

# CYBER CRIME AND SECURITY

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# INTRODUCTION

Cyber crime is an activity done using computers and internet. We can say that it is an unlawful acts wherein the computer either a tool or target or both.





# HISTORY OF CYBER CRIME

- ✖ The first recorded cyber crime took place in 1820.
- ✖ That is not surprising considering the fact that the abacus, which is thought to be the earliest form of a computer, has been around since 3500 B.c.
- ✖ In India, Japan and China, the era of modern computer, however, began with the analytical engine of Charles Babbage.
- ✖ The first spam email took place in 1976 when it was sent out over the ARPANET.
- ✖ The first virus was installed on an Apple computer in 1982 when a high school student, Rich Skrenta, developed the Elk Cloner.

# CATEGORIES OF CYBER CRIME

We can categorize cyber crime in two ways.

- ✖ **The computer as a target** :- using a computer to attacks other computer, e.g. Hacking, virus/worms attacks, Dos attack etc.
- ✖ **The computer as a weapon** :- using a computer to commit real world crime e.g. cyber terrorism, credit card fraud and pornography etc.





# TYPES OF CYBER CRIM

# TYPES OF CYBER CRIME



- × **HACKING** :- Hacking in simple terms means an illegal intrusion into a computer system and/or network . It is also known as CRACKING. Government websites are the hot target of the hackers due to the press coverage, it receives. Hackers enjoy the media coverage.

## Motive behind the crime called HACKERS

Motive behind the crime called hacking greed power, publicity, revenge, adventure desire to access forbidden information destructive mindset wants to sell n/w security services.



# TYPES OF CYBER CRIME

- ✗ **CHILD PORNOGRAPHY** : The Internet is being highly used by its abusers to reach and abuse children sexually, worldwide. As more homes have access to internet, more children would be using the internet and more are the chances of falling victim to the aggression of Pedophiles.

## **How Do They Operate :**

How do they operate Pedophiles use false identity to trap the children , Pedophiles connect children in various chat rooms which are used by children to interact with other children.



# TYPES OF CYBER CRIME

- ✖ **DENIAL OF SERVICE ATTACKS** : This is an act by the criminals who floods the bandwidth of the victims network or fills his E-mail box with spam mail depriving him of the service he is entitled to access or provide. Many DOS attacks, such as the ping of death and Tear drop attacks.
- ✖ **VIRUS DISSMINITION** : Malicious software that attaches itself to other software. VIRUS , WORMS, TROJAN HORSE ,WEB JACKING, E-MAIL BOMBING etc.
- ✖ **COMPUTER VANDALISM** : Damaging or destroying data rather than stealing or misusing them is called cyber vandalism. These are program that attach themselves to a file and then circulate.

# TYPES OF CYBER CRIME

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- ✖ **CYBER TERRORISM** : Terrorist attacks on the Internet is by distributed denial of service attacks, hate websites and hate E-mails , attacks on service network etc.
- ✖ **SOFTWARE PIRACY** : Theft of software through the illegal copying of genuine programs or the counterfeiting and distribution of products intended to pass for the original.



# CYBER CRIMES THREATENS NATIONAL SECURITY

## CYBER CRIMES THREATENS NATIONAL SECURITY

IN INDIA Likewise Union home minister Shivraj Patil said that the rising level of cyber crime is an indication of enormous threat to national security. On Google's social networking site orkut, facebook, have been perplexing authorities . Fan clubs of Underworld Dons like Dawood Ibrahim and Chhota Shakeel and other wanted underworld dons are also doing the rounds on orkut. There is huge potential for damage to national security through cyber attacks. The internet is a means for money bounding and funding terrorist attacks in an organized manner.



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# CYBER SECURITY

**Cyber Security** : Cyber Security involves protection of sensitive personal and business information through prevention, detection and response to different online attacks. Cyber security actually preventing the attacks, cyber security.

**Privacy Policy** : Before submitting your name , e-mail , address, on a website look for the sites privacy policy.

**Keep Software Up to Date**: If the seller reduces patches for the software operating system your device ,install them as soon as possible .Installing them will prevent attackers form being able to take advantage. Use good password which will be difficult for thieves to guess. Do not choose option that allows your computer to remember your passwords.

# CYBER SECURITY

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- ✖ **DISABLE REMOTE CONNECTIVITY** : Some PDA's and phones are equipped with wireless technologies, such as Bluetooth, that can be used to connect to other devices or computers. You should disable these features when they are not in use.



# ADVANTAGES OF CYBER SECURITY

- ✖ The cyber security will defend us from critical attacks.
- ✖ It helps us to browse the site, website.
- ✖ Internet Security process all the incoming and outgoing data on your computer.
- ✖ It will defend us from hacks and virus.
- ✖ Application of cyber security used in our PC needs update every week

# SAFETY TIPS TO CYBER CRIME

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- ✗ Use antivirus Software
- ✗ Insert Firewalls
- ✗ Uninstall unnecessary software
- ✗ Maintain backup
- ✗ Check security settings

# CYBER LAW OF INDIA

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Cyber crime can involve criminal activities that are traditional in nature, such as theft, fraud, deformation and mischief, all of which are subjected to the India Penal code. In simple way we can say that cyber crime is unlawful acts where in the computer is either a tool or both.

The abuse of computer has also given birth of new age crime that are addressed by the Information Technology Act, 2000.



# CONCLUSION

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Cybercrime is indeed getting the recognition it deserves. However, it is not going to be restricted that easily. In fact, it is highly likely that cyber crime and its hackers will continue developing and upgrading to stay ahead of the law.

So, to make us a safer we must need cyber security.

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YOU**

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