

Secret Message Hiding in BMP Image

Hlwan Moe

University of Computer Studies, Yangon

hlwanmoeoo@gmail.com

Abstrcat

Secure exchange of secret messages over public channel plays a very important role of secret communication. The use of Steganography is much less threatening than the use of cryptography because after encoding stego documents and favor documents are not noticeable changes. In this paper, we focus on Steganography and by hiding the important message in digital images and send to the other hand. In this system, we employ Least Significant Bits (4-LBS) , a direct substitution method, to avoid detecting visually by the third party. We focus on hiding text messages in a Bitmap (BMP) image. In this paper, we analyze the processing time of encoding and decoding, the limitation of characters that were embedded in cover Images. We also analyze the capacity of characters embedded in Grayscale and RGB Images. By using this system , we can safely exchange secret messages over public channel.