



Cyber Crime : Survey In Our Country

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Abstract: Now days, day to day Internet uses are increases because people are being aware about the internet. In between some smart people are taking the advantage of those people are not that much heard about the cyber crime. So, anyone users a potential target to cyber criminals. The whole paper show the how cyber crime done based on the analysis.

Keyword: Cyber, Cyber Security, Crime, Internet

I. INTRODUCTION

Crime means “Break the Protocol” or done any unwanted activity with respect to any field due to use of internet. The internet means there are so many computers are connected together using network worldwide. This type of activity recognized place or target by using the internet tools or software. The cyber crime word is associated with the Internet and Computer Network [1]. In today real environments computers have come a far way, with neural networks and nano-computing capable to revolve each and every atom in a glass of water into a computer accomplished of doing a Billion operations per second [2]. In Technical environments there are many types of cyber crime occur on Database, Computer Network, Printer, any electronics machine whether use the clock and access the computer by unauthorized person it means access crime.

The exploitation of computers has also given born to a extent of new generation crimes that are addressed by the Information Technology Act, 2000 [2].

II. VARIOUS TYPES OF CYBER CRIME

2.1. Financial

This would include cheating, credit card and debit card frauds, money laundering etc [2]. In Example some people asking the credit card or debit card number as act of bank people than they are directly use your cards and theft the money. Also put some items sale online with throwaway price that time many users reacts that website and put his/her cards details and make the order.^[11]

2.2. Pornography

Now a day young generation addiction with the pornography and most young people from school and colleges. Due to easily available of mobile and internet so they are easily access the Porn website. In this situation those are eager to do crime they are take advantage of these types of user or people, they are show some instructing offer and try to make become member etc.

2.3. Sale of illegal articles

In today digital environment many people are put his book or article order online. Some people make duplicate book or article those book written by reputed author and put for auction so people try to purchase reputed book in low price.

2.4. Logical Property crimes

Some people are doing not buy the original software means license from authorized company or organization so they are crack the software and used it.

2.5. Email spoofing

Email spoofing is the false of an email header so that the message appears to have originated from someone or somewhere other than the actual source. Email spoofing is a approach used in phishing and spam campaigns because people are more likely to open an email when they think it has been sent by a genuine source. The goal of email spoofing is to get recipients to open, and possibly even respond to [10].

2.6. Copy

In during demonetization government has launched the new currency note of 2000 and 500 Rs. but after a week some people or bank person got the duplicate note. Before the doing these they are identify the fully upgrade computers, scanner, printers and papers. In school environments many students also make fake results and so to his parents. ^[11]

2.7. Stalk

Whenever you are surf internet and by mistake you have put your email address on website so they are continuously sending the email regarding on that.

III IMPACTS OF CYBER-CRIME

Any organized crime groups are by the Internet for significant fraud and theft behavior. There are trends indicative of organized crime connection in white-collar crime. As criminals go away from traditional approaches, internet based crime is becoming more ubiquitous [3]. The cyber crime impact directly goes to Potential Economic, Market Value and Impact on Consumer trust [3]

