VISVESVARAYA TECHNOLOGICAL UNIVERSITY
"JNANA SANGAMA",BELAGAVI-590018

project synopsis on

IMAGE STEGANOGRAPHY APPLICATION

submitted in partial fulfillment of the requirement for the award of
Bachelor Degree
In
Computer Science and Engineering

Submitted By

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1 INTRODUCTION

Image steganography is a technique of hiding secret information within an image without changing its appearance. It is a form of information security that allows you to hide a message in an image and send it to someone without anyone else knowing that the message is there. The hidden message can only be extracted by someone who knows the method used to hide it, such as a password or a specific software. Image steganography can be used for various purposes, such as sending secret messages, protecting intellectual property, or as a way to prevent data theft.

2 PROBLEM STATEMENT

The problem statement for image steganography is how to hide secret information within an image without making any noticeable changes to the image that could alert an observer to the presence of the hidden message. This involves developing algorithms and techniques that can effectively embed the information within the image while maintaining its integrity and ensuring that it can only be accessed by authorized parties. The challenge is to create a robust and reliable system that can withstand various attacks, such as attempts to extract the hidden message or alter the image in a way that exposes the hidden data. The goal of image steganography is to provide a secure and efficient method of transmitting sensitive information that cannot be intercepted or deciphered by unauthorized individuals.

3 REQUIREMENT SPECIFICATIONS

3.1 HARDWARE REQUIREMENTS

Processor   Intel i5

Ram   8GB or more

Hard disk   512GB or more

3.2 SOFTWARE REQUIREMENTS

Operating System: Windows 10 or Linux

Minimum required JDK version: Java Development Kit 8

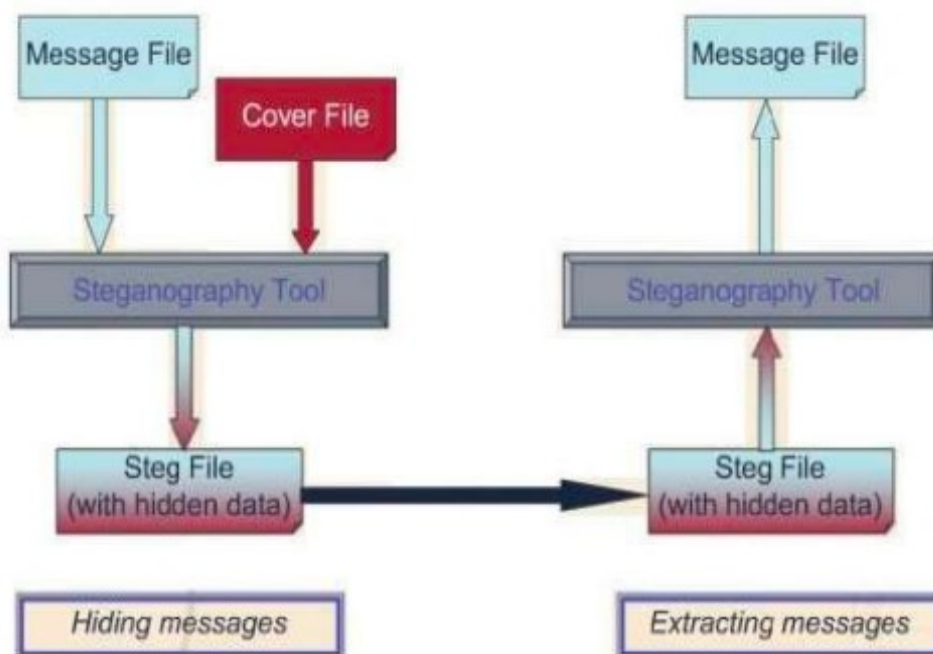Software used: Android Studio

4 Design

Figure 1: Data Flow Diagram

STUDENT SIGNATURE

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