

Load balancing routing technique in wireless sensor networks WSN

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Abstract: This topic focuses on researching and implementing load balancing routing techniques in wireless sensor networks (WSN). In the context of increasing demand for monitoring and collecting data from the natural environment, the issue of efficient resource distribution becomes important. The topic aims to build a routing system that can optimize energy usage and improve reliability in WSN through load balancing among sensor nodes. The research method combines theory with experimentation, applying new algorithms to solve the resource distribution problem. Expected results include contributing to the development of WSN technology and enhancing service quality in the field of environmental monitoring.

Keywords: Load balancing routing, Wireless Sensor Network (WSN), Routing algorithm