

# ENCRYPTON

PROTECT YOUR PRIVACY



## Problem statement

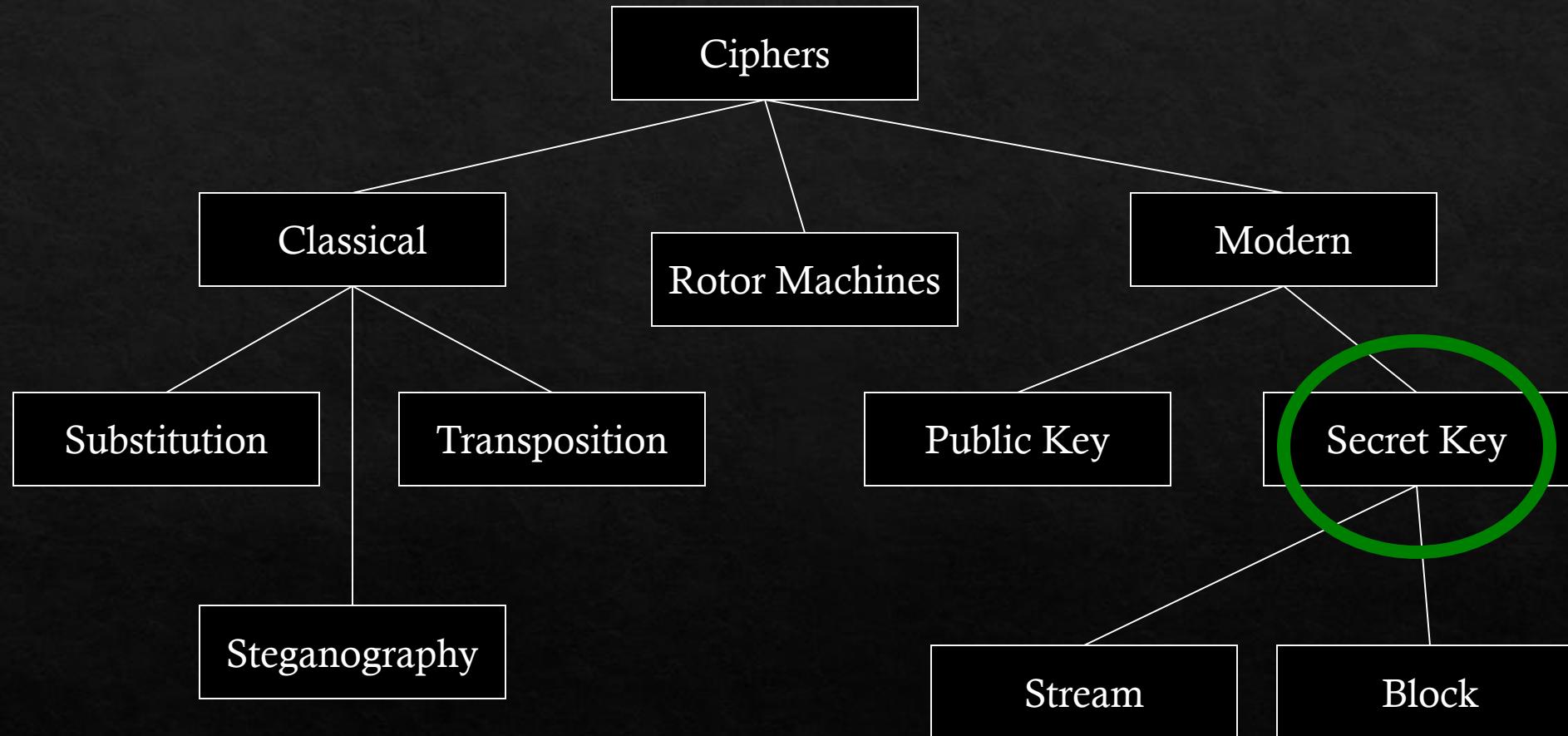
Now a days data leak and data threats are becoming more common as the growth of technology take place across the world.

In today's world where every one has a idea of the technology any how to use it in a way where it is beneficial for themselves.

