

INTERNET SECURITY & ITS ETHICAL ISSUES

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Abstract

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The major issues in India are data security and thefts of internet transactions. The reason behind this is fear and lack of literacy. Uneducated people always suffer from unauthorized access of computer data and unwanted interference, so we need the kind of system where people are aware with the concepts of technology and its uses. In rural parts of India people are not very much familiar with technology. Government has started various programs where they are providing sufficient technical knowledge to society. Technology always played and playing vital role for growth of every Country. If all the people in the society will be aware with technology, automatically the growth of India will raise much. With this aim, to study some issues of internet and various tools that are used to solve various internet problems. The analysis of this data is on the basis of various sources i.e. books, internet and technical facilities.

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1.1 Introduction

Internet is widely known as network of network. It is global communication system for interconnected computer around the world. It is medium of exchange. In short, internet is information provider where you may download information, share information and transfer your information from one location to another location, but one of the major issues of internet is security. Security plays vital role in any transaction that may be related to business, job, emails, economic, privacy and piracy. People often get confused with word Piracy and Privacy. Piracy means duplication of data and word privacy means someone try to interfere in your life. In modern world the piracy and privacy are major issue for everyone. In current scenario privacy and piracy both are important topic for discussion.

Hacker and Crackers

A **Hacker** is an individual who is knowledgeable enough to break into a computer system or facility, although he or she doesn't cause any harm to the system or the organization. Hacker generally appointed by the company for the protection of computer data. There are various types of hackers in the market.

- 1) Black Hat
- 2) White Hat
- 3) Grey Hat
- 4) Blue Hat

A **Crackers** on the other hand, is a computer thief who harm the system with the intent of stealing password (set of character's that allow users to log onto a system or to access a programs), mail message, files, programs and so on, for fun or for profit.

Computers Crimes and Cyber Crime:

A Crime done with the help of computer is called as computer crime. When crime carried out by means of internet or cyber is called as cybercrime. Cyber crime is important issue in our society. There are various types of Cybercrime.

1. **Cyber Extortion:** - When Extortion done by means of internet is called as Cyber Extortion.

2. **Information Theft:** - Information Theft is major issue in the society. Information theft is also through unauthorized access to information or hacking.
3. **Trafficking:** -When the multiple people working on same site and there is heavy traffic on that site, during that period someone try to catch all the record and create one log file in your system. That is called as trafficking.
4. **Internet Fraud:** -when the fraud made by means of internet is called as internet fraud. E-Business, Spam-Mails, Data Log files are the example of internet frauds.
5. **Cyber Stalking:** - Cyber Stalking means pursuing persons movements on the internet and posting email messages that bombard him or her on the sites he/she frequently visits.
6. **Cyber Defamation:** -the tort defamation is committed by the publication of untrue defamatory statements is over internet about other person is called as Cyber Defamation. In other word if we are spreading fake material related to someone else then it is known as cyber defamation.
7. **Cyber Terrorism:** -Today Cyber is primary medium of terrorism. Use of internet to conduct violence act, as result death of people, harm to society for purpose of achieving un-ethical object is called as Cyber Terrorism.

1.3 Need of the study:

India is fastest growing country in the world, because many foreign software /hardware companies are interested in Indian investment. Like Xiaomi, Apple, Microsoft, Samsung etc. Government knows if foreign investments is increases much as result countries growth automatically get increases. Government has started various programs to make people Familiar with technology. As a result, India has maximum number of internet users in world. But it needs more knowledge to secure online transactions. The following questions arises during the study of this concept.

1. How to evaluate current scenario in the country?
2. How to aware people with basic security knowledge?
3. How to adopt latest technology term?
4. How to secure our data from unauthorized access i.e. hackers/crackers.
5. How to maintain privacy?

1.4 Objectives of the study

The following are objectives of these report.

1. To study current status in the terms of technology.
2. To find out reasons behind the cybercrime.
3. To suggest measures to control cybercrime.
4. It helps to maintain privacy in cashless economy.
5. It helps to protect user id and password against unwanted user.

1.5 Hypothesis

H0. Breaching is possible over internet.

H1. Breaching of security is less possible over internet because various tools and facilities are available which provide protection against frauds.

1.6 Scope of the study

This study is based on internet issues in the society. Primary object is finding the possible problems and try to solve internet problems in the society. Basically, new generation is very much familiar with technology but they don't have much more knowledge about security over internet. Hence this is the concept where we study about internet issues and their problem-solving techniques.

2. Research Method

Data collection

Data has collected from few books and internet and entire data depend upon practical world. In India 500 million internet users expected by June 2018. specially children between 5-18 years age group who are working with the internet. During working with internet, they share many personal information as result their personal data get hack. Some time it creates trouble for entire family

members, it happened just because of lack of knowledge, lack of awareness and some time it depends upon negligence.

