BIG DATA GATHERING IN WIRELESS SENSOR NETWORK USING
HYBRID DYNAMIC ENERGY ROUTING PROTOCOL

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ABSTRACT

Novel energy-aware routing algorithms to be proposed for wireless sensor Networks, called reliable minimum Hybrid Dynamic Energy Routing Protocol (HDERP). HDERP is used because of its reliability, higher life period and effective utilization of energy. By effective utility of battery power in sensors nodes the life spam of the network is increased. Reliability is ensured by the routing algorithm which determines the path of transmission of data .Hence by using HDERP reliability is ensured. Hybrid Cryptography provides the hybrid cryptography method. The main objective of this paper is to reduce the end-to-end delay and energy consumption when compared to the existing method. In case of protecting the data from attackers on the web, encryption methods such as Advanced Encryption Standard and Elliptic curve cryptography are used.

KEYWORDS: Hybrid Dynamic Energy Routing Protocol, Hybrid Cryptography, Advanced Encryption Standard and Elliptic Curve Cryptography