INFORMATICS INSTITUTE OF TECHNOLOGY

In Collaboration with

The University of Westminster, UK

IMCRYPTY – SECURE IMAGE ENCRYPTION AND DECRYPTION SYSTEM

A dissertation by

Ms Shampave Paramanantham

Supervised By

Dr Thilak Chaminda

Submitted in partial fulfilment of the requirements for the BEng. (Hons) in Software Engineering degree

Department of Computing

April 2016

©The copyright for this project and all its associated products resides with Informatics Institute

of Technology

Abstract

Now a days, security is the main issue in the world. To ensure against hackers we require security arrangements that are straightforward by outline. Encrypting data have as of late been broadly explored and created in light of the fact that there is an interest for a more grounded encryption also, unscrambling which is difficult to split. Encryption are usually used to guarantee information privacy and uprightness in various correspondence frameworks and systems. These days, a considerable lot of analysts have proposed large portions of encryption and decryption calculations, for example, AES, DES, Twofish, and so on. Be that as it may, the vast majority of the proposed algorithms experienced a few issues, for example, absence of strength and critical measure of time added to bundle deferral to keep up the security on the correspondence channel between the terminals. This paper proposed an arrangement of Image Encryption that can scramble and decode a picture document.

Subject Descriptors: D.4.6 Security and Protection

E.3 DATA ENCRYPTION

Keywords: Encryption, Decryption, Security, Key, Cryptography, Plaintext, Cipertext, Image Encryption.