جامعة
القاهرة الجديدة
التكنولوجية

NCT NEW CAIRO
TECHNOLOGICAL
UNIVERSITY

Observation Sheet

Student Name:		
Unit Number and Title:		**Cybersecurity Essentials**
Qualification		Higher National Diploma in Information and Communications Technology (ICT)

Assignment No.	1	Assignment Title:	First Assignment – LO1 and LO2

Description of the activity undertaken

- Providing documentation with the answers of all the theoretical questions
- Developing a mobile application that implements various cryptography algorithms (**general Caesar**, Vigenere, Simple substitution), The features of the application are stated in the assignment documents.

Observation Checklist

The tutor will observe the student perform the following operation independently

Criteria Ref.	Task No.	Task Description	Tick if met
P1,2 P3, M1 D1 P4,5,6 M3,4 D2	1	Main classis of threat (with real life examples)	☐
		How cryptography helps in principle requirements of security	☐
		Symmetric and asymmetric encryption	☐
	2	Explanation of the three algorithms: A. Caesar Cipher and General Caesar Cipher B. Vigenère Cipher. C. Rail Fence cipher	☐
		The algorithm of the mobile application to implant (general Caesar, Vigenere, Simple substitution) cryptography algorithms.	☐
		For each cryptography algorithm, the application should implements the capabilities of Encryption, Decryption and Breaking.	☐
		The source code of the mobile application (working with no bugs on Android or IOS smart phone) that implants (general Caesar, Vigenere, Simple substitution) cryptography algorithms. (Please record a video for your work on DVD) with your own voice	☐

Observer Signature		Date	