

A REVIEW ON DIFFERENT TYPES OF CRYPTOGRAPHY TECHNIQUES" SHOULD BE REPLACED BY "EXPLORING THE POTENTIAL OF STEGANOGRAPHY IN THE MODERN ERA

Vipin Jain*

*Teerthanker Mahaveer Institute of Management and Technology,
Teerthanker Mahaveer University, Moradabad, Uttar Pradesh, INDIA

Email id: vipin555@rediffmail.com

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ABSTRACT

The information world of today is a digital one. Nowadays, data transfer via an insecure channel is a significant source of worry. Simultaneously, intruders are expanding throughout the internet and becoming more active. As a result, certain security precautions must be implemented to safeguard the confidential data from theft. Various methods have been used to encrypt and decode the secret data in order to keep it hidden. The two most well-known methods are cryptography and steganography. These two methods, however, cannot perform as well on their own as they may when used jointly. Steganography is a Greek term that combines the terms stegano and graphy. Steganography is a combination of the words stegano and graphy, which meaning "hidden writing." Steganography is a technique for concealing the fact that data is being sent. While cryptography transforms a secret communication into a format that is not human readable, this method has the drawback of making the encrypted message accessible to everyone. Intruders may attempt to obtain the secret message by using heat and trial methods via the internet in this manner. By concealing the fact that any communication is going place, steganography overcomes cryptography's restriction. The secret message is concealed in steganography in medium other than the original, such as text, image, video, and audio. These two methods are distinct and have distinct meanings. As a result, we will explore different cryptography and steganographic methods used to keep the communication hidden in this article.

KEYWORDS: *Steganography, Cryptograph, LSB, Cipher Text, Steganalysis, Cryptanalysis.*

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