

Your Human Firewall – The Answer to the Cyber Security Problem

Course: Cybersecurity

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From <<https://www.youtube.com/watch?v=BpdcVfa2d88>>

Questions/Key Concepts

What is phishing?

What can a company do to protect themselves online?

What tools do I need to make myself secure

What can I do to protect myself online?

What types of cybersecurity variants are there?

Notes:

various types of cyber threats, including malware, ransomware, and social engineering attacks like phishing.

It emphasizes the **need to understand what cybercrime is** and its potential consequences, both for individuals and organizations.

Cybercrime has a significant financial impact, with billions of dollars lost annually due to **data breaches**, fraud, and cyberattacks.

It highlights the importance of **valuing and investing in cybersecurity measures to protect sensitive information** and **maintain trust**.

Phishing is explained as a **deceptive tactic where attackers pose as trusted entities to trick individuals** into revealing sensitive information. **Whaling refers to similar attacks targeting high-profile individuals or organizations = CEOs, CFOs, CIOs**

Summary:

Understanding cybersecurity concepts is imperative for students in today's technological world. It not only enhances personal security by **safeguarding sensitive data and communications** but also promotes digital literacy. With cyber threats on the rise, this knowledge is essential for recognizing and defending against various online dangers, **including cyberbullying**. Moreover, it opens doors to diverse career opportunities, as the demand for cybersecurity professionals continues to grow. Students equipped with cybersecurity expertise can contribute to protecting organizations from cyber threats, ensuring the security of educational and research data, and **driving innovation** and entrepreneurship in the digital realm. It also instills ethical responsibility, **fostering responsible digital citizenship** and the advocacy for **stronger data privacy regulations**.