Green University of Bangladesh
Department of Computer Science and Engineering (CSE)
Faculty of Sciences and Engineering
Semester: (Fall, Year:2022), B.Sc. in CSE (Day)

LAB PROJECT PROPOSAL
Course Title: Structured Programming Lab
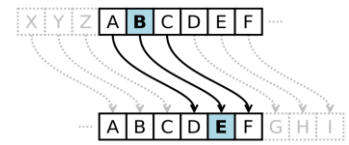### Course Code: CSE 104   Section: DC

Student Details

	Name	ID
1.	**Md. Sohan Millat Sakib**	**222902036**
2.		
3.		

Lab Date   : 01-12-2022

Submission Date   : 06-12-2022

Course Teacher's Name : *JARIN TASNIM TONVI*

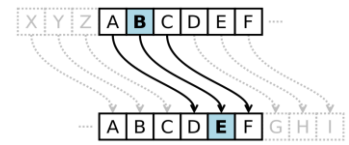[For Teachers use only: Don't Write Anything inside this box]

Title: Data Encryption by a key. (Caesar cipher)

Caesar cipher is a simple method of encoding messages. Caesar ciphers use a substitution method where letters in the alphabet are shifted by some fixed number of spaces to yield an encoding alphabet.

It is a type of substitution cipher in which each letter in the plaintext is replaced by a letter some fixed number of positions down the alphabet. For example, **with a left shift of 3, D would be replaced by A, E would become B, and so on.**

PROBLEM DOMAIN & MOTIVATIONS:

- This is a simple Encryption method and anyone can Encrypt their message using this program.
- We can develop messenger software by using this algorithm which encrypts a massage before sending a message.

OBJECTIVES/AIMS:

In this age encryption is an important issue in our life. Because there have many kinds of messages that we want to hide from another. This is why encryption methods are invented. At first, Encryption is used by kings for communicating. The aims of the encryption method are written below.

- We can encrypt our data by using a simple algorithm.
- Hide data from unwanted persons.

TOOLS & TECHNOLOGIES:

I use **C Language** to write this program. I use **Codeblocks** to write this program & use **GCC-Compiler** to compile this program.

CONCLUSION:

Every technology has some good and bad sides. Like others, it has some good and bad sides. The good side of this program is anyone can Encrypt their message easily. And the bad side of this program is anyone can decrypt the main message by maximum of 26 times trying. This is a small project and through this program, a student can learn how encryption methods are working.