

Week 1

Computer virus: self-propagating computer program designed to alter or destroy a computer system resource.

Vandalism: act of deliberate destruction of or damage to public or private property.

Rate of cyber vandalism is increases due to:

- Weakness in Infrastructure and telecommunication protocols.
- Limited knowledge of average user.
- Dependency on unknowns.

Best practice comes after attacks: patching loopholes.

Why do we need a national cybersecurity policy?

- Raise awareness on vulnerability and consequences on our wellbeing.
- Ensure preparedness to cyber-attack.
- Improving detection, prevention, and handling of cyber-attacks.
- Improving regulatory and legal frameworks to handle cyberspace's social consequences.

Computer ethics: the analysis of the nature and social impacts of computer technology and the corresponding formulation and justification of its ethical use.

Why should we study CE?

- Existence of policy vacuum because of confusion between what is presented and known policies.
- Learning makes us more professional.
- To avoid abusive use and catastrophes.
- Advances of Computer Technology.
- Permanent ethical impacts.
- Largely emergent complex issues.

Why Cyber-attacks continue to exist?

- Weak infrastructure and communication protocols.
- Limited user knowledge on networks.
- Increase addiction to unstable infrastructure.
- Absence of long-term public literacy policy.
- Limited number of remedies.
- Patching loopholes.
- Unpredictability of cost.
- Limited case reporting.