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### FSP Algorithm for Encryption/Decryption .

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Abstract - It has been observed from literature that cryptography is one of the most important areas in the computer industry. Encryption allows an application to secure its data from being accessed by hackers. This paper developed and designed an algorithm for encryption and decryption. Cryptography provides many methods and techniques to secure communication. Currently there are many industry standard encryption/ decryption algorithms including RSA , Rijndael, Blowfish and so forth. However, they are fairly complex and require that one spend a lot of time to comprehend and implement them. This paper introduces simple encryption / decryption algorithm that is fast and fairly secure. the algorithms manipulate a128 - bit input using flipping substitution, and permutation to achieve its encryption /decryption.