Abstract

Privacy as well as Security is a burning issue to all the users in the field of Information Technology. With the perspective of socio, psychological, organizational, technical, economic and financial ground it is one of the most vital issues in our everyday’s life. Presently; security is a prime problem in domain of identification or authentication of any information that is delivered or conveyed for the reason of documentation, transaction in our life. There are various types of methodologies, algorithms, techniques available for the safeguard as well as smooth running of the system. Encryption is one among the methodologies that can solve the problem to ensure safety. A lot of encryption systems connected to images, texts, etc. have been proposed by different researchers, each one of them has its strong points as well as weak points. In this paper; a simpler method is proposed that will show a better image representation technique based on encryption. This method is simulated, investigated and executed based on permutation, value transformation and substitution. The selected and the proposed method is elaborated in a well-defined manner. Subsequently; it is assessed and equated based on the test data so that the degree of security and privacy in the encryption method is maintained.
A New Tactic to Maintain Privacy and Safety of Imagery Information

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A New Tactic to Maintain Privacy and Safety of Imagery Information


Index Terms

Computer Science Security

Keywords

IEBTA Authentication HFA Encryption Decryption permutation block-based-image

image-object.