

“A Study on the Awareness of Cyber-Crime and its Security Issues”

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Abstract-- The growing danger from crimes committed against computers, or against information on computers, is beginning to claim attention in national capitals. In most countries around the world, however, existing laws are likely to be unenforceable against such crimes. This lack of legal protection means that businesses and governments must rely solely on technical measures to protect themselves from those who would steal, deny access to, or destroy valuable information.

For this awareness of cybercrime is necessary among citizens. In our research paper we have conducted a local survey to gather the awareness level of Cybercrime. We have also included the types of cyber criminals, the existing cyber laws in India and prevention methods against such crimes.

Keywords-- cyber crime, cyber law

I. INTRODUCTION

All of us are well versed with the fact that the computer has become the integral part of our lives, and gradually Internet is also emerging as the most needed tool in our life. But all of us know that a coin has two sides, Internet facility also comes with a serious threat and that is Cyber Crime.

The purpose of the research is to find the ways of how cyber-crime is advancing; its effect on people may be as individual, group or organization and on society. The research will identify the adverse effects of the cybercrimes, the approach of the people towards these crimes.

This research will establish an approach towards different areas of cybercrime, analyze the problems in this approach and the ways adopted to effectively counterattack cybercrime.

II. HYPOTHESIS OF THE STUDY

This is an era of computerization indeed we can say globalization which is possible only because of Internet. Most people now a days use Internet to facilitate their day to day work. In this situation we assume that most of them are aware of cybercrimes and they are well versed with their counter measures. We would like to do our research work to find out if our assumption is true or not.

H0: All the internet users are aware of cybercrime and can combat them effectively.

H1: All the users are not aware of cybercrime and cannot handle them effectively.

III. OBJECTIVE OF THE STUDY

To evaluate the awareness among general masses to ensure:

Protection of the user over internet and standalone system

What Is Cybercrime?

Cybercrime is criminal activity done using computers and the Internet. This includes anything from downloading music files illegally to stealing millions of dollars from online bank accounts. Cybercrime also includes non-monetary offenses, such as creating and distributing viruses on other computers or posting confidential business information on the Internet.

Types Of Cyber-Crimes

Hacking
Theft
Malware
Cyber Terrorism

India's Cyber Crime Cases:

In the respect of new IT Act, the cases related to cybercrime that was filled in 2013 was 4356 in counts and this year it is increased by 51 per-cent in comparison to previous year, which means 6577 (approx).

Who Are The Cyber Criminals?

Cybercriminals often work in organized groups. Some cybercriminal roles are:

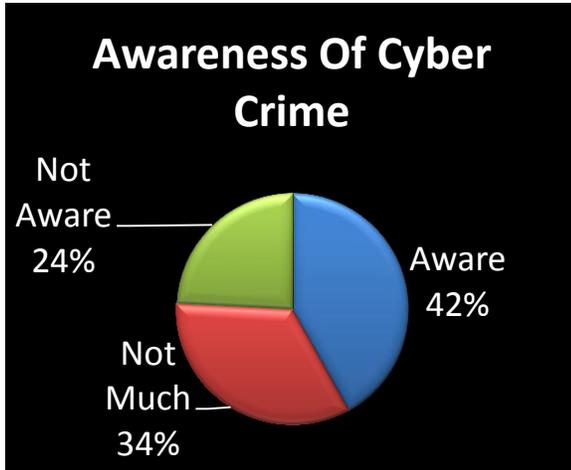
- Programmers
- Distributors
- IT experts
- Hackers
 - Black Hat
 - Blue Hat
 - White Hat
 - Grey Hat

- Fraudsters
- Cashiers
- Money mules

- ❖ Password protection related to information security is important or not?

Major Findings Of The Study:

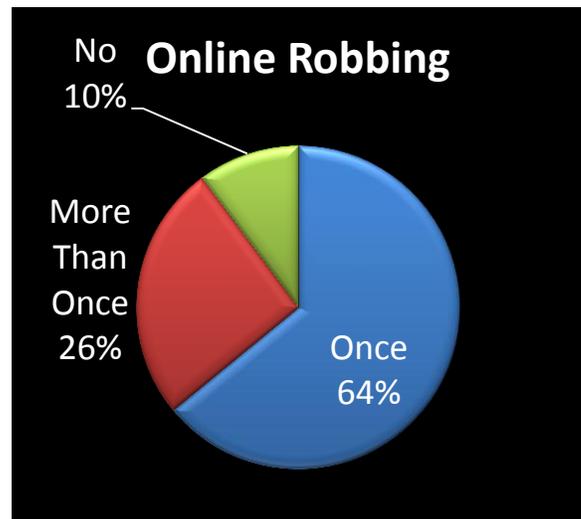
- ❖ How aware are you about Cyber Crime?



