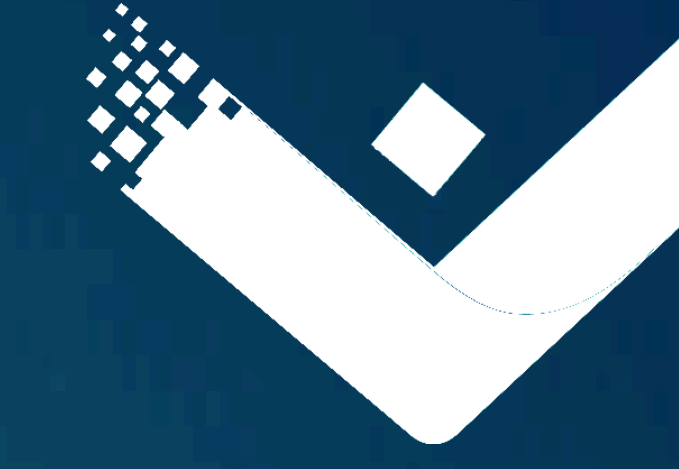




الوكالة الوطنية للأمن السيبراني
National Cyber Security Agency



الأكاديمية الوطنية للأمن السيبراني
National Cybersecurity Academy



المخيم الشبابي للأمن السيبراني
Cyber Security Youth Camp

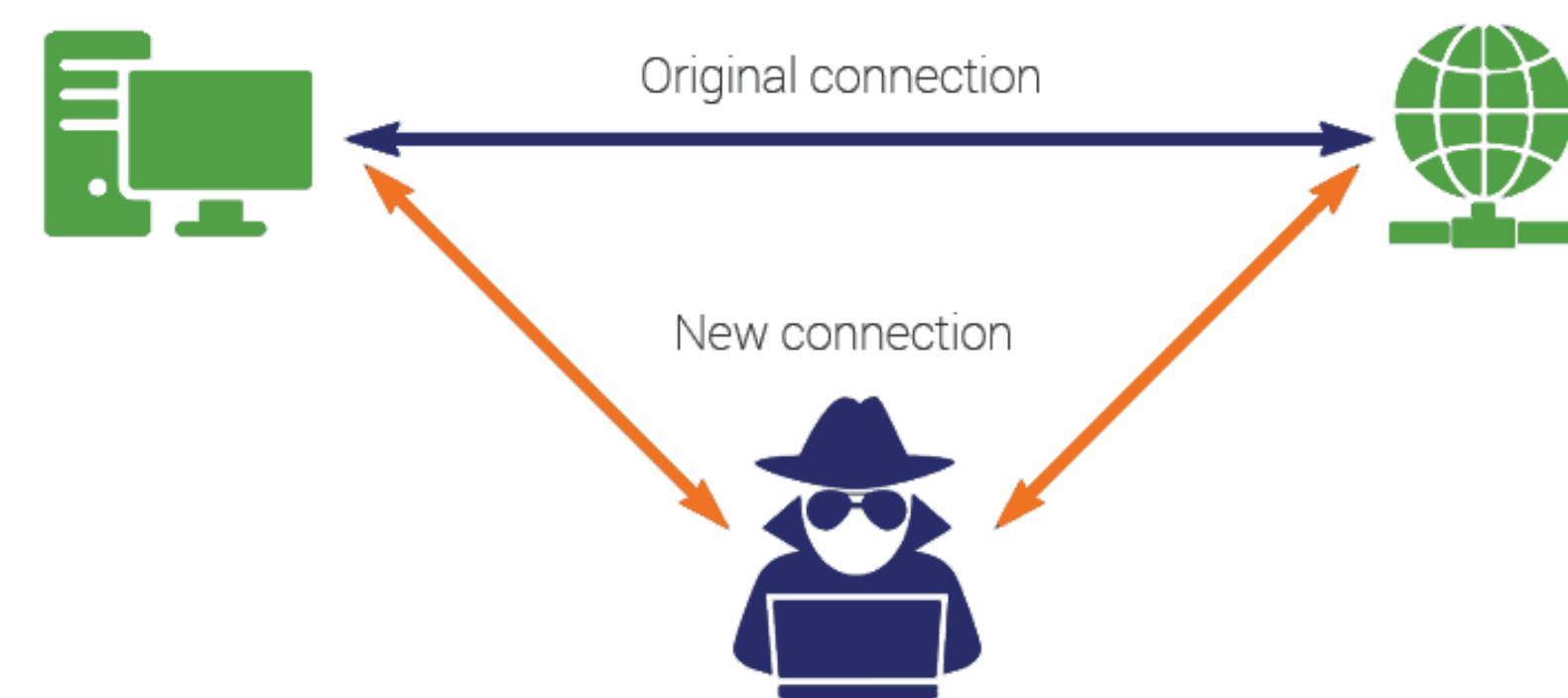
www.ncsa.gov.qa

Project Name: Secure System Files

Team Name: The Doctors

Objective

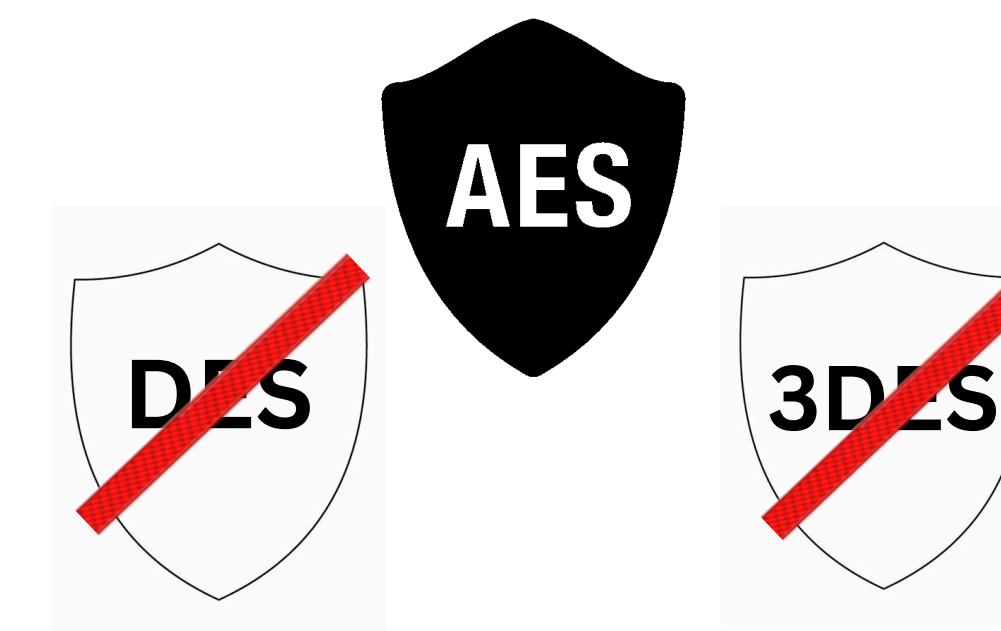
- Our objective is to develop an application for secure encryption and decryption.
- To have an encryption application that is available at all times without the need of internet.
- To ensure that user's data is transferred securely without any disruptions. (eg. Man in the middle attack)



- To have a user-friendly interface, ensuring that all types of users understand how to use the program.

Methodology

- We chose AES over DES and 3DES because it offers stronger security with longer key lengths and faster performance. Unlike DES, which is outdated, and 3DES, which is slower.



- We chose to Create a PyQt5-based GUI for encryption and decryption. This will provide an intuitive interface for secure data handling.

- Our aim is to use PyCryptoDome to enhance security. This will ensure stronger encryption and protection for our application.



Solution

