Abstract

The paper will represent the recent cryptographic technology to increase the security level in image processing technology and data security in Network systems. Blowfish algorithm, Steganography algorithm least significant bit (LSB) and Genetic algorithm are mainly used in the paper for better security system. Blowfish algorithm provides a good encryption rate in software. It has a 64bit block size and a variable key length from 32 bits up to 448 bits. The cryptographic society needs to make available the world with a new encryption standard. In the other side steganography in one of the most powerful way to conceal the existence of hidden secret data inside a cover object. All encrypted data will be hidden by Least Significance Bit (LSB). Genetic algorithms (GA) are directed random search techniques used to look for parameters that provide a good solution to a problem. Essentially they are nothing more than educated guessing. The ‘education’ comes from expressive the correctness of previous candidate solutions and the ‘guessing’ comes from combining the fitter attempts in order to evolve an improved solution. [1] For image processing system this algorithm is better. So hope
paper will give most output performance.

References

3. Mamta Juneja 1, Parvinder Singh Sandhu 2 “designing of robust image steganography technique based on lsb insertion and encryption” 2009 International Conference on Advances in Recent Technologies in Communication and Computing.

Index Terms

Computer Science Algorithms

Keywords

Cryptography, Encryption, Decryption, Blowfish, LSB, Image Processing, Steganography, Genetic Algorithm, Crossover.