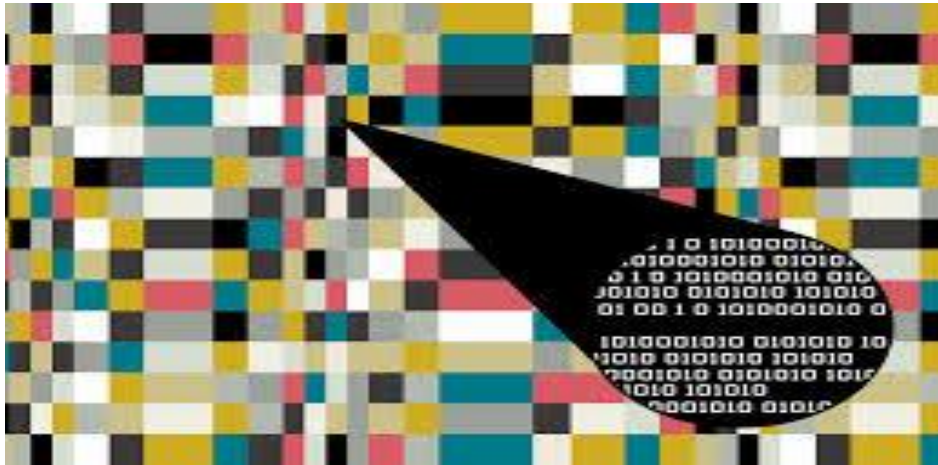


# Steganography Project



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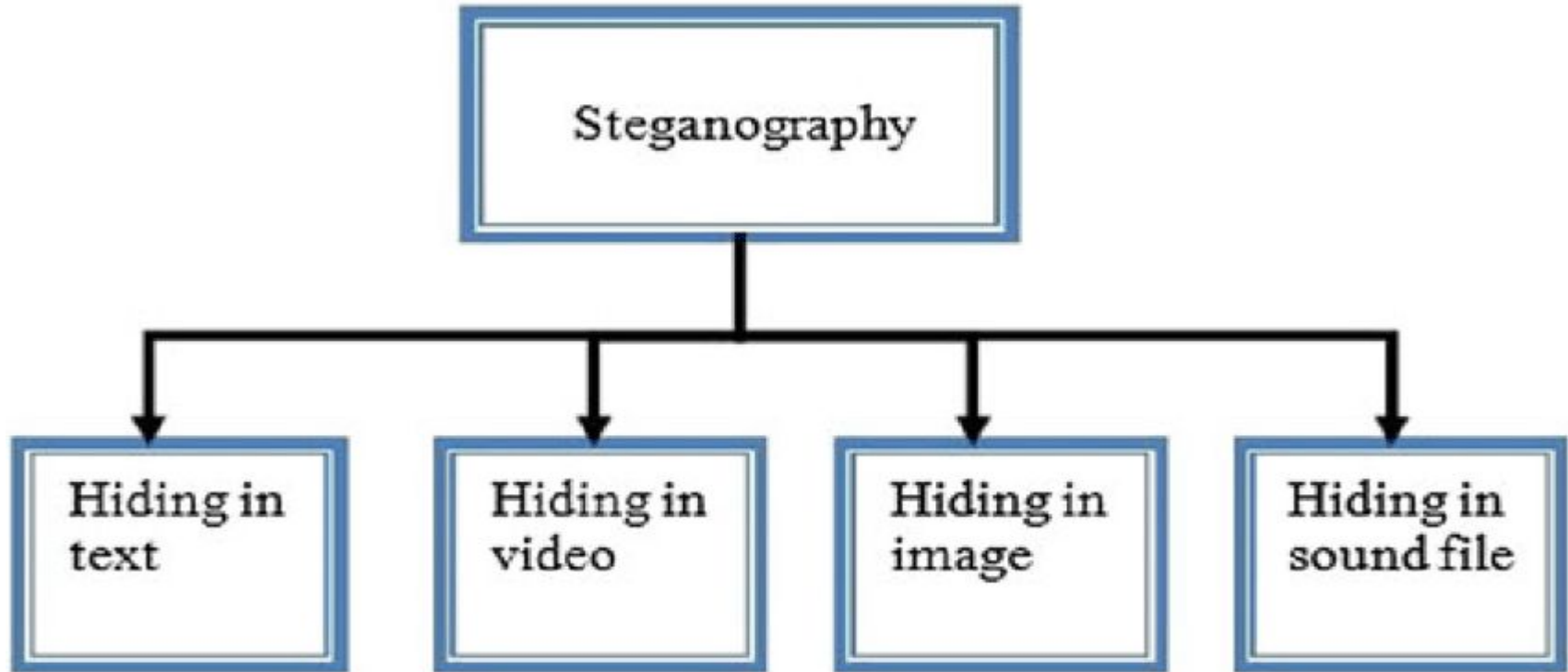
# INTRODUCTION