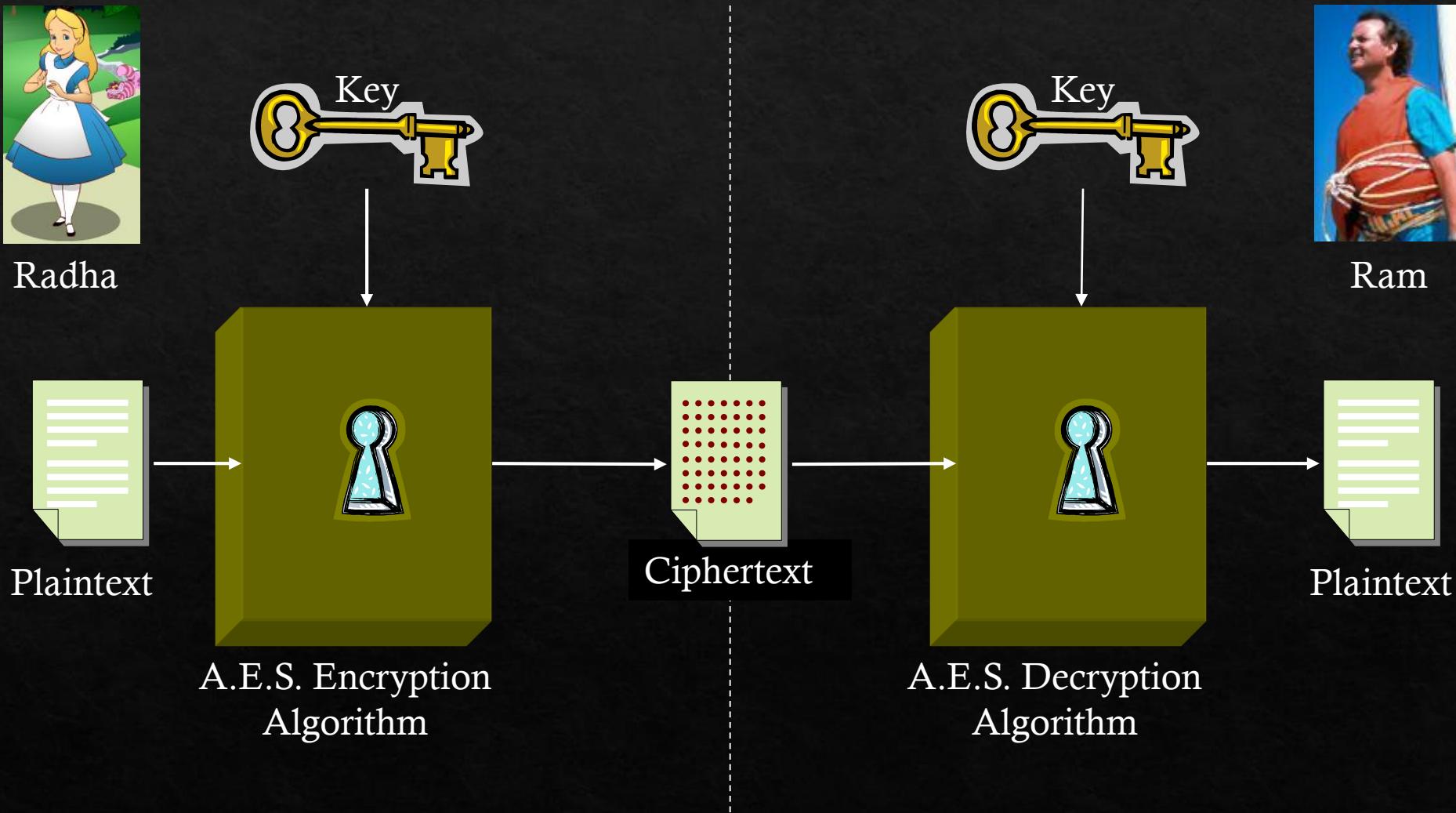
# What is Encryption?

- ❖ Transform information such that its true meaning is hidden
- ❖ Requires “special knowledge” to retrieve the information
- ❖ Examples
  - ❖ AES, 3DES, RC4, ROT-13, ...

# Types of Encryption Schemes



# Symmetric Encryption Terms by a Example



# How was “A.E.S.” created?

## ❖ AES competition

- ❖ Started in January 1997 by NIST
- ❖ 4-year cooperation between
  - ❖ U.S. Government
  - ❖ Private Industry
  - ❖ Academia

## ❖ Why?

- ❖ Replace 3DES
- ❖ Provide an unclassified, publicly disclosed encryption algorithm, available royalty-free, worldwide

# INTRODUCTION

In this software uses Cryptography for its security, security to the confidential data is provided in multilayer. All the personal files and private information like e-commerce transactions can be kept secret by using ENCRYTON technique. This system avoids misuse of data from the intruders. This algorithm for data hiding plays a major role when the confidential information is kept at service providers. It also helps to prevent data from damage.

