Abstract

Due to abundant growth of multimedia application it becomes necessary to secure multimedia data. The scope of this paper is confined to secure multimedia data especially images. The major issue that exists in images is the presence of redundant data. The main focus of this paper is to design a new shuffling scheme that can eliminate redundant data. The new shuffling scheme has been implemented on different images. In this paper comparative analysis is done before and after applying new shuffling scheme with the existing PESH algorithm. The shuffling schemes are applied on pure white images in order to test its efficiency, as white images have maximum redundant data. The new scheme is designed for the light weight devices which require less computation power.

References

- P. Maggo, Dr R. S. Chhillar, "Security of Multimedia Data: A Review Paper on
- C. Li & G. Chen, "On the security of a class of Image Encryption Schemes".
- D. Chattopadhyay ; M. K Mandal & D. Nandi, "Symmetric Key chaotic image encryption using circle map", Indian Journal of Science and Technology Vol. 4 No. 5 (May 2011) ISSN: 0974-6846.

Index Terms

Computer Science
Security
Keywords


Image Encryption