**Mini project in network security**

**Phishing Attack**

1. **Project Description**

As part of the project, we created a website that creates phishing attacks on different platforms. The site is mainly intended for company owners who wish to test the level of awareness of the company's employees for phishing attacks.

A company that wishes to use our website can choose one or more of the following attacks: an attack via text message, via WhatsApp message, via email or directly via a fictitious website.

The company's employees will be sent a fabricated message about allegedly winning a pair of tickets to the concert, and a link to a website where they must fill in their personal details to receive the tickets.

The fictitious website saves the personal details entered and thus the information about all the employees who failed the phishing test is collected.

At the end of the process, the website allows the company to see statistics showing the test results.

1. **How to run the project**

The project is sent in a zip file, which contains a Python file called main.py. Run it and the browser will open the website.

On the home page there are 5 options, click on the option you wish to use.

Note:

* When entering a phone number, please fill the phone number with +972

For example: 054-123567 => +972541234567

1. **Difficulties and Challenges**

During the implementation of the project, we encountered several difficulties:

1. Fake phone number - to maintain anonymity, we had to create a fictitious phone number. The various platforms that offer such a service often come with various restrictions, to which we have been delegated to adapt our code. Finally, we found Twilio, with which the way of working was the most accessible.
2. Saving the information of the company's employees - to perform statistical calculations, we had to save the information that the users entered, in such a way that it would be available to the phishing site. After research, we made connectivity between the fictitious site and the phishing site (the main site) and thus we were able to perform the necessary calculations.