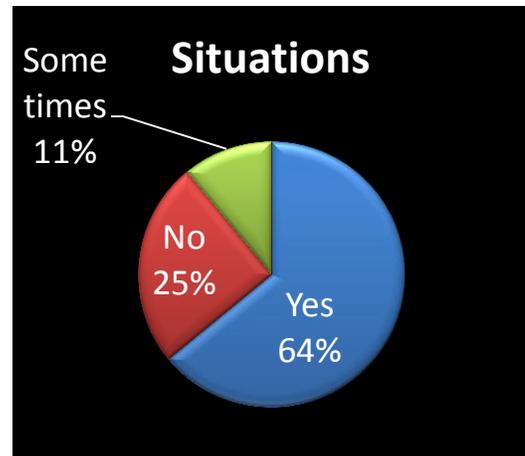
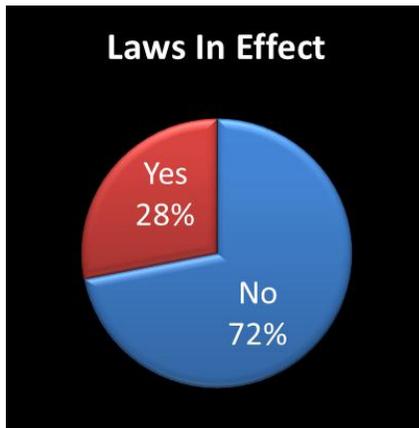
- ❖ How safe do you feel about your information when you are online?



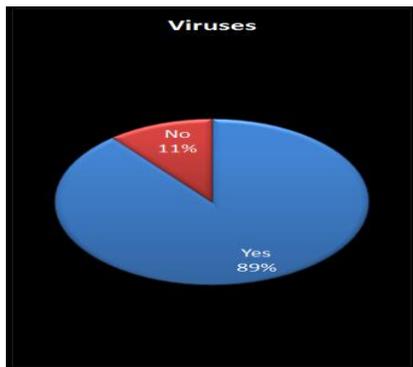
- ❖ Have you been robbed online unknowingly?



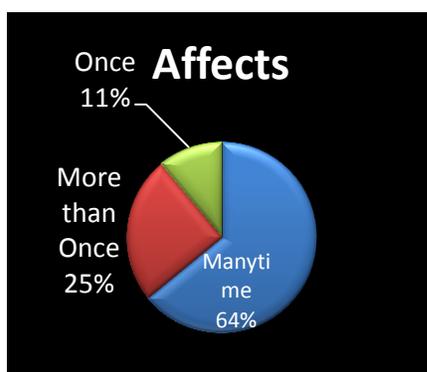
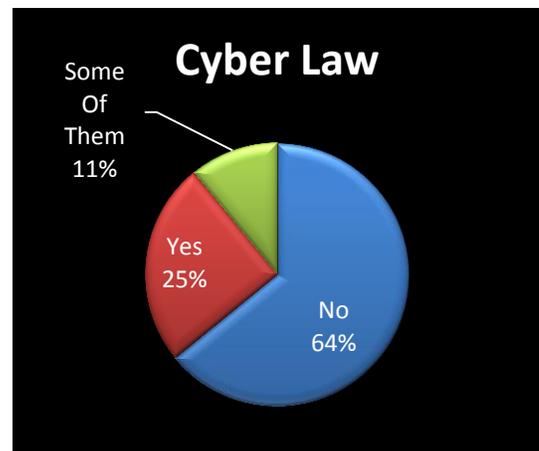
- ❖ Do you think that the Laws in effect are able to control cyber Criminals?



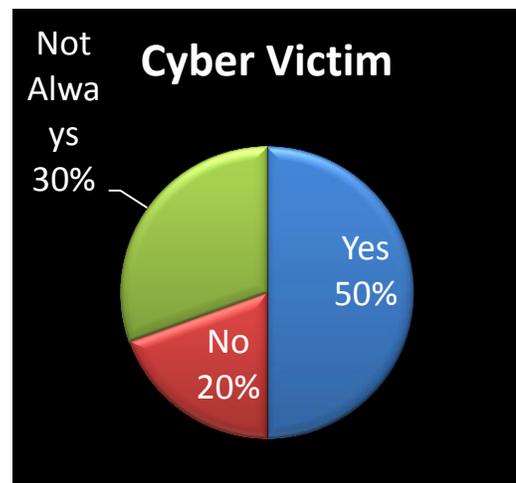
- ❖ Do you know about viruses? How severely have they affected you?



