DEPARMENT OF MATHEMATICS

1. LIST OF STUDENT SUBMITTED THEIR PROJECT AND DISERTATION PG (2023-2025)

SL NO.	NAME OF THE STUDENT	ROLL NO.	PROJECT NAME
1	LIPSITA TRIPATHY	28S23MA01	RSA VISUAL: A VISUALIZATION TOOL FOR RSA CIPHER
2	BARKHA PASAYAT	28S23MA02	A NOVEL IMPROVEMENT IN RSA ALGORITHM
3	SUDIKSHYA BARIK	28S23MA03	CRYPTOGRAPHY USING GENERALIZED FIBONACCI MATRICES WITH AFFINE-HILL CIPHER
4	NANDINI SAMAD	28S23MA04	STUDY ON CIRCULANT MATRICES
5	DIPTEEMAYEE KUANR	28S23MA05	HADAMARD MATRICES AND ITS APPLICATION
6	GULNAJ KHATUN	28S23MA07	GAME THEORY
7	ARATI SINGH	28S23MA08	THE FIBONACCI NUMBERS

RSAvisual:A visualization tool for RSA cipher

Project submitted in partial fulfillment of the degree of

M. Sc. in Mathematics

by

Lipsita Tripathy

University Roll no-28S23MA01

Under the Supervision of

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Department of Mathematics
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MARCH 2025

A NOVEL IMPROVEMENT IN RSA ALGORITHM

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April 2025

1

Cryptography using generalized Fibonacci matrices with Affine-Hill cipher

project submitted in partial fulfillment of the requirements for the degree of

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Sudikshya Barik

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STUDY ON CIRCULANT MATRICES

project submitted in particular fulfillment of the requirements for the degree of

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HADAMARD MATRICES AND ITS APPLICATION

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GAME THEORY

Project submitted in partial fulfillment of the requirements for the degree of

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April 2025

THE FIBONACCI NUMBERS

Project submitted in partial fulfillment of the requirements for the degree of

M.S.C. in Mathematics

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APRIL 2025