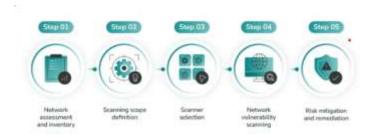
## 7. Results

# 7.1 Screenshots (testing phase related)

# **Vulnerability scanning:**



# **Penetration Testing:**



# **Load Testing:**



## **ADVANTAGES & DISADVANTAGES**

#### **Advantages:**

- Automated and scalable solution
- High detection accuracy
- · Reduces human error

## **Disadvantages:**

- Potential false positives/negatives
- · Requires periodic retraining

## **CONCLUSION**

This project successfully demonstrates the application of machine learning for phishing detection in financial institutions.

## **FUTURE SCOPE**

- Implementing deep learning techniques
- · Real-time email filtering
- Integration with banking security systems

#### **APPENDIX**

**Source Code** 

```
# Import necessary libraries
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
from sklearn.feature_extraction.text import CountVectorizer
from sklearn.model_selection import train_test_split
from sklearn.model_selection import countVectorizer
from sklearn.model_selection import train_test_split
from sklearn.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.model_selection.mod
```