- ❖ Do you even know about Cyber Law?

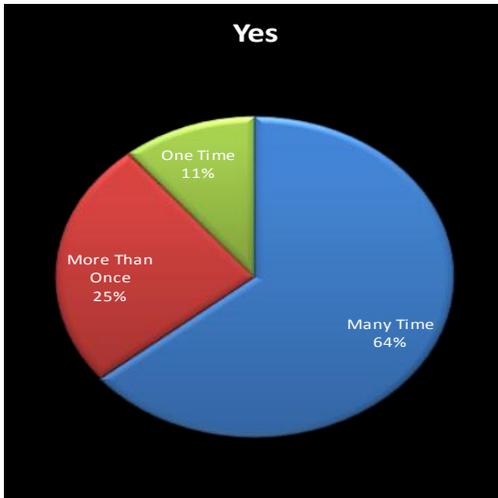


- ❖ Are you aware of the fact that you are a cyber-victim? If yes, how many times?

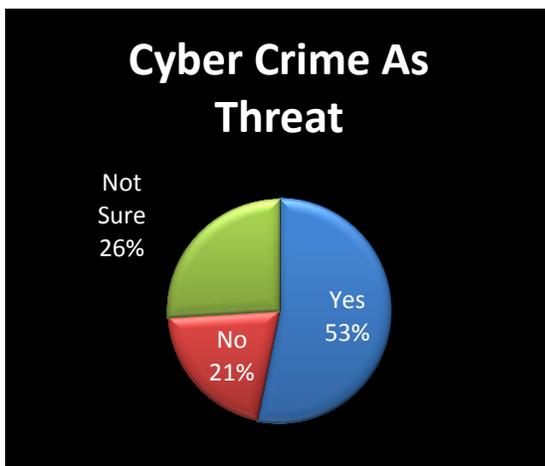


- ❖ Have you ever experienced any if these situations?

- Auto generated mails/popups to your inbox
- Publishing of obscure materials to your profile
- Confidential reports / information being hacked



❖ Do you consider cyber-crime as a threat?



IV. CYBER LAW OF INDIA: INTRODUCTION:

In Simple way we can say that cyber crime is unlawful acts wherein the computer is either a tool or a target or both. Today, there are many disturbing things happening in cyberspace, it is possible to engage into a variety of criminal activities. Hence the need for Cyberlaws in India. Cyberlaw is important because it touches almost all aspects of transactions and activities on and concerning the Internet, the World Wide Web and Cyberspace. The IT Act 2000 attempts to change outdated laws and provides ways to deal with cyber crimes.

V. METHODS BEING ADOPTED FOR CYBER SECURITY:

Today, some of the major cyber security business drivers impacting the enterprise include the following:

- Increasing sophistication, frequency and scale of cybercrime
- Malicious and inadvertent leakage of sensitive data
- Loss of intellectual property.
- Increasing regulatory environment
- Interconnections between corporate and process control networks
- Vulnerabilities introduced by the rise of cloud computing, mobile devices and Web 2.0 applications within the enterprise.

Trends in Cyber security and Latest Countermeasures:

A sense of urgency about digital security is fueled not just by the widespread occurrence of data theft by hackers, but also via the ongoing concern for privacy issues driven by disclosures of extensive National Security Agency (“NSA”) information gathering. In response to these threats, companies are taking a variety of steps, and the digital security industry is seeing strong growth and innovation. The following trends in 2014 surrounding data protection and cyber security.

- Enhanced use of encryption
- Targeted attacks
- Increased scrutiny of internal data use.
- Risk assessment and software analysis

VI. PREVENTION OF CYBERCRIME:

- Use Strong Passwords:
- Activate your firewall:
- Use anti-virus/malware software:
- Block spyware attacks:
- Be Social-Media Savvy:
- Install the latest operating system updates:
- Protect your Data:
- Secure your wireless network:
- Protect your e-identity:
- Avoid being scammed
- Call the right person for help

VII. CONCLUSION

From this research project we have come across several conclusions which have enhanced our knowledge about Cyber Crime and its effects. Through our survey and study we have realized that many people are not at all aware of the consequences created due to use of internet. Due to the little or no knowledge about cyber-crimes and laws related to it, many people are being tricked very easily and cyber criminals are taking advantage of these people.



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We have tried to create awareness among people by informing them about the prevention techniques and basic laws regarding cyber-crime.

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