Abstract

Nowadays secure and safe transmission of data is a very important aspect for all internet users. In the data securing process the use of encryption algorithms almost make it very difficult for an eavesdropper to get access to any user’s data. It helps to ensure the privacy of a company/user from others. Keeping in view the importance of steganography and cryptography for secure data transmission this work incorporates the use of multiple keys, LSB substitution method and bit plane technique for further security of image containing data. Simulation results show the feasibility of the proposed method. The data has been successfully embedded using triple security.

References


17. WangYong (2010). Reliable JPEG steganalysis based on multi-directional correlations, Department of Applied Mathematics, Information Science and Technology Institute, 25(8), 577-587.


Index Terms

Computer Science

Image Processing

Keywords

Encryption; Cryptography; Steganography; Bit plane method