## Introduction to ****Cybersecurity****

## With so many organizations undergoing huge digital transformations, awareness of the ongoing looming presence of cyberattacks continues to grow – not only for large organizations but also for small businesses. Now, ****Cybersecurity**** is nothing new but its trends definitely are!

## Who We Are

The UAUT cybersecurity club is a student’s club with the goal of providing outside-of-class activities relevant to the industry. Attendees will leave with valuable experience proven to be useful during interviews and jobs. The club is open to everybody at UAUT no matter what experience level or major you are. Our goal is to expand our knowledge of cybersecurity and information security through hands-on experience and direct interaction with professionals in the field.

**Objectives**

The UAUT cybersecurity club objective is provides students with an opportunity to pursue cybersecurity topics that will support and enrich their education. The club will promotes and encourages student activities, collaborative relationships, interdisciplinary activities, and overall cyber awareness.

**Membership**

Membership is open to UAUT students currently will enrolled in any degree program.

## Club Meetings

Every Tuesday or Thursday evening from 4:30 p.m. to 6:00 p.m.

## Spring 2021/2022 Meetings

* Month \_: Social Engineering with OSINT
* Month \_: Keyloggers: How they work
* Month \_: Embedded Code in YouTube Videos
* Month \_: Python Type Hinting/Checking

# **Cybersecurity Club**

**Brief**  
Cyber Security Club is established to be the platform that brings together the students of UAUT University. The club provides them with software and security features so they can exchange ideas and visions regarding the development of their thoughts in the field of protection and cybersecurity. The club is a perfect meeting place for students interested in cybersecurity.

**Mission**

Excellence in building the student and developing his skills in the field of cybersecurity and helping to spread and support research and students ’ideas, creating a stimulating and stimulating university atmosphere of ideas.

**Objectives**  
1. Supporting and developing university students at the national level in the fields of cybersecurity.  
2. The club is considered the link between the university and the various related official departments in the Kingdom, such as the Saudi Federation for Cyber ​​Security, Programming and Drones.  
3. Attracting creative students to hon their skills so they can contribute to the Kingdom's 2030 vision and Kingdom's digital transformation plans..  
4. Understand and learn social engineering applications and tools.  
5. Organizing cybersecurity competitions and bootcamps, such as "flag capture" competition.  
6. Supporting the exchange of experiences and expertise in the field of cybersecurity, penetration, and resolution of similar problems  
7. Supporting students who wish to participate in their projects and present them in conferences, forums, and workshops  
8. Meeting security experts to take advantage of their expertise and guidance  
9. Promote competition and innovation among students by awarding prizes and certificates of appreciation.  
10. Conducting special training courses to develop safety and privacy methods in the field of cybersecurity.  
11. Rich awareness of the importance of cybersecurity in Saudi culture  
12. Contribute to providing job opportunities for student competencies in the field of cybersecurity

**Security Programs**

1. User awareness program – designed to make user/ employees/ students aware of potential security threats and risks <https://blog.usecure.io/12-security-awareness-topics-you-need-to-know-in-2020>
2. User training – dedicated training sessions which educate users on the corporate security policies, how to create strong passwords, how to avoid potential threats

**Common Attacks**

* Dos (Denial-of-Service) attacks
* Spoofing attacks
* Main-in-the-middle attacks
* Reconnaissance attacks
* Malware attacks
* Social Engineering attacks
* Password-related attacks