Blur Image Enhancement with Data Encryption and Decryption using Cryptography and Steganography Algorithms

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Abstract: *This paper proposes an information hiding method behind blur image to embed data while executing image enhancement steps. In recent years, there has been an increasing interest in using the technology of multimedia. The privacy and security of data are the challenging task, during transmission time. This paper deals with hiding text in an image file using Advanced LSB algorithm in which bits are XORed with the least significant bits of cover image to derive the stego-image. In this we have also used AES (Advanced Encryption Standard) algorithm which is used to protect electronic data. Blur is a common in so many digital images. So, here Gaussian Blur technique is used for Image Blurring and De-Blurring..*

Keywords: Image Steganography, Encryption, Decryption, Advance encryption standard (AES), Information hiding, Cryptography, Image steganography, Security, Image quality

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