Abstract

Companies, parliaments, institutes and military often need to transfer a highly sensitive data and always be alert about the risk if the data is leaked by unauthorized parties. Encryption can be implemented to securely transfer the data. It can further be secured by a secret key by the sender and sent to the recipient who can decrypt the data only using the secret key created by the sender. Text data being hid in the picture is another method to predict the limited text data, ability and its measure during encoding and decoding. This project involves the plan of how the text and image data can be securely sent from the source to destination without any fear of data being stolen or leaked by the unauthorized parties. The transform methodology used here is "discrete wavelet transform [DWT] and watermark" is embedded in the raw image
and can be extracted by the recipient. It exhaustively defines data encoding and decoding using mat lab for small text messages and recommends such features.

References

- Yvette E. Gelogo and Tai-hoon Kim, "Compressed images transmission issues and solutions"; 2006
- Vladimir Cherkassky, Xuhao He, Prakash Balasubramanian, "Wireless transmission of image and video data"; 1996

Index Terms

Computer Science
Algorithms
Keywords
Cryptography; Video Watermarking; Dwt; Encryption.