



# Cyber Security

Action against cyber crime

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# What is cyber security?

- Cyber security standards are security standards which enable organizations to practice safe security techniques to minimize the number of successful cyber security attacks.
- Cyber security refers to the technologies and processes designed to protect computers, networks and data from unauthorized access, vulnerabilities and attacks delivered via the Internet by cyber criminals.
- Though, cyber security is important for network, data and application security.

# What is...?

- Communication security-protecting organization communication media , technology , and content.
- Network security-is the protection of networking components, connection and content.
- Information security-protection of information and its critical elements , including the systems and hardware that use , store or transmit that information.

# What is cyber crime?

- The former descriptions were "computer crime", "computer-related crime" or "crime by computer". With the pervasion of digital technology, some new terms like "high-technology" or "information-age" crime were added to the definition. Also, Internet brought other new terms, like "cybercrime" and "net" crime.
- Other forms include "digital", "electronic", "virtual", "IT", "high-tech" and technology-enabled" crime .

# History

- The first recorded cyber crime was recorded in the year 1820.
- The first spam email took place in 1978 when it was sent over the Arpanet.
- The first Virus was installed on an Apple Computer in 1982.

# Cyber crimes includes

- Illegal access
- Illegal Interception
- System Interference
- Data Interference
- Misuse of devices
- Fraud

# Why should we care?

- It is a criminal activity committed on the internet.
- Cyber crime-Where computer is either a tool or target or both.

# How can we protect?

- Read Privacy policy carefully when you submit the data through internet.
- Encryption: lots of website uses SSL (secure socket layer)to encrypt a data.
- Disable remote connectivity.



# Advantage of cyber security

- It will defend from hacks and virus.
- The application of cyber security used in our PC needs update every week.
- The security developers will update their database every week once. Hence the new virus also deleted.

# Safety tips ...

- Use antivirus software
- Insert firewalls , pop up blocker
- Uninstall unnecessary software
- Maintain backup
- Check security settings
- Use secure connection
- Open attachments carefully
- Use strong passwords , don't give personal information unless required

# Conclusion

- The only system which is truly secure is one which is switched off and unplugged.
- So , only way to be safe is Pay attention and Act smart.