**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)

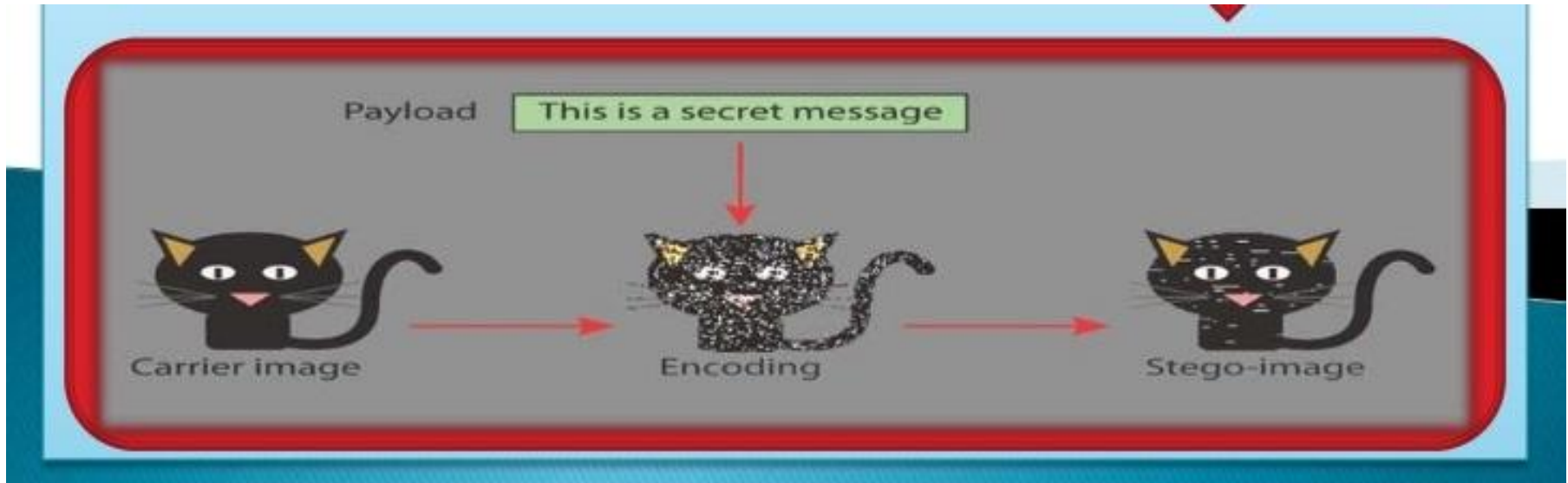
# PICTORIAL REPRESENTATION



# 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

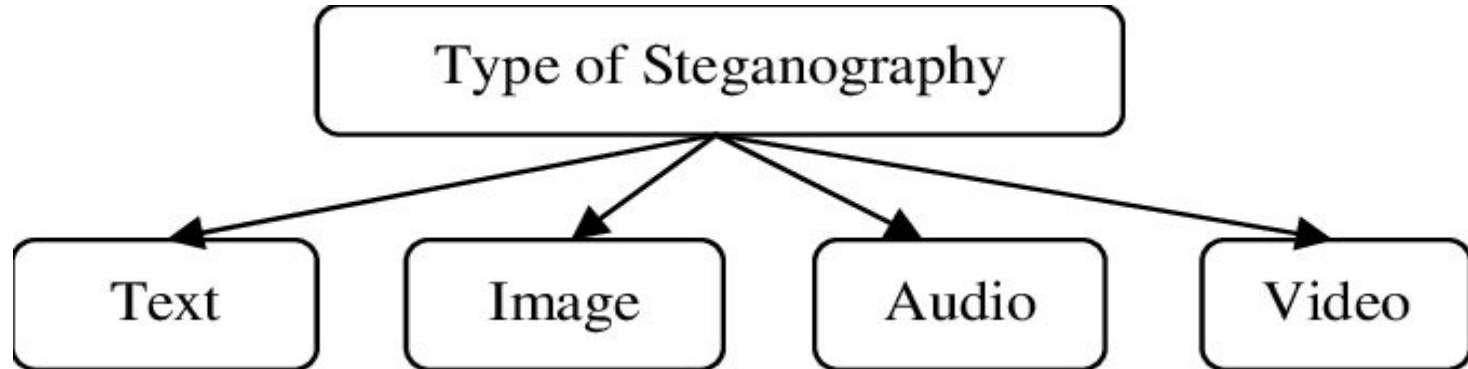
- Difficult to Detect
- Only Receiver can Detect
- It can done faster through large no. of softwares
- Important communication exchange
- Provides better security through LAN, MAN, WAN
- Can be applied differently with audio, video and Image.
- Hide data over encryption is that it helps obscure the fact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



