

POWER CONTROL TECHNIQUES IN WIRELESS SENSOR NETWORKS

P. MALATHI¹, PRAMODKUMAR H. KULKARNI² & KOMAL D. BHOITE³

¹D.Y. Patil College of Engineering, Akurdi, Pune, Mahrashta, India

^{2,3}Department of Electronics and Telecommunication, DYPIET, Pune, Maharashtra, India

ABSTRACT

The major issue in wireless sensor network (WSN) is the power control since it is impossible to recharge or replace the batteries of the sensors. The sensors transmit at high power to make its transmission successful. Transmitting at high power not only reduces the lifetime of the nodes and that of the network, it also introduces excessive interference. Therefore, every node should transmit at minimal power while satisfying the quality of service (QoS) requirements. This paper gives introduction of a different power control techniques.

KEYWORDS: Wireless Sensor Networks, Power Control