Reflection Paper

IT180F

Seminar/Workshop Information

Seminar/Workshop Title: Cybersecurity awareness

Speaker: Dr. Marlon Tayag

Date: 15/4/2023

Time: 4:00 PM

Terminologies

Cybersecurity - practice of protecting electronic devices and information from unauthorized access.

Hackers - Individuals who use technical skills to exploit vulnerabilities in computer.

White Hat Hackers/ Ethical Hackers - Individuals who finds and reports vulnerabilities in computer using their technical skills.

Red Hat Hackers/ Hacktivist - A hacker who acts as a digital activist or vigilante and uses hacking knowledge to convey a message.

Malware - malicious software that can infect and steel information from computers.

Gray Hat Hackers - Individuals who use their technical skills to identify exploits and vulnerabilities.

Script Kiddies - Individual who use pre existing tools or script to carry out a cyber attacks without understanding the underlying consequences of their action.

Ransomware - encrypt files and demand payment for the decryption key to unlock the files.

Social engineering - attack that relies on psychological manipulation to trick individuals into divulging sensitive information or performing certain action.

Scammers - Individuals who use deception to trick people to give money or sensitive information.

Black Hat Hackers - Individuals who gains unauthorize access for personal gain or to cause harm using their technical skills.

Phishing scam - fraudulent emails or websites that trick individual in giving sensitive information.

DDoS - Distributed Denial of Service - attack in which a network of compromise computers is used to flood a target with traffic becoming unavailable to legitimate users.

Significance of the Seminar/Workshop

The significance of the seminar is how cybersecurity is beneficial and important to us in our daily life.

Materials

Laptop, Camera, Stable Internet Connection

Software

MS Teams, Radware, Virtual Box, Shodan

Learnings from the Seminar/Workshop

I learn from the Seminar/Workshop that Cybersecurity is very important since in today's word most of our valuables are now stored in files stored in a hard drive or any storage software in which is very vulnerable. It is also very important to know and learn how cybersecurity works and how it will benefit you in the long run specially that technology is growing fast. I also learn that nothing is safe even on the web since in just a click of a button your information might be shared and stollen by others. In the workshop I learn how beneficial it is to learn cybersecurity and how to not just defend on a cyber attack but how attackers think and make their attacks. Also, during the seminar workshop, I learned about different threats such as viruses' malwares and scams that attack users to either attack and steal or send a message as a hacktivist. I also realized that Cybersecurity is a job that is very important and valuable specially in big companies since you are their line of defense when it comes from data and information.

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