Steganography refers to the branch of computer science which deals with the covering up message in the format which cannot be detectable by any intruder. The secret message or the confidential data can be sent over internet with security using various steganography techniques. This technique has overcome many drawbacks of traditional method of cryptography in which data is encoded and sent over the internet which can be seen by the intruders and they can make attack on it. It is possible for the intruder to make the intrusion sometimes when the cryptographic algorithm is not sufficient enough but in case of steganography no one knows except the receiver that the message sent is confidential or hidden in some kind of picture, audio or video. So it makes it lot secure to send the message over internet with the use of steganography. In the proposed paper the detail information of image steganography is presented along with the applications and methods used for this process.
2. N. Akhtar, P. Johri, S Khan, “Enhancing the Security and Quality of LSB Based Image Steganography” 5th International Conference on Computational Intelligence and Communication Networks (CICN), Publication Year: 2013 , Page(s): 385 – 390.

**Index Terms**

Computer Science  
Image Processing

**Keywords**

Steganography, Cover image, Stego image, LSB, PSNR