Abstract

Security of wireless transmission becomes considerable issue in present scenario. To overcome the issue, several algorithms were used. Among them cryptography remains as the efficient technique that converts the user provided information into unintelligible format. The cryptographic algorithms plays important role in providing security and confidentiality to the data. In this proposed work, the image encryption is done using the threshold technique. The performance factors such as the normalized cross correlation, structural content of the image, the mean square error in the image after encryption were calculated. To justify the efficiency of the proposed scheme the factors are analyzed and provided. The data format considered here is the image. By the threshold setting the entropy of the image gets increased It also reduces the execution time. Based on the results obtained the proposed algorithm yields better results.

References


Index Terms

Computer Science               Security

Keywords

Secret Key encryption  threshold value  parameters  Block Cipher