

# Computer Crimes and Abuses

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# Outline

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- Introduction.
- Computer crime and computer Abuse ?
- Types of Computer Crimes.
- Laws and Acts about Computer Crimes.
  - In USA
  - In KSA
- Facts and Surveys !
  - School of Cyber Laws
  - Computer Security Institute (CSI)

# Introduction

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- Computer Crimes:
  - 1<sup>st</sup> half of the year !
  - Mondays + Fridays + Saturdays.
  - Mostly in September.
- 97 % victims are Female employees.
- Difference between Comp. Crimes & Abuse ?
- What is most crime happen ?
  - Data Theft !

# What is a Computer Crime & Abuse

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- Unethical, illegal, or criminal activity
- Directed to any information architecture.
- Crimes happens on Computers or Network.
- Computer Crimes – Electronic Crimes.
- Computer Crimes: forgery , theft , fraud.
- Computer Abuse: bad use of computer.

# Types of Computer Crimes

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**Cyber Crime**

**Cyber Stalking**

**Computing Virus**

**Fraud and Identity Theft**

**Cyber Terrorism**

**?**

**Information Warfare**

# Laws and Act of Computer Crimes in USA

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- To reduce the impacts of computer crimes.
  - In 1984, US Congress introduced:
    - The Computer Fraud and Abuse Act.
    - Modified in 2001 by USA PATRIOT:
1. Maximum penalty for violations =10 years  
1<sup>st</sup> time, 20 years 2<sup>nd</sup> time of offense .
  2. Increase the punishment – governmental  
Unauthorized access to more than \$ 5000.
  3. including damage to foreign computers  
Having violations to more than \$ 5000.

# Laws and Act of Computer Crimes in KSA

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- Saudi Legislation Body , “ Al-Shoura “
  1. Websites defacing + data theft  
cause a fine of **\$ 130 thousand** or even a maximum **one year** prison sentence.
  2. Same punishment - using the internet or electronic tools for defamation or even to accessing others private networks.

# Laws and Act of Computer Crimes in KSA

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3. Websites - pornographic content
  - Defaming humanity.
  - Information promoting drug.
  - Punishment = 5 years in prison !
4. **Hacking** - Governmental Networks Access
  - Spreading or Sharing terrorism-related knowledge.
  - Punishment = **\$ 1.3 million and ten years in the prison**



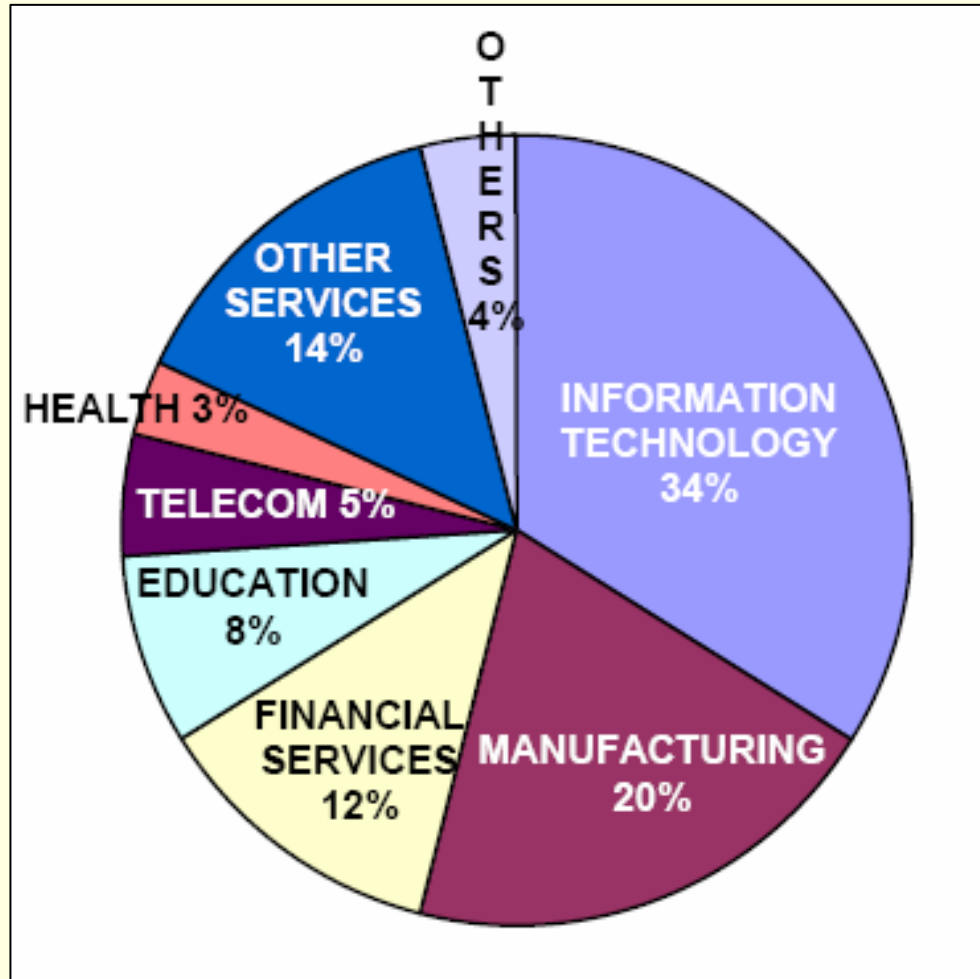
# Facts and Surveys !