# TECHNOLOGY STACK

## 1. **Hardware Requirements:-**

- ◊ **Hard Disk:** min 20MB - For the best functioning of the software
- ◊ **Monitor** - For viewing the outputs windows.
- ◊ **Keyboard** - For Giving the input to the software.
- ◊ **Mouse** - For Giving the input to the software.

## 2. **Software Requirements:-**

- ◊ Operating System: Platform independent.
- ◊ Language: Java SE and Java EE.
- ◊ NetBeans IDE..
- ◊ IDE- Eclipse Java.

# Stakeholder

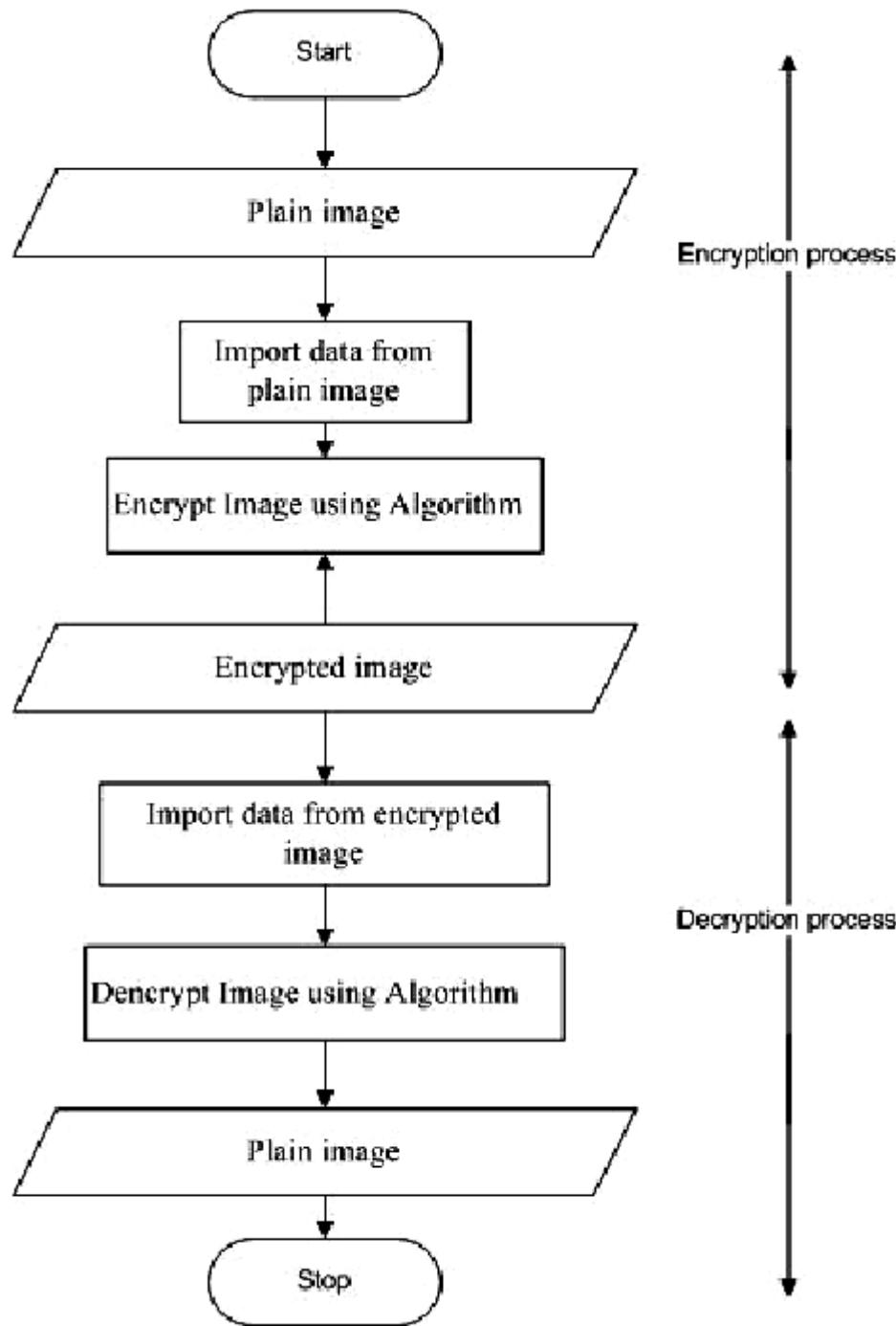
This product can be used by the following:

- ❖ By various Organization's those who want to secure there data.
- ❖ By the people those have need a secuer a secure system to protact there data to be secure within there system.

