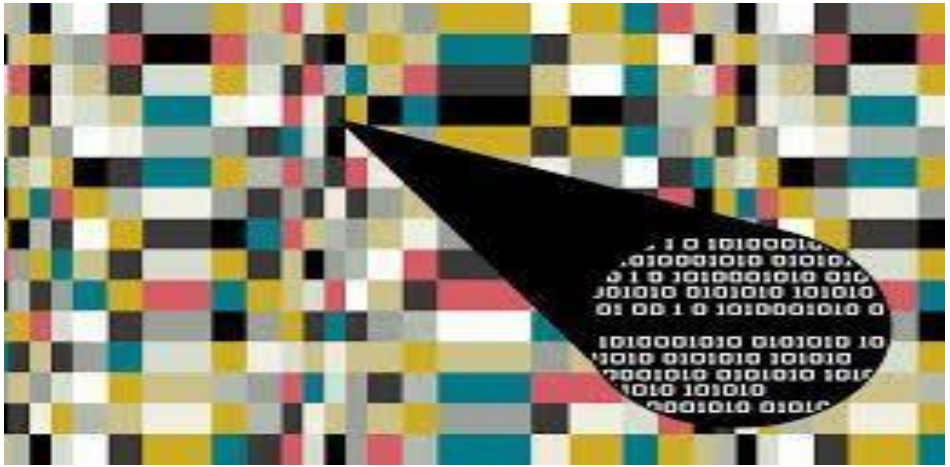
Steganography Project



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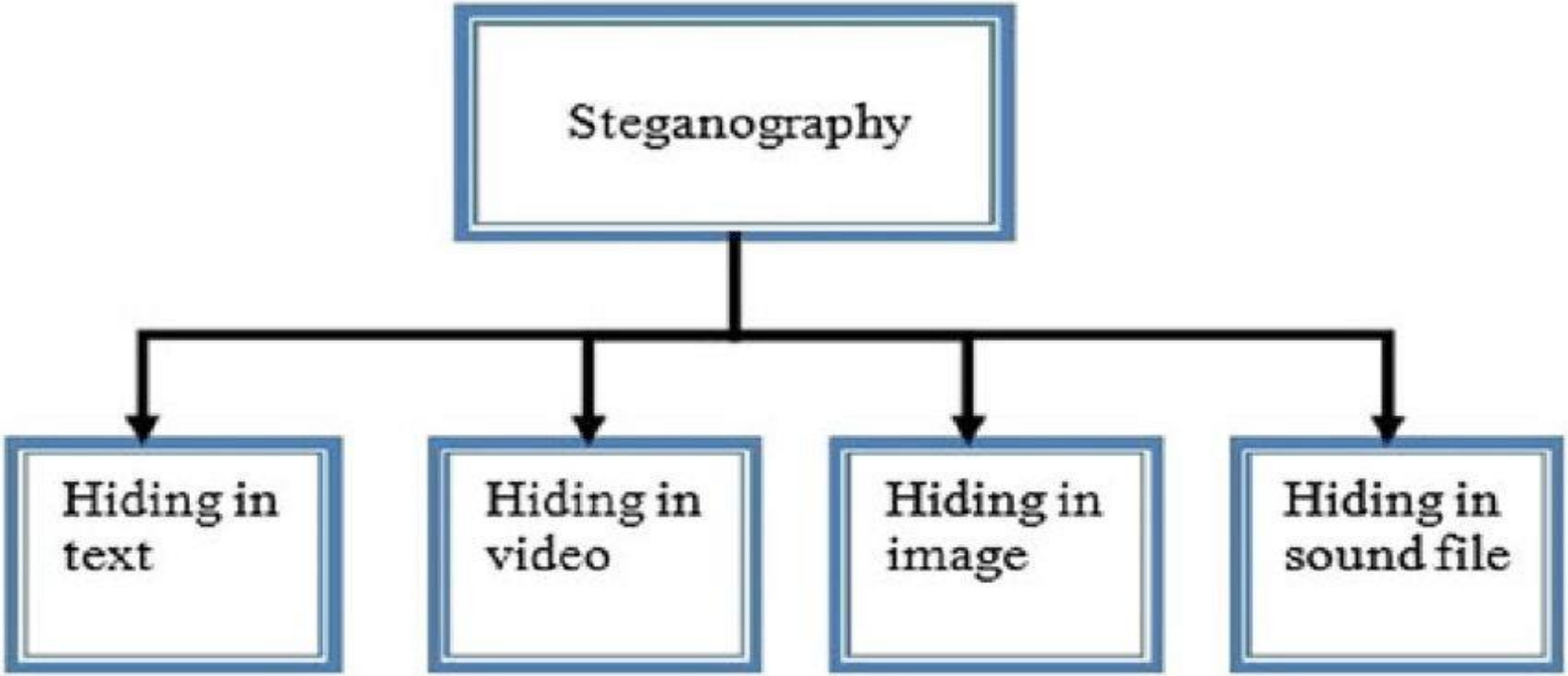
INTRODUCTION

Steganography is the technique of hiding secret data within an ordinary, non-secret, file or message in order to avoid detection; the secret data is then extracted at its destination.

