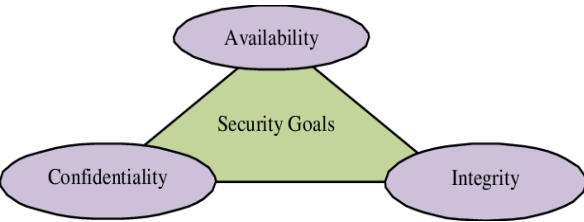# Cyber Security TERMS

Cyber Security Foundation Course

AGENDA

- CIA (Confidentiality, integrity and availability)
- Policy
- Threat
- Vulnerability
- Exploit
- Patch
- Asset
- Breach
- Malware
- Attacker\Bad Guy

CIA (Confidentiality, Integrity and Availability)

- ➢ **Confidentiality:** Prevent the confidential data and sensitive information from reaching to Wrong People. (Encryption)

- ➢ **Integrity:** maintain the accuracy and trustworthiness when Moved from point to another (Hashing).

- ➢ **Availability:** ensure The Availability of the Data and Services.

Policy

The Policy in CyberSecurity is guidelines for transferring company data, accessing private systems, etc..

the main goal of the policy is to Achieve the Cyber Security goals(CIA (Confidentiality, Integrity and Availability).

Vulnerability

Vulnerability is a Flaw or weakness on System, Application or Configuration which can be exploited by malicious Actors to gain unauthorized access to or perform unauthorized actions on a computer system.

Exploit

An exploit is a code or Command that takes advantage of a software or a System vulnerability to remotely access a system, gain a privileges on the System, or run a malicious code on the system.

Patch

A patch is a set of changes to a system program or its supporting data designed to update, fix, or improve it. This includes fixing security vulnerabilities

Asset

any data, device, people, or other component of the environment that supports information-related activities.

Threat

Malicious Actor that seek to Abuse Asset, damage or steal data, steal Credentials, or disrupt digital life in general.

Breach

Malicious Actor was Succeeded to gain unauthorized Access to organization protected Systems or Data which lead to system damage, data loss, etc..

Malware

software that is specifically designed to disrupt, damage, or gain unauthorized access to a computer system

Attacker\Bad Guy

The adversary that seek to gaining unauthorized access to you environment in order to damage systems or data or steal sensitive info.

Thanks!

Any questions?