# Advantages

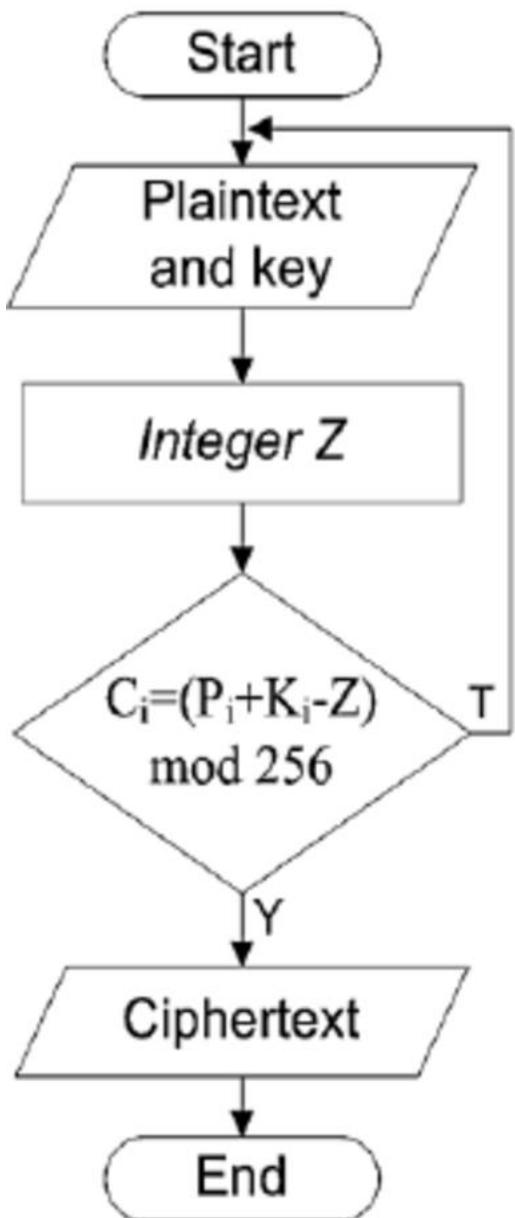
This System will provide following advantages to the user:-

- ❖ **Secure**: The primary purpose of encryption is to protect the confidentiality of digital data stored on computer systems or transmitted via the internet or any other.
- ❖ **Easy to use**: Encryption can protect information stored on your computer from unauthorized access - even from people who otherwise have access to your computer system. Encryption can protect information while it is in transit from one computer system to another.
- ❖ **Reliable and accurate**: This Encryption System can return the same data you that you encrypted that's why it is so Reliable and accurate
- ❖ **No need of examiner**: There is no need for the user to cross check the data that he/she encrypted on the time of decryption as the data is going to be the same as it encrypted.