The use of **steganography** can be combined with encryption as an extra step for hiding or protecting data.

The word steganography is derived from the Greek words steganos (meaning hidden or covered) and the Greek root graph (meaning to write)

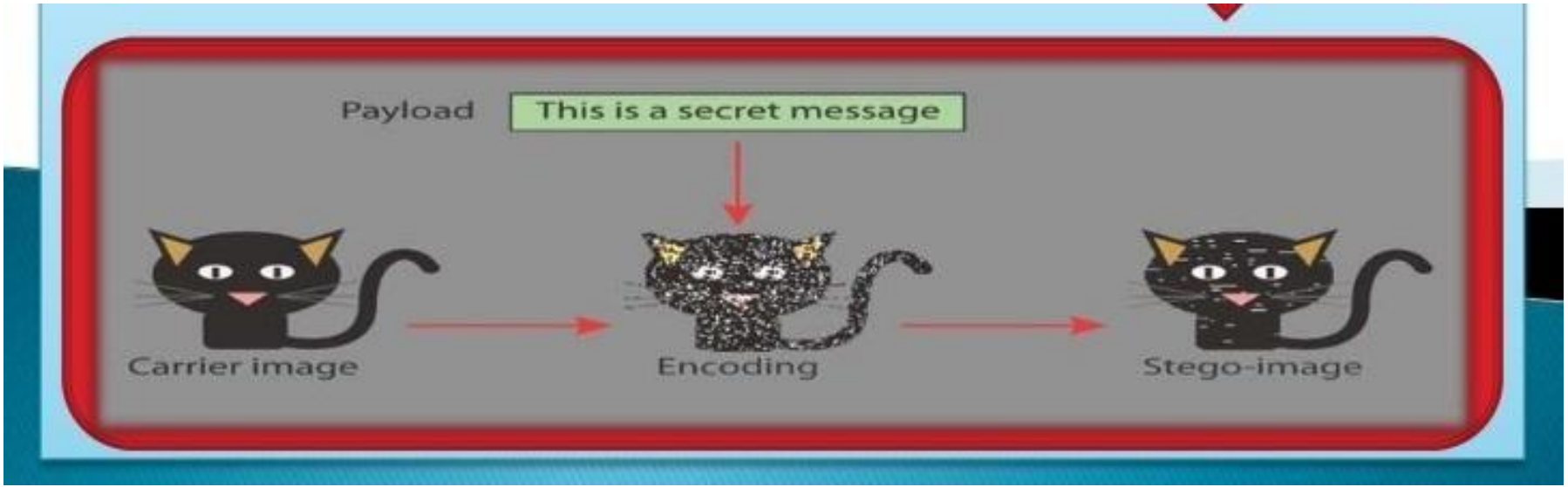
PICTORIAL REPRESENTATION



EXAMPLE

There are many ways to conceal information using Steganography. The most common method is by embedding information into digital images.

We all know that digital images say, a JPEG image, contains several megabytes of data in the form of pixels.



ADVANTAGES

- Difficult to Detect
- Only Receiver can Detect
- It can done faster through large no. of softwares
- Important communication exchange
- Provides better security through LAN, MAN, WAN
- Can be applied differently with audio, video and Image.
- Hide data over encryption is that it helps obscure the fact that there is sensitive data hidden in the file or other content carrying the hidden text.

DISADVANTAGES

- Only Small size of photos can conceal
- Breaking down of software or server can replicate the Data
- Suspicious Activity Inclusion
- Invalidate Signatures
- Invalidate Hashing

STEGANOGRAPHY TECHNIQUES

- Text Steganography
- Image Steganography
- Video Steganography
- Audio Steganography
- Network Steganography

