

Form, 2022

Institute of Information Technology (IIT)

University of Dhaka

Student's Name:	Faria Akter		
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<p>Project Description:</p> <p style="text-align: center;">Implementation of matrix calculator and linear system solver</p> <p>The project goal is to implement the different types of matrix problem solver and solve linear systems using different methods. The project will also handle a real life application of matrix operations like cryptography.</p> <p>In the project the following implementations are to be done:</p> <ol style="list-style-type: none">1. Matrix summation, subtraction2. Matrix multiplication3. Matrix inverse4. Transpose of matrix5. Determination of matrix6. Different methods of solving linear system<ol style="list-style-type: none">a. Cramer's ruleb. Inverse matrixc. Gaussian eliminationd. Gauss Jordan methode. Gauss Jacobi iterative method7. Data Cryptography. <p>Learning Outcome: From this project I will learn the operations of matrix and Linear Algebra.</p>			

Languages or Tools to be used:C, C++, Git, Github

Supervisor's Name: Mohd. Zulfiquar Hafiz

Signature of the supervisor:_____

Date: 09-01-2023