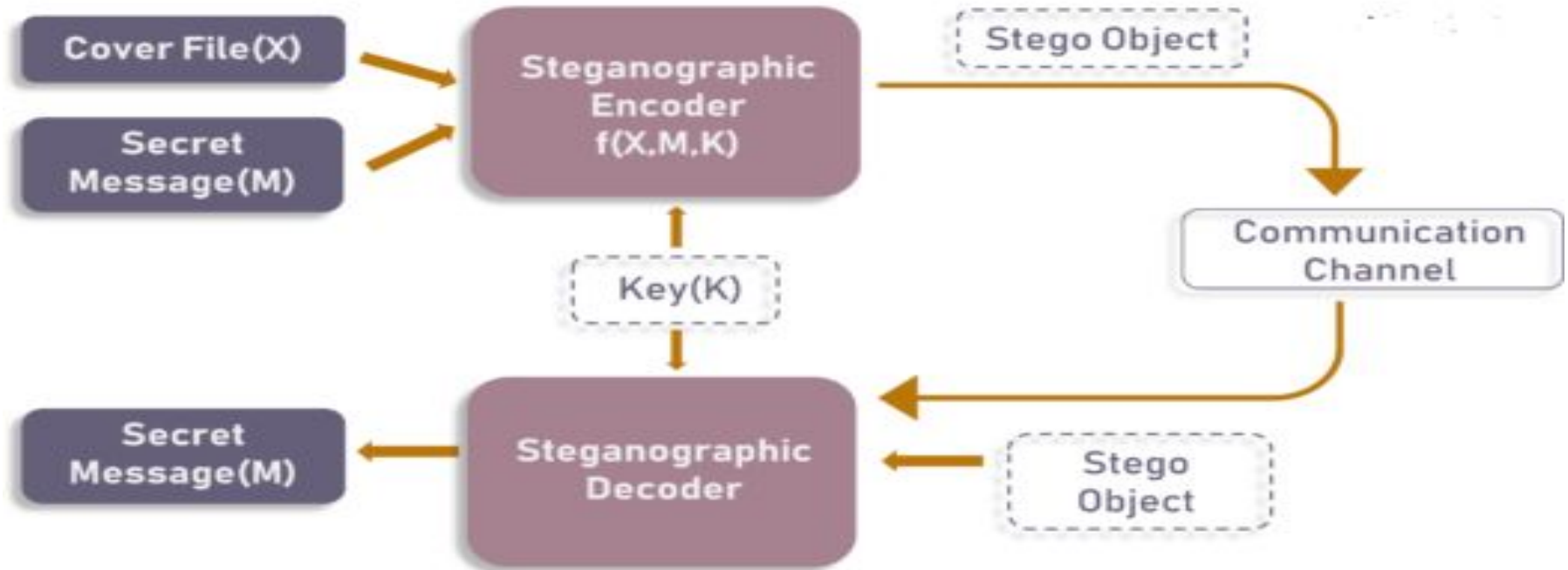


# IMAGE STEGANOGRAPHY

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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- <https://www.spiedigitallibrary.org/conference-proceedings-of-spie/6074/60740G/Wireless-steganography/10.1117/12.650263.short?SSO=1>

# 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](mailto:Vatshayan007@gmail.com) Now to get this Full project ASAP.

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