



CYBERSECURITY TRAINING FOR TEACHERS (CTT)

Module 2

Cybersecurity Threats and Mitigation

Vulnerability: A known weakness in the system that hackers could use to cause harm

Threat: An incident that has the potential to harm the system

Risk: Likelihood of a damage or loss to occur

A threat exploits a vulnerability in a system which leads to a risk

Common cyber-attacks on online learning platforms:

- Classroom hijacking
- Security breach
- Identity theft
- Ransomware



Signs of an Attack:

- Your computer speed has slowed down significantly
- Your security software has been disabled or compromised
- Software or browser add-ons appear that you don't recognize
- Additional pop-ups are happening
- Random shutdowns and restarts are happening on your machine
- You've lost access to your account

Attack vectors:

- Malware
- Viruses
- Web pages
- Pop-ups
- Email attachments
- Social engineering



Important steps to protect yourself online:

- Don't open mail from untrusted sources
- Make sure your devices are up to date
- Use strong passwords
- Use two-factor authentication
- Don't click on strange-looking links
- Avoid using unsecured public Wi-Fi
- Back up your data regularly
- Be smart with personal identifiable information
- Educate students, family and friends about cybersecurity
- Avoid sharing personal information online

Reporting Cybercrime:

- Report to the IT Administrator within less than 24 hours
- Report online via sector specific agency website within your country



Note: Cyber threats have evolved, and so have we.