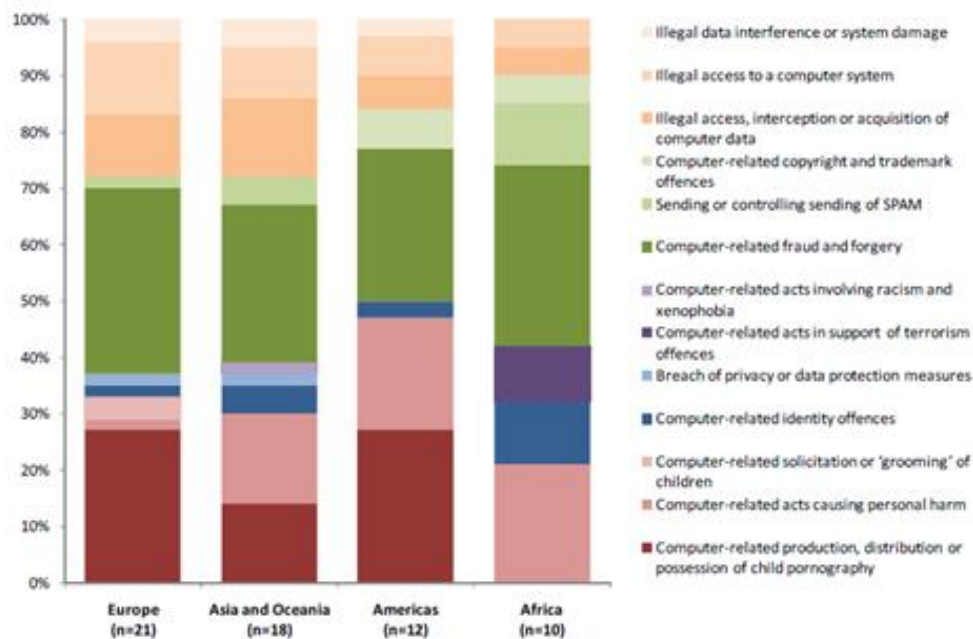


Figure 3.1 Impact of Cyber crimes on various countries in 2013^[4]

Nearby 80% of cybercrime acts are predictable to initiate in some form of organized activity. The dissemination of the model of fraud-as-service and the diversification of the help of the underground market is also attracting new users with modest skills. Cybercrime is suitable a business prospect open to everybody determined by profit and personal gain.

According to RSA security expert, cybercrime continues to changes its techniques or method and the path it organizes and targets victims. The RSA Anti-Fraud Command Center (AFCC) has defined the various lists of the cybercrime trends see evolve:

- As the world goes mobile, cybercrime will follow
- The privatization of banking, trojans and other malware
- Hactivism and the ever-targeted enterprise
- Account takeover and increased use of manually-assisted cyber attacks
- Cybercriminals will leverage Big Data principles to increase the effectiveness of attacks

Cybercrime activities are worldwide diffused, financially-driven acts. Some computer-related scam is rife, and makes up around one third of acts around the world [4] .

In spite of modifying or improvements in defense approaches and the raised level of knowledge of cyber threats the cyber crime network is able to espouse even classier cyber attack techniques. The cybercrime industry has shown Great Spirit, and the adaptive ability to respond rapidly to countermeasures has been taken by the police.

Key findings include:

The average annualized cost of cybercrime incurred per organization was \$11.56 million, with a range of \$1.3 million to \$58 million. This is an increase of 26 percent, or \$2.6 million, over the average cost reported in 2012.

In defense, financial services, energy and utilities Organizations are suffered the maximum cybercrime costs.

The maximum Data theft caused costs, 43 percent of the total outdoor costs, business interruption or lost efficiency accounts for 36% of external costs. In the last year, while data theft decreased by 2%, at that time business disruption improved by 18%.

In Organizations experienced an average of 122 successful attacks per week, up from 102 attacks per week in 2012.

The average time to resolve a cyber attack was 32 days, with an average cost incurred during this period of \$1,035,769, or \$32,469 per day—a 55 percent increase over last year's estimated average cost of \$591,780 for a 24-day period [4].

Year	IT Act		IPC	
	Cases Registered	Persons Arrested	Cases Registered	Persons Arrested
2011	1791	1184	422	446
2012	2876	1522	601	549
2013	4356	2098	1337	1203
2014	7201	4246	2272	1224
2015	8045	5102	3422	2867
Total	24269	14152	8054	6289

Figure 3.2 Cyber Crimes up by more than 3 times in 5 years ^[5]

Above fig 3.2 are represent the how many cases are registered year wise and it is also represent the each and every rapidly increases the cyber crime in India.

IV. CYBER CRIME INCIDENCE HAPPENING IN INDIA

4.1 Bank fraud: Cyber Crime Cell arrests four men for 'cheating' businessman of Rs 2.2 lakh.

The Cyber Crime Cell of the Mumbai Police arrested four men those are cheating a businessman of Rs 2.2 lakh. All four members age around the 31 to 35. They all are originate from Nigerians. The businessman, the police said, received emails on April 19 for change of his password and security settings. A day later, he found that his cell phone number had been blocked. On April 21, he found that he was unable to receive any email, too. After recovering his email, he found a mail from his bank, informing him about electronic transfer of money from his account [6].

4.2 Pune cyber cell nabs 'cheat' in 2016

The Culprit Sagar, Ashok Pandit had floated advertisements of a private detective service agency on social media and Justdail service.

