As technology started growing verbal exchange became a principal method of exchanging data. With the introduction of web and pay out programs protection problems are more difficult and elaborate. Secure correspondence is a remarkable worry by which individuals can communicate data to changing degrees of assurance that outsiders can't catch the data that is transmitted over system. Consequently data security is an essential thought in nowadays. Cryptography and data security is growing more to deal with authorized security for systems. In this work the proposed algorithm makes use of basic encryption methods like substitution, transposition, bitwise logical operations together with pairing operate to encrypt the information. The algorithm itself generates the important key from simple text and hides inside plaintext.

**References**

121, No. 8, July 2015: pp. 30-35.

**Index Terms**

Computer Science  Information Sciences

**Keywords**

Encryption, Decryption, Elegant pairing function, Symmetric Key