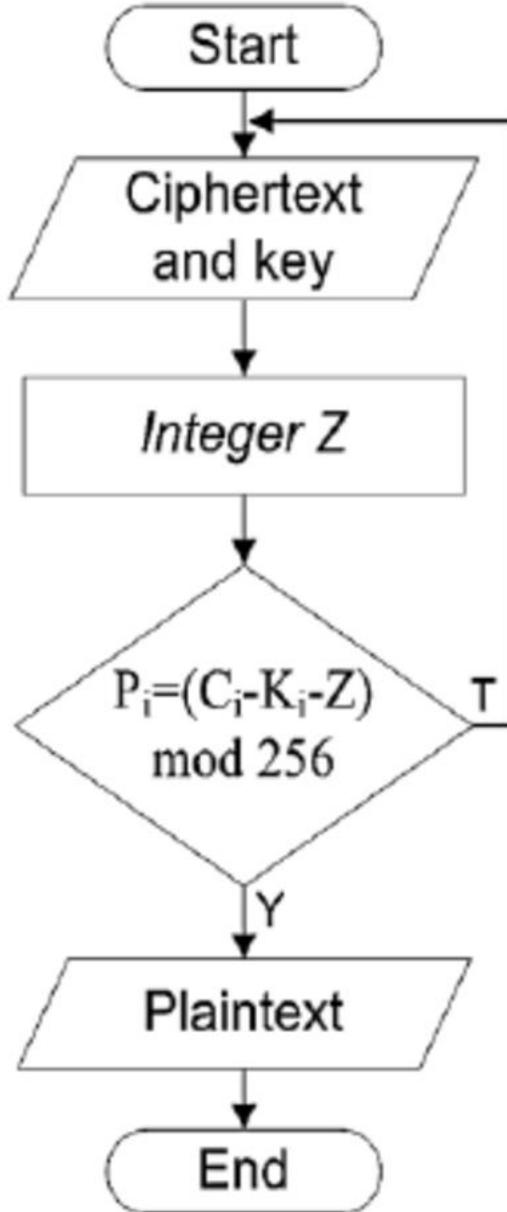


**Flowchart for IMAGE  
encryption and decryption**

### Encryption Process



### Decryption Process



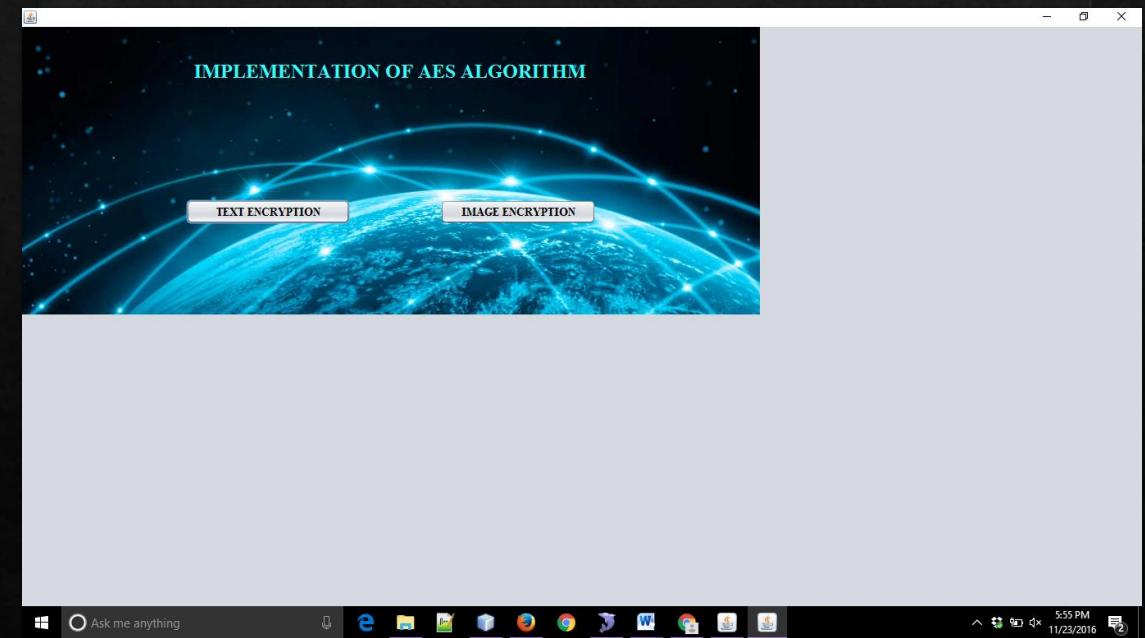
Flowchart for TEXT encryption and decryption