## School of Cyber Laws (ASCL) - India

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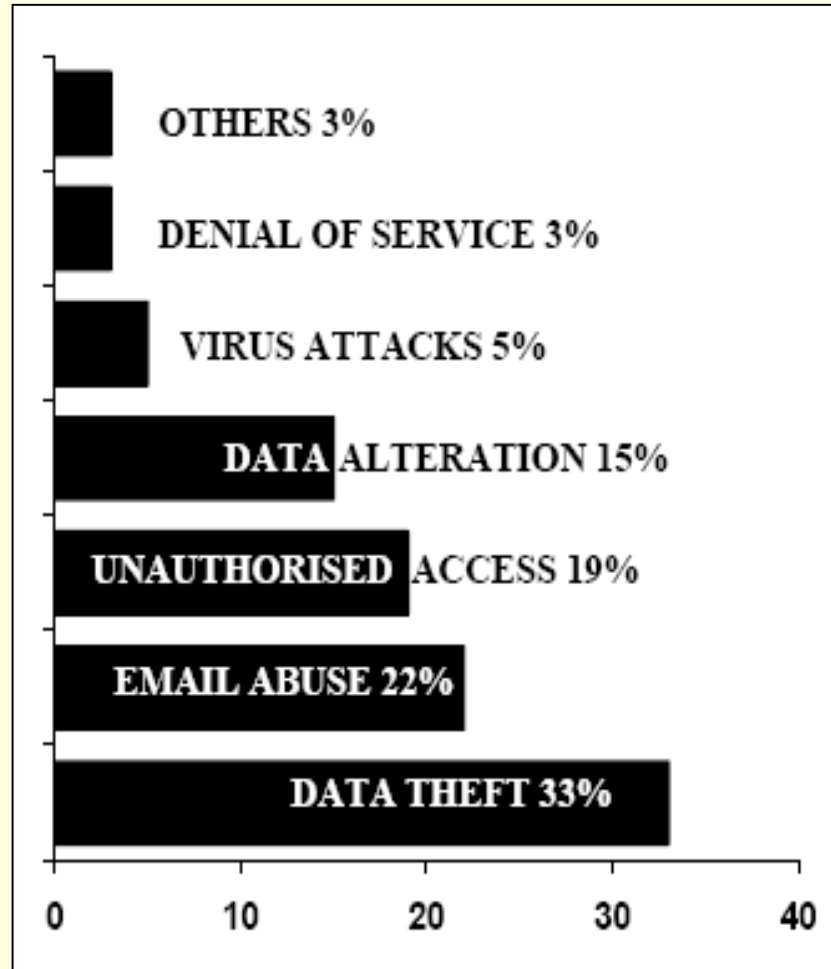
- 6266 incidents of computer crime and abuse.
- Two years ( 2001 – 2003 )
- All organizations participated – survey.
- Most impact on IT organization – why ?
- Least on some other organizations :

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# Facts and Surveys !

## School of Cyber Laws (ASCL) - India



# Facts and Surveys !

## Computer Security Institute (CSI)

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- In 2005, another survey done by
  - Computer Security Institute (CSI).
- Reported important statistics:
  1. Financial losses resulting from **hacking** some security centers decreased to 61%
    - average loss of **\$ 204,000** per respondent from **\$ 526,000** in 2004.

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2. About **32%** of overall financial losses – by virus attacks !
  
3. The unauthorized access
  - dramatically increased to **24%**.
  
4. Theft of proprietary information – **Doubled.**

# Conclusion

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- Computer crimes – result of bad use of computer.
- Types of Computer Crimes
  - What is left ?
- Strict Global and Local laws.
- Statistics and Facts.

# Questions and Answers