

Nahar K., Abu Abbas O., Mansoor A., "Hybrid Encryption System". ABHATH AL-YARMOUK: "Basic Sci. & Eng." Vol. 19 and No 1, 2010.

Abstract

Cryptographic algorithms exist to protect information by, first transforming the data into a form that is meaningless to peoples and second by performing certain manipulations to these transformed data so that even a specially designed machine cannot recover the original text unless provided with a secret key. This paper is intended to introduce a new hybrid approach for encryption. It uses a variety of terminologies and algorithms to encrypt text in a way that makes it unbreakable. It uses nested Caesar algorithm, a revised transposition cipher, a revised RSA algorithm, and the ASCII code for formatting textual data. The conclusions of this paper indicate the efficiency of the hybrid system according to the security and time performance.