Framework for Visual Cryptographic based Encryption and Decryption

Abstract

In this paper, main focus is on the development of an encryption-decryption framework using some object oriented language and its development. The environmental analysis is done with the help of various types of UML diagrams and then its framework for implementation is designed. Basically, object-oriented analysis (OOA) and object-oriented design (OOD) methodologies examine the problem in the real world and facilitate in decomposing the problem in terms of classes, and some relationships between classes. A framework for implementation of visual cryptography based on encryption and decryption is presented and implemented. Target image is converted into black & white image and one digitized image, after that both are send to user site separately. Decryption is performed by the overlapping of these two images.

References

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Index Terms

Computer Science  Security

Keywords

Visual Cryptography, Gray Scale Image, Image digitization