**Methodology:**

- Different techniques related to image based steganography present in the literature are extensively studied along with their formulations. The steganography methods involved in other digital media such as text, audio, video and network protocol are also reviewed along with their techniques.
- To compare different steganographic techniques performance.
- To propose a steganographic mechanism that may help in better managing cyber security risks for transactional e-commerce.
- To develop steganographic method that is able to embed secret message in the stego image and steganalysis using Java programming:
  - Use existing images and create images for testing
  - Embed secret message in the image.
  - Verify the resulting stego images contain the embedded secret message.
  - Look for pattern when using different messages and/or different images.
  - Manipulate the images with simple image processing techniques and check the embedded message.