

# **Cyber warfare - Attacks Against Critical Infrastructure**

Cyber attacks offer terrorists the possibility of greater security and operational flexibility. Theoretically they can launch a computer assault from almost anywhere in the world, without directly exposing the attacker to physical harm. Future wars will see hackers using computer code to attack an enemy's infrastructure, fighting alongside troops using conventional weapons like guns and missiles.

Dhishna'20 presents you a one day workshop on Cyber warfare with certificate to each participant.

**Venue** - School Of Engineering, CUSAT

**Date** - January 11

**Registration Fee** - ₹700

**The workshop covers the following areas in cyber warfare :-**

1. Information security 101- knowledge of cyber security
2. Industrial espionage Cybercrime
3. How data collected from publicly available sources to be used in an intelligence context
4. How cyber criminals may also intend to install malware on a targeted user's computer - spear-phishing
5. Enumeration and its type, vulnerability assessment and attacking the machines.
6. Password cracking , hashing techniques and steganography methods
7. Hackers to execute system commands on a server, via reverse shell- reverse shell injection
8. Fetch the valuable data stored in the server using privilege escalation .
9. How hackers remain anonymous online and protect their identity
10. Essential steps for preventing cyber attacks on your company

The workshop also provides a great opportunity to interact with experts in this domain. There would be hands on session in this domain during the workshop