



Knight Foundation
School of Computing
and Information Sciences

KFSCIS/FIU

Summer 2024 Capstone 2

Cyber Awareness Training

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CTFIU
KNOWLEDGE SIMPLIFIED.

PROBLEM

Technology evolves faster than we can keep up, and with its benefits come along many vulnerabilities which are constantly being discovered and exploited. Despite the use of logical and technical security for privacy and protection from these, users are still the weakest link in this plight. The problem mostly exists because users lack proper awareness training to adequately respond to threats and their tactics.

CURRENT SYSTEM

The Cyber awareness Training course and its entire services can be accessed by any system as we used the WIX website builder platform. Users have access to the content through a browser.

REQUIREMENTS

Our awareness training website had to adequately represent the essence of our subject matter. Ensured that our cybersecurity program provided metrics for managerial purposes. All users will receive certification notification via email having passed all quizzes over 80%.

Users have to register with their emails.

SYSTEM DESIGN

Created a Google Document with Training course content and detailed attacks description and best responses in 12 areas. These are:

1. Social Engineering tactics and techniques
2. Phishing attacks
3. Tailgating
4. Malware – Ransomware, adware, scareware
5. Passwords
6. Physical Security
7. Mobile Security
8. Working Remotely
9. Removable media
10. Social Media
11. Safe Web Browsing
12. Incident Response

OBJECT DESIGN

Created awareness training videos inclusive of 1. Introduction 2. The need for Cyber awareness. 3. Social engineering. 4. Impersonation and tactics 5. Phishing. 6. Social engineering quiz 7. Phishing quiz 8. Created favicon for website 9. Created services sections. 10. Created our looping brand video 11. Applied dynamic transitions for scrolling and other animations 12. Made necessary connections for hyperlinks between pages. 13. Created text-to-speech audio for videos 14. Created booking section. 15. Created online booking schedule 16. Created online IRP planning scheduling service 17. Created CTFIU advanced awareness Training service. 18. Created an award certificate for program participants. 19. Created professional style introduction video for our brand.

IMPLEMENTATION



VERIFICATION

This verification process was mostly done amongst ourselves by performing quality assurance and feedback amongst ourselves as we built our product.

SUMMARY

I believe we have a website that can be very effective in training users on how to recognize and defend themselves against threats when needed. The program is easily accessible and allows flexibility of schedule, while being able to provide sufficient metrics for audit and monitoring purposes. It allows room for significant improvement by staying up to date with trends, allowing virtual consultations and providing services beyond just training to enforce cybersecurity on a wider scale.

REFERENCES

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