Abstract

Images play a significant role in various fields, such as biomedical, video conferencing, and remote sensing. Development in Digital Image Processing (IP) technology is motivated by the following key areas of application: improved human image awareness and processing of images for the recording and dissemination of machine perception. Two big problems are to be resolved if an image is to be transmitted. Firstly, the image may be accommodated within the specified bandwidth, and secondly, the image is protected. Image Encryption and Image Compression are 2 simple techniques in IP that are commonly utilized to satisfy the need for effective bandwidth usage and security. In this paper, An Encryption method by Fusion of Multi-Biometrics Data and Prime Numbers in which two algorithms postulations are identified with the Information Fusion techniques. First, one is FIF-Biometric and Numerical Information Fusion algorithm, which consolidates fingerprint and prime number to frame a hybrid fusion code. The second one is FIF, which consolidates face image code and a prime number to form a hybrid face code. The primary algorithm utilizes fingerprint as the biometric segment and the FIF algorithm utilizes a face image of the user. Then again fusion of fusion code of face and
An Analysis of the Encryption Fusion Approach based on Face Recognition and Prime Numbers

finger is managed using fif is applied to get the final output.

References

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Index Terms

Computer Science Security

Keywords

Face Recognition, image Encryption, image Cryptography, FIF.