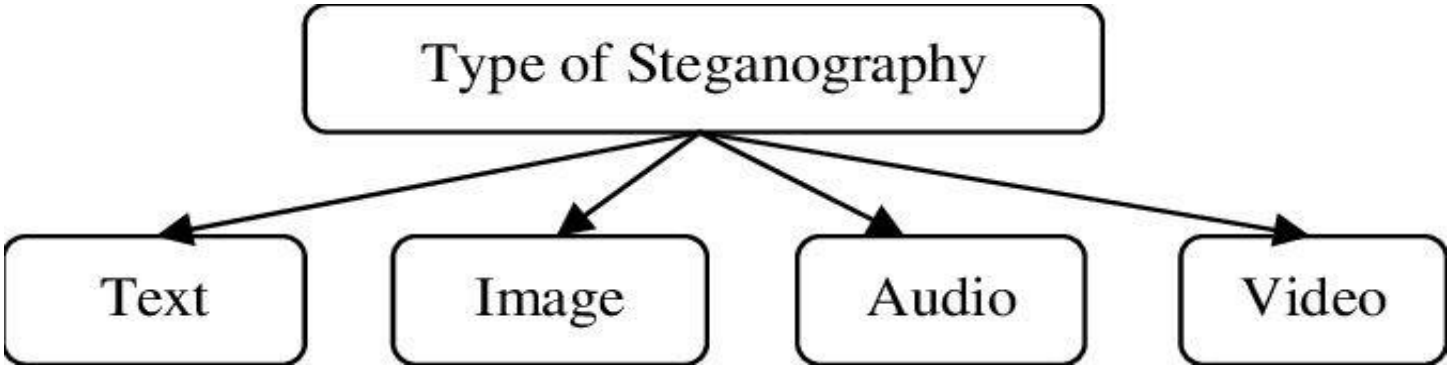
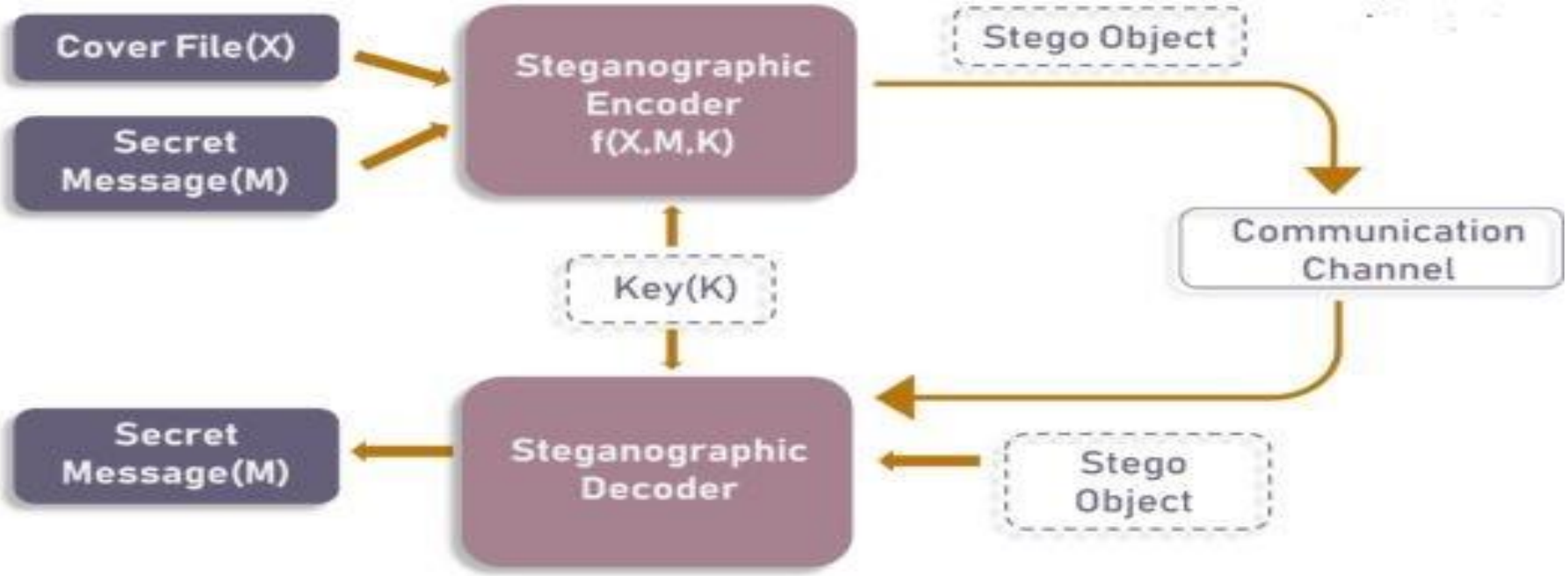


IMAGE STEGANOGRAPHY

Hiding the data by taking the cover object as the image is known as image steganography. In digital steganography, images are widely used cover source because there are a huge number of bits present in the digital representation of an image. There are a lot of ways to hide information inside an image.

- Least Significant Bit Insertion
- Masking and Filtering
- Redundant Pattern Encoding

PROPOSED MODEL



CONCLUSION

- This Software will be Harder and more complex
- Any Shape and Size Image will Hide and Carry Message
- Less Data Reduction
- Image Communication with less time and space complexity
- Active and passive attacks will not easily able to break down the system

REFERENCES

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IMPORTANT

- You can use this Project for your College project, School work and Office.
- I will Send you PPT, Project Code, Research papers and Report that are made on this Project
- New and Updated project.
- Mail me **Vatshayan007@gmail.com** Now to get this Full project ASAP.

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