

A Study on Cyber Crime: Types and Area of Improvement

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Abstract: In this era of globalization, modernization and industrialization everyone is engaged online which has caused a huge damage on individuals as well as on organizations and many others sectors of the economy. This paper contains currently increasing ratio of online crimes and their unauthentic acts. This paper also shows a wide comparison between the increased numbers of hackers through online data. This paper describes the need to stop cybercrime and also gives details of the harm it has caused to the current environment. The paper also shows studies made on cyber-oriented crimes and types of cybercrimes nowadays. In addition some of the case studies related to cyber crimes are listed below.

Keywords:- Online data, Internet, Hacking, Terrorism, Cracking, Dark web, Cyber laws.

I. INTRODUCTION

An economic crime committed using computers and the internet against individuals or group of individuals with the intention to harm. It can harm a nation's security and financial health. Cybercrime rank as one of the four types of economic crimes. Its being growing rapidly as the hackers are using the dark web through which they can't be stopped by any agencies like the FBI or any others. Everyone appreciates the use of Internet but there is another side of crime that is **Cyber crime** by the use of internet. The use of VPN and the TOR browser are the main sources of the dark web through which hackers can easily hack any site without being tracked. This requires a technical expertise by the user. There are some who are intentionally trying to track and extract the vital and confidential information illegally for their personal use[1]. The purpose of this paper is to educate individuals who don't know what are crime cyber and its importance in growing technological society [2]. The main reason why hackers are not being caught is the bouncing of their IP numbers. Major theft and fraud cases happen by the use of cyber crime only. Cyber Crime is growing very day because since technological advancing in computers makes it very easy for anyone to steal without physically harming anyone [2].

II. TYPES OF CYBER CRIME

- **Cracking:-** Cracking means trying to get into computer systems in order to steal, corrupt, illegitimately view data. A crack refers to the means of achieving software cracking, for example a stolen

serial number or tool that performs that act of cracking. Distribution of cracked copies is illegal in most countries.

- **Hacking:-** Hacking is of two types. White hat hacking and the Black hat hacking. The white hat hackers are appointed in an organization to improve the security of the authority. And the black hat hackers are the illegal hackers who trace the private information without the authentic permission. The black hat hacking is the cyber crime. This method can occur if computer hardware and software has any weakness which can be infiltrated, if such hardware and software has lack in patching, security control or poor password choice[2].
- **Drug Trafficking:-** Drug traffickers contribute a major part of cyber crime to sell narcotics using the latest technologies for encrypting mails[1]. They arrange where and how to make the exchange, mostly using couriers[1]. Since there is no personal communication between the dealer and buyer.
- **Cyber Terrorism-** Cyber terrorism is controversial term. Cyber terrorism may include a simple broadcast about bomb attacks which may happen at a particular time in the future [1]. Cyber terrorism may be defined to be where the deliberate use of disrupting activities [2]. It is intentional use of computer, networks and public internet to cause harm and destruction for personal objectives[3].
- **Wire Fraud:** This involves a highly programmable application that transfer funds from organization accounts or individuals accounts. The processes in this type of crime had not been disclosed up till date. It is till a worldwide issue and unsolved.
- **Child Pornography:** This crime occurs through the provision of website at exposes children that are less than 18 years old to pornography. Children are forced to join chat rooms, they are being exposed to materials that will put them to sexual risk.

III. AREAS FOR IMPROVEMENT

Its high time for the improvement in cybercrime that will include advance method for fighting against it. Technological advances have benefited our world in immeasurable ways, but there is an ominous flip side: our technology can be turned against us so it is highly needed for an improvement. Some methods are adopted in developed country. Many people rely so heavily on the internet and other technology in their lives and when something goes wrong, they do not always realize that it was illegal [4]. Until there is an understanding there can only be so much done to try to help with the issue of cybercrime [4]. Technical methods of protection from criminal offense committed with the use of computer technologies are studied together with organizational and criminal law methods enabling efficient investigation. Currently large scale establishment of global informational society is going on. Meanwhile, law and forcemeat offices need qualified and timely protection from criminal offense in digital sphere. Due to the urgent need for cybercrime fighting, on 1 June, 2001 in Minsk, Agreement of the CIS countries on cooperation in cybercrime fighting was concluded, article 1 stating that a cybercrime is a criminally punished act where the subject of violence is computer information.

IV. CONCLUSION

This information puts its eye not only on the understanding of cybercrime but also explains the improvement techniques adopted to fight against it. This will help the community to secure all the information relating to an organization [6]. The way overcome this crime can be classified into three categories:

- CYBER LAWS
- EDUCATION
- POLICY MAKING

There is no doubt that the internet offers criminals to several opportunities [5]. Besides, new cyberlaws and policies must be developed by to tackle the various families of cyber crime [5]. The latest and disruptive technologies, along with the new cyber tools and threats that come to light each day, are challenging organizations with not only how they secure their infrastructure, but how they require new platforms and intelligence to do so [6]. It is impossible to completely eliminate cybercrime but its impact can be reduced by making people aware of their rights and further making more punishable laws. So we have to be careful while using internet. The preventive measure must be adopted to get secured from the cyber attackers [7]. New skills, technologies and investigative techniques, applied in a global context, will be required to detect, prevent and respond to cybercrimes [9]. Innovation response such as the creation of ‘cyber cops’, ‘cyber courts’ and ‘cyber judges’ may eventually required to overcome the significant issues [9].

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