Abstract

In this era of digital transmission, security of information is crucial. Steganography and cryptography helps in providing this much needed data confidentiality. Steganography hides secret information into a cover medium and cryptography converts data into an unrecognizable form. For more secure communication RSA algorithm is been introduced, which is based on asymmetric key cryptography. By using Steganography methods third parties cannot percept the existence of message embedded in the audio file. The properties of the audio file remain the same after hiding the secret message. In this Paper a new-fangled substitution method (Discussed in Proposed Method section) for Steganography has been used with RSA Cryptosystem.

References

1. R.Valarmathi, G.M.Kadhar Nawaz, “Information Hiding Using Audio Steganography with Encrypted Data”, in International Journal of Advanced Research in Computer and
Communication Engineering Vol. 3, Issue 1, January 2014, ISSN (Online) : 2278-1021.
5. S Usha G A Sathish Kumal, K Boopathybagan,” 2011 International Conference on Computer Science and Network Technology”.
Index Terms

Computer Science  Image Processing

Keywords

Cryptography, RSA, Steganography, Audio.