# Outputs

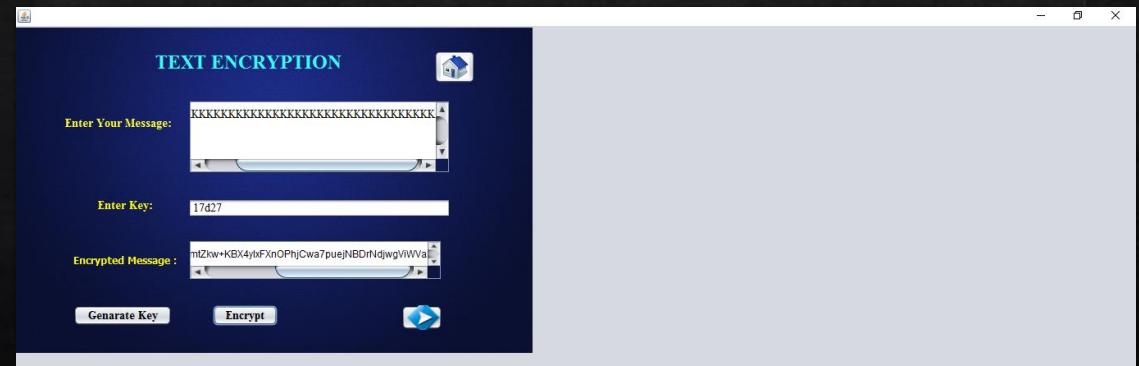
Splash Screen



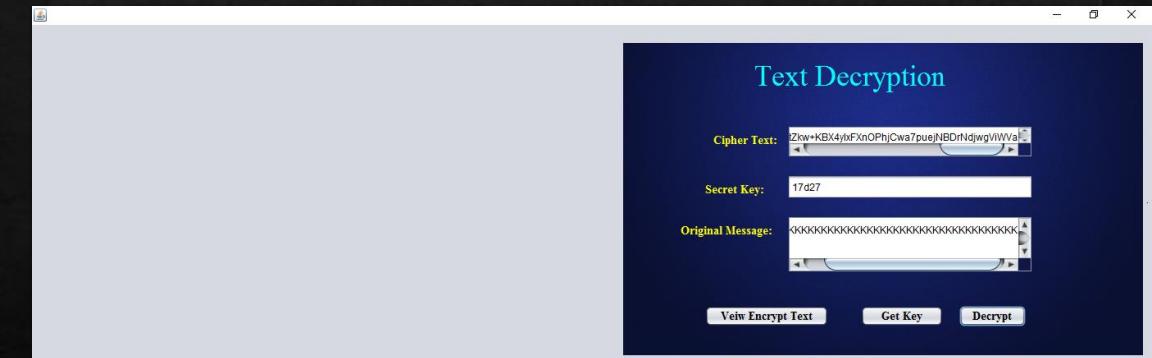
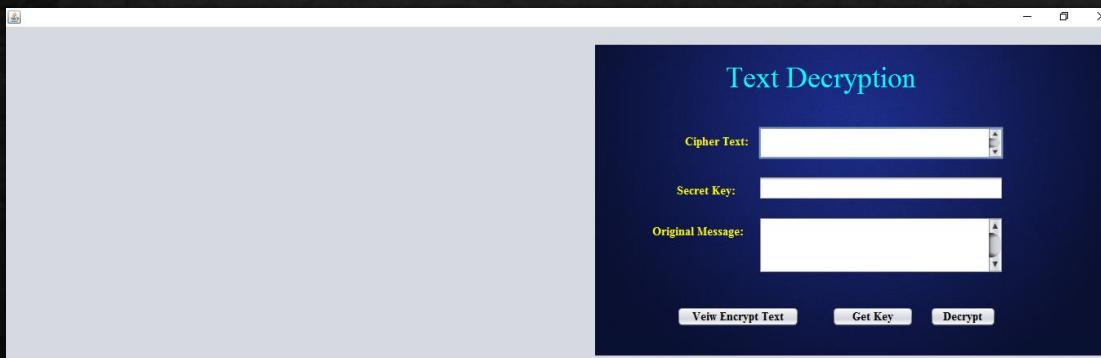
Home page



