## Module 2

## What you'll learn

· Verises

· Malware · Social Engineering

· Digital age · Security domais

## Key Terms

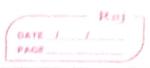
Computer Verus: Maliciour code written to interpere with computer operation and cause damage to data and software

Molware Software designed to harm devices or

Social Engineering: A manipulation technique that exploise human error to gain private informations, access or valuables

Chishing: The use of digital communication to trick people into sensitive data or deploying malacious software

Note: - During the Equifax breach. over 143 million curlomer records were slotles and the breach affected approximately 40% of all Americans



Common Altack (SIRT = computer security incident and response team Phishing: Some major once are · Business email compromise (
· Spear for phishing (target specific user)
· Whating (Escecutive of company)
· Vishing (electronic voice esploitation
· Smishing (use of text message) Malware: Verises · Worms (deplicate and spread itself) · Ransomware ask payment to restore access ofter breaching) · Spyware (gather and sell info without consent) Social Engineering.

Social media phishing Called data from said media)

water hole attack C attack a website frequen · Visited by geroup of vsers).

· USB baiting: (Strategically leave malurar · Physical social engineering ( impersonate)



I Security and Risk Management Asset security security architecture and engineering Communication and network security Identify and access management security assessment and testing Security operation software development security Full form: Certified Information system security
- Certified Propersional Security and Risk Management:

Define security goals and objective risk miligation, compliance, business continuity Asset Severity: Carter Asset Severety:

Secure digital and physical assels
Italso related to the storage maintenance, retention
and destruction of data Security architecture and Engineering
Oplinizes data archi security by
ensuring effective tools, system and processors wire in



Commerciation and network security: Manage and secure physical network and wireless commerciation

Identify and access management:

Kup data secure, by ensuring over

follow established policies to control and manage physica

assets like office space and logical assets such as relivork and

application.

Dewity assessment and testing

Conducting security control testing, allow

and analyzing data and consorting security audits

to monitor for risks, threat and violar ability

Security operation :

Conducting investigation

and implementing presentative measures

Software development security:

Dres source coding

peractices which are a set of recommended

girdeline that are assed to create secure applicate

and services