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## Industry 4.0: Cybersecurity

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## What is Cybersecurity?

- In computing, security consists of
  - Cybersecurity
  - Physical security
- Protection of internet-connected systems from cyber-attacks is known as cybersecurity.

Source: Techtarget.com: Cybersecurity



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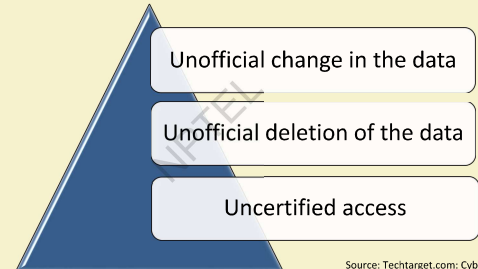
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## What is Cybersecurity?

- This protection involves protection of
  - hardware
  - software
  - data
- Enterprises use cybersecurity and physical security simultaneously against unofficial access to data centres.

Source: Techtarget.com: Cybersecurity

## Protect against what?



Source: Techtarget.com: Cybersecurity



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## Components of Cybersecurity



Source: Techtarget.com: Cybersecurity

## Elements of cybersecurity(Contd.)

- Application security
  - It ensures the protection of applications from outer threats.
  - Some software, hardware and procedural methods are used for protection.
  - Some actions are needed to certify application security; these actions are known as countermeasures. There are two types of countermeasures.
    - Software countermeasure: application firewall
    - Hardware countermeasure: router/proxy

Source: Techtarget.com: Cybersecurity



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