

DEDICATION

I dedicate this work to the Almighty God who has been my source of Strength, Grace and Wisdom throughout the period of my course, through whose Grace and Favor I have been able to run my course and scale through the hurdles of my academic pursuit.

DECLARATION OF ORIGINALITY

This project is all my own work and has not been copied in part or in whole from any other source except where duly acknowledged. As such, all use of previously published work (from books, journals, magazines, internet, etc.) has been acknowledged within the main report to an entry in the References list.

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CERTIFICATION

This is to certify that this project report with the title “Digital Image Encryption Using Discrete Cosine Transformation” was carried out by Awe Iyioluwa Samson under the Supervision of:

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Supervisor

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Date

ABSTRACT

In this project work, a cryptographic system is developed using the Discrete Cosine Transformation technique with the aim of encrypting images without losing little or no value of its initial pixel value. The encryption of the image is performed by converting the selected image into a matrix using the image pixel values, then transforming the image pixel using the Discrete Cosine Transformation Technique. The result of the encrypting process is image with altered pixel values and a sequential representation of black, brown and white colors in a sequential order. The tools used in the development of the system are: NetBeans IDE 8.1, Abstract Windows Toolkit and the JAVA programming language.

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