

## EFFICIENT SECURITY & ENERGY SAVING PROTOCOL

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### ABSTRACT

Effective and efficient security providing for any sensor network is one of the major goal for complete data communication. But wireless sensor provides a significant computation and communication in the wireless network. During data communication another major aspect to save the energy for reduce the communication cost. Data secrecy is one of the most important key concept during transmission and reception. Generally a data secrecy maintains two major task-key establish and encryption of message. So the four parameter is equally likely important for secure, reliable and low cost data communication. Therefore ESESP provides the best way for best data communication.

**KEYWORDS:** Data Secrecy, Cryptography, Energy Efficient Key, Virtual Energy, Stream, Cipher, RC4, Confidentiality