Abstract

In the modern technological world, where data or image transfer through the internet has gained
A Novel Approach of Steganography using Hill Cipher

utmost importance, security of the data has become a major issue. We use cryptography for the security of the above mentioned data. By the help of cryptography, we convert plain text into cipher text, or data that is unreadable to the attacker. Another approach is to hide data in image and then send it to the receiver. This is known as steganography. Various approaches of steganography has been discovered earlier, which includes changing of data in pixels with the data that the sender needs to send. In the discussed approach, we will also find out the pixel matrix of an image, but we will multiply the found out matrix with a cipher matrix. In this way, we will convert the original image into encrypted image and then subject it to communication.

References

- A. Kerckhoffs, "La Cryptographie Militaire (Military Cryptography)," J. Sciences Militaires (J. Military Science, in French), Feb. 1883

Index Terms

Computer Science Computing, Communication
And Sensor Network

Keywords

Cipher Cipher Text Cryptography Decryption Encryption Matrix Plaintext