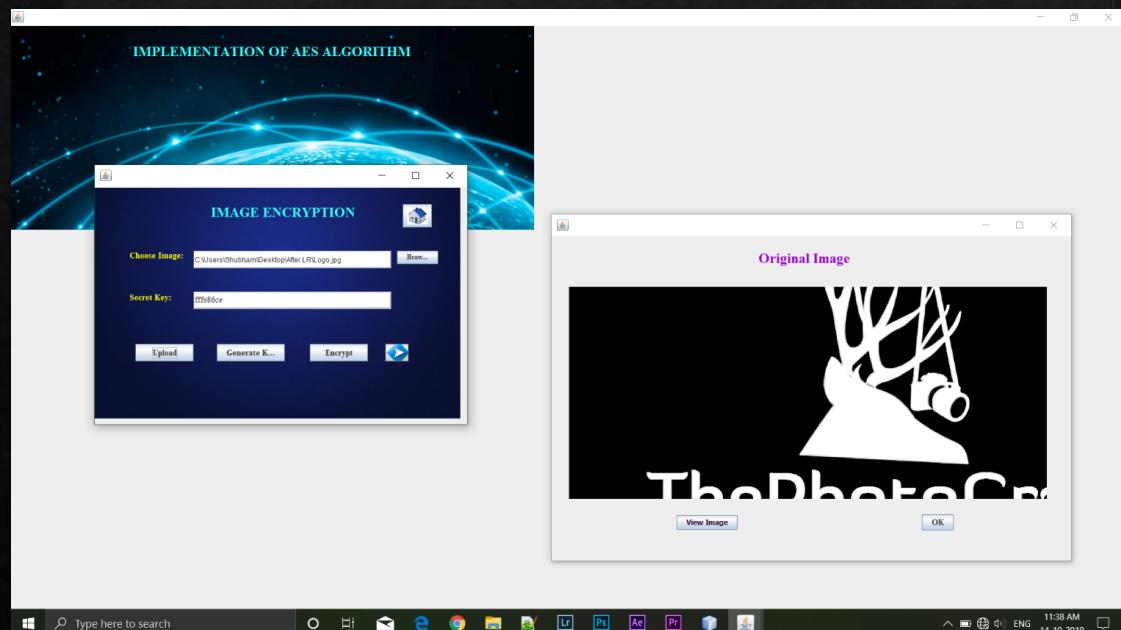
# TEXT ENCRYPTION PAGE



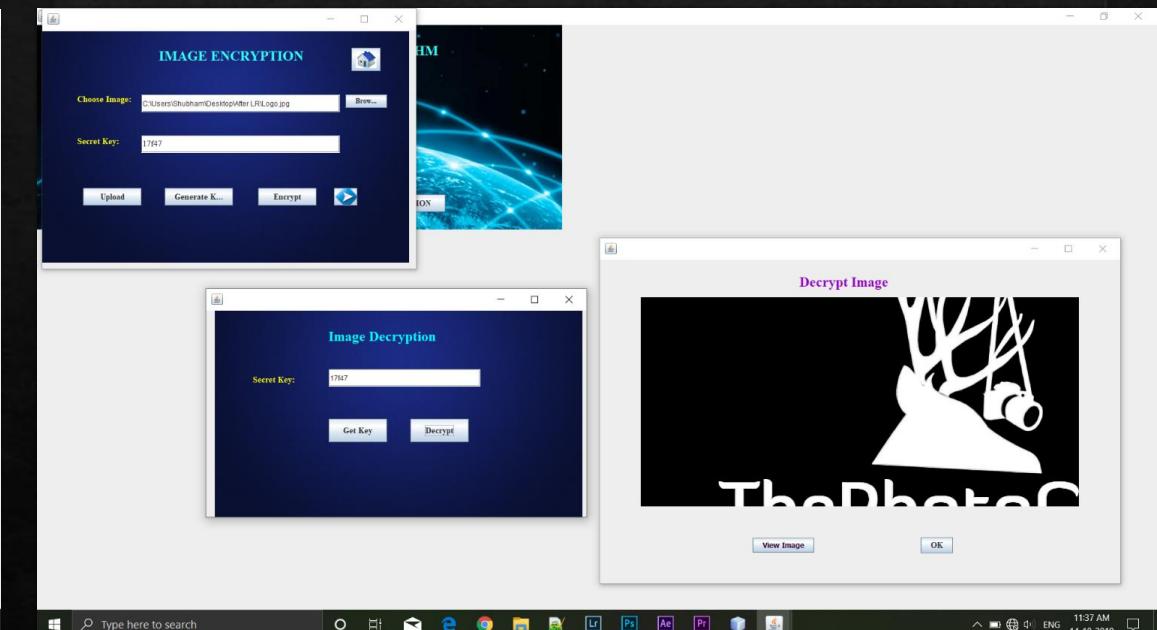
# TEXT DENCRIPTION PAGE



## IMAGE ENCRYPTION PAGE



## IMAGE DECRYPTION PAGE



## Future scope

- ❖ In the future scope , our software can be connected to gps so that location of unnotarized person can be traced and they caught as soon as possible.
- ❖ This software can be used to decrease the no of crimes. Like data robbery.



**ENCRYPTION**  
**PROTECT YOUR PRIVACY**

# Thank you

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