



**RESEARCH ARTICLE**

# **InKeSi-Increased Key Size Method in SRNN Public Key Cryptography Algorithm**

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***Abstract— Digital signature is used to provide security to the message during transfer. The Existing SRNN (Short Range Natural Number) algorithm is used which provides high security, even though it has some problems, such as brute force attack. A new algorithm called as InKeSi (increased key size) is Proposed in this thesis in which the attack can be avoided by increasing the key size. In the proposed algorithm, the key size is increased by 512bit to 1024bit in SRNN algorithm.***

***Key Terms: - cryptography; Digital Signature; RSA; SRNN; Encryption; Decryption***

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