**Shira Baron - 208761452**

**Hadar Baron - 316128842**

**Gal Hadida - 205516321**

**Roi Abramovitch - 311505481**

Vision Statement

**Project Objective: Email phishing**

**Input**: The system will receive fake email that looks like an original email

**Output:** The system will alert you that this is a phishing email

**Project Scope**: Emails are widely used as a means of communication for personal and professional use. The information exchanged over mails is often sensitive and confidential such as banking information, credit reports, login details etc. This makes them valuable to cyber criminals who can use the information for malicious purposes.

In a phished email, the sender can convince you to provide personal information under false pretenses.

This project considers the detection of a phished email as a classification.

By using of machine learning algorithms, we will Classify suspicious emails that look just like original emails as phished or ham

**Features:**

**Necessary:**

* Understand how email phishing is done and how can it be identified
* Understand how to use machine learning and how to adapt it to phishing detection
* Read academic articles on phishing detection

**Milestones:**

1. Research on existing Emailsphishing libraries and academic articles.
2. Understand how machine learning works and how to adopt it to our project
3. Find a dataset of phishing emails and train our machine to classify the emails
4. Get a Maximum accuracy of prediction
5. Find if the we can detect the fake email even if it looks like real email
6. Make a website, extension for web or app that protect users from phishing in emails

**Note:** The entire process will be performed according to appropriate methodology.

**Target audience and demand:**

The project under the cyber-attack and phishing attack category that very common those day.

The project is designed for anyone who wants to protect himself from phishing using emails.