

CYBER SECURITY

DEFINITION:

Cyber Security refers to the protection of computers, networks, software, and digital information from unauthorized access, attacks, theft, and damage. As more activities such as banking, communication, and education move online, the need for cyber security becomes very important.

MEANING OF CYBER SECURITY

Cyber security is the practice of protecting digital systems, devices, and data from cyber attacks, hackers, viruses, and other online threats.

IMPORTANCE OF CYBER SECURITY

1. Protects personal and organizational information
2. Prevents financial losses from online fraud
3. Protects privacy of individuals
4. Ensures safe online communication
5. Prevents system damage caused by malware and viruses
6. Protects national security systems

COMMON CYBER SECURITY THREATS

1. Malware – Harmful software such as viruses, worms, and spyware that damage systems.
2. Phishing – Fake emails or messages designed to trick users into revealing personal information.
3. Hacking – Unauthorized access to computer systems or networks.
4. Identity Theft – Stealing someone's personal information for illegal use.
5. Ransomware – Malware that locks files and demands payment for release.
6. Password Attacks – Attempts to guess or steal passwords.

CYBER SECURITY PROTECTION METHODS

1. Use strong and unique passwords
2. Install antivirus and anti-malware software
3. Keep software and operating systems updated
4. Avoid opening suspicious emails or links
5. Use firewalls to protect networks

6. Enable two-factor authentication

7. Regularly back up important data