

Image Encryption

Project-III - (IT208PPC31) report submitted to
Guru Ghasidas Vishwavidyalaya
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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Department of Information Technology
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April 03 ,2025

April, 2025

DEPARTMENT OF INFORMATION TECHNOLOGY
GURU GHASIDAS VISHWAVIDYALAYA
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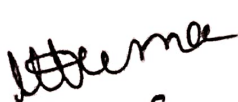


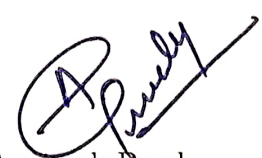
CERTIFICATE

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 Vishwavidyalaya 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

Place: Bilaspur


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Abstract

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

Roll No: **21036139, 21036142, 2103647**

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.