



KEY GENERATION AND MANAGEMENT FOR IMAGE ENCRYPTION AND DECRYPTION

Kamlesh Chopra, Uday Pratap Singh and Vineet Richhariya

Abstract

“Combination of encryption and decryption for secure communication” is an application, which combines both (i.e., Encryption, decryption) techniques to make the communication more secure. It is concerned with embedding information in a secure and robust manner. This paper also attempts to identify the requirements of a good key generation algorithm and its brief decryption. This allows the user to choose whether or not he/she wants to encrypt the data and have it password protected and the type of algorithm to use for encryption. Every image tested with this technique showed no visual distortions. This technique of key generation used for data (image/video) authentication.

Keywords and phrases: image encryption, decryption, key generation.

