, Bhopal Institute of Technology and Science, Bhojpur Road Bhopal, 462045 M.P. India
[2,3]Student, Department of Electronics & Communication, Bhopal Institute of Technology and Science, Bhojpur Road Bhopal, 462045 M.P. India

**Corresponding Author: Dr.Pritesh Tiwari*
Email: Priteshtiwari.15@gmail.com

Abstract:

Network lifetime is, arguably, the most important performance metric in wireless sensor networks. Since wireless sensor networks nodes are battery operated, in general, optimal utilization of the limited battery energy is vital for prolonging the network lifetime. Energy budget of WSNs is dominated by the energy dissipation on communication, So that the optimization of all aspects of WSN communication and networking is the overarching goal. Smart grid is a green technology that allows the integration of renewable energy sources and demand response management. Internet of Things (IoT) and Machine-to-Machine (M2M) communications are the major drivers of smart grid deployment and applications, particularly in residential and commercial buildings. In this paper we present the survey for the wireless sensor network and their applications and the performance.

Keywords:

Wireless Sensor Network, Neighbor area network, Quality of Service, IEEE.