They claimed to have software using which it was possible to record cell phone calls, trace locations of callers, read the messages and other information in the cell phones secretly. They also offered services like surveillance, gathering information about extramarital affairs [6]

4.3 Hackers halt Utkal varsity's e-admissions

The legal website of Odisha's oldest university, Utkal University, was hacked for the sometime in a week forcing officials to shut down the e-admission process.

Although it wasn't clear if the hackers stole any information, the website was defaced and the page showed a group called 'Pak Cyber Attackers' to be responsible for the attack [6].

4.4 Third of all cyber crime cases in Mumbai this year are 'facebook' profiles

Creation of fake Facebook profiles form nearly 30% of all cyber crimes registered in the city this year. Moreover, jilted lovers or disgruntled employees are to blame in most cases.

A Mumbai police report shows cyber crimes—hacking, creating fake profiles and uploading obscene pictures—increased by 30% in 2016 (till date). According to the report, 90 cyber offences were registered across the city, including 24 fake Facebook profiles, till date this year. In 2015, 912 cyber offences were registered of which only 178 cases were related to fake FB profiles or hacking. Experts felt stern action is the only solution to arrest the growing trend [7].

4.5 Ministry of Home Affairs Website Hacked

The Ministry of Home Affairs website was hacked on Sunday, prompting authorities to temporarily block it, an official said. The MHA website was immediately blocked by the National Informatics Centre after hacking was noticed. Computer emergency response teams are looking into the incident, the official said [8].

4.6 Debit Card Fraud: Jaitley Seeks Report, Says Aim is to Contain Damage.

Finance Minister Arun Jaitley on Friday said the government has sought a detailed report on the extent of debit card data compromise following the biggest security breach in the Indian banking industry that affected over 32 lakh card holders. The government has asked RBI and banks to provide details of the data breach and also banks' preparedness to deal with cyber crimes [9].

4.7 Yahoo Hacked: What to Do If Your Account Has Been Compromised

In recent weeks Yahoo has been prompting users to change their passwords and to add a phone number as an extra layer of security and on Thursday the reason for these requests became clear. The tech company announced that a hack could have compromised 500 million users' details [10].

V CONCLUSION

In nut shut , there are many criminal mind person are available in market or environment so they are attack directly or indirectly without your knowledge. Whenever you will put any credential in your online account , Bank or any other place if you are share with other person meanwhile that time third person are gain or theft your details and he/she will harm. In now digital environment people have to make secured and smart.

VI. REFERENCES

- 1.<http://information-retrieval.info/cybercrime/index.html>
- 2.wsilfi.staff.gunadarma.ac.id/Downloads/files/13309/W03-Cyber+crime.pdf
- 3.Hemraj Saini, Yerra Shankar Rao, T.C.Panda “Cyber-Crimes and their Impacts: A Review”, IJERA, ISSN: 2248-9622 Vol. 2, Issue 2,Mar-Apr 2012,
- 4.<http://resources.infosecinstitute.com/2013-impact-cybercrime/#gref>
- 5.<https://factly.in/cyber-crimes-in-india-which-state-tops-the-chart/>
- 6.<http://indianexpress.com/article/cities/mumbai/bank-fraud-cyber-crime-cell-arrests-four-men-for-cheating-businessman-of-rs-2-2-lakh-2835164/>
- 7.<http://timesofindia.indiatimes.com/city/mumbai/Third-of-all-cyber-crime-cases-in-Mumbai-this-year-are-facebook-profiles/articleshow/51334094.cms>
- 8.<http://www.news18.com/news/india/ministry-of-home-affairs-website-hacked-1348114.html>
- 9.<http://www.news18.com/news/business/debit-card-fraud-jaitley-seeks-report-says-aim-is-to-contain-damage-1303704.html>
10. Kunal Pandove, Amandeep Jindal, Rajinder Kumar “Email Spoofing”, International Journal of Computer Applications, Volume 5– No.1, August 2010
11. Er. Harpreet Singh Dalla, Ms. Geeta “Cyber Crime – A Threat to Persons, Property,Government and Societies” IJARCSSE, ISSN: 2277 128X, Volume 3, Issue 5, May 2013

