Image Encryption

Project-III - (IT208PPC31) report submitted to

Guru Ghasidas Vishwavidylaya

in partial fulfilment for the award of the degree of

Bachelor of Technology

in

Information Technology

by

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Under the supervision of

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April 03 ,2025

April, 2025

DEPARTMENT OF INFORMATION TECHNOLOGY
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CERTIFICATE

This is to certify that the project report entitled "**Image Encryption** " submitted by **Priyanshu Patel, Rajeev Kumar, Saurabh Singh** (Roll No. 21036139, 21036142, 2103647) to Guru Ghasidas Vishwavidylaya towards partial fulfilment of requirements for the award of degree of Bachelor of Technology in Information Technology is a record of bonafide work carried out by him under my supervision and guidance during April 03 ,2025.

Date: April 03 , 2025

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Abstract

Name of the student: **Priyanshu Patel, Rajeev Kumar, Saurabh Singh**

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Degree for which submitted: **Bachelor of Technology**

Department: **Department of Information Technology**

Thesis title: **Image Encryption**

Thesis supervisor: **Dr. Agnivesh Pandey**

Month and year of thesis submission: **April, 2025**

This thesis investigates the implementation of image decryption techniques using Python, focusing on cryptographic methods to secure and retrieve image data. In a world where digital image data security is crucial, encryption and decryption algorithms provide an essential way to protect privacy and integrity. This work presents an efficient method of image encryption, followed by the corresponding decryption algorithm, demonstrating their application in Python. The decryption methods explored include traditional and modern cryptographic algorithms, and their effectiveness in preserving the integrity of the original image is evaluated.