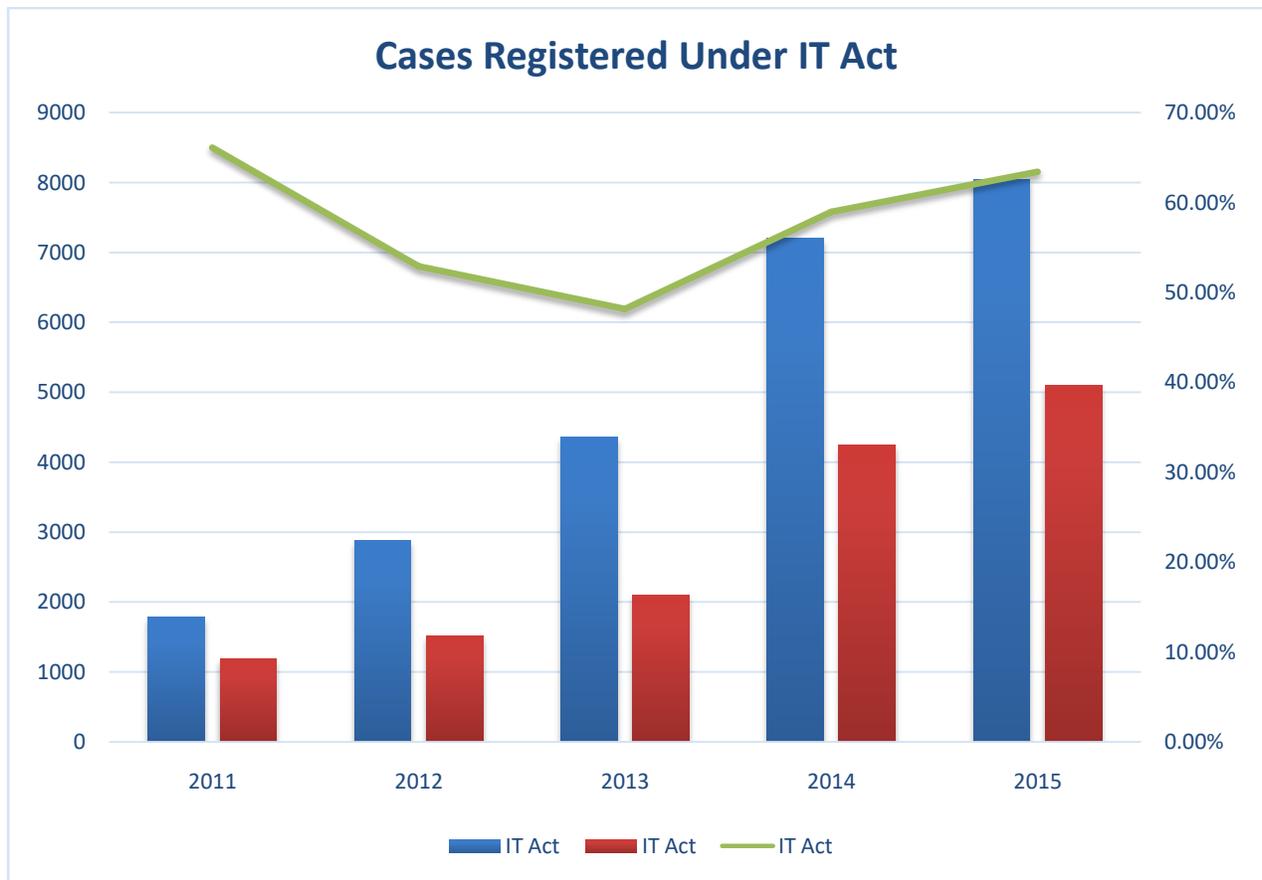
3. Results and Analysis

Out of total data collection, cybercrime is not at all a familiar term, so a smaller number of people register their cases under cybercrime. The data collected shows that only 60% people registered their cases under different heads of IT act.

3. Analysis

The following table explain cases registered under IT Act.

Year	IT Act		
	Cases Registered	Persons Arrested	Percentage
2011	1791	1184	66.11%
2012	2876	1522	52.92%
2013	4356	2098	48.16%
2014	7201	4246	58.96%
2015	8045	5102	63.42%
Total	24269	14152	58.31%



The above table explains year wise crime registered under IT Act. In 2011, the percentage of crimes solved are highest IT Act i.e. 66.11% of 1791. In the year 2013, the percentage of crimes solved are lowest i.e. 48.16% of 4356. Similarly, in 2012, 2015 and 2016 52.92%, 58.92% and 63.42% cases have been solved respectively. The above table clearly explain that the cybercrimes are raising day by day.

3.1 Cyber Criminals: -

- **Un-Employment:** -The main reason behind the cybercrime is unemployment. unemployed people come with empty mind, make various crime over internet. If unemployed people in the country will get employment automatically cybercrime will get reduce much.
- **Children's:** - Today most cyber criminals are under the age group of 7-18 years old. Minor's doing various crimes like playing games, downloading

pornographic content, working with adult content and spreading unwanted messages. As result they become main victim of cybercrime. If we keep away children's/minors from internet or check there browsing history on regular basis this crime might be reduced.

- **Uneducated People:** - Uneducated peoples are misusing internet instead of its uses due to lack of knowledge. Basically, they are downloading pornographical/adult contents and spreading within society. As result there is bad impact on society, especially on minors. If all the people within society will be educated automatically this problem will be solved.

4. Conclusion

After analyzing the data, it can be said that cybercrime is raising but to control it various measures has to be taken. It can be concluded that to stop the breaching of data on priority basis we need to take care of devices and the multiple users of it. The biggest challenge of it is unemployment and wrong ways of making money in short period also the exposure given to children for the use of internet. Knowledge empowerment and enhancement is the need of the hour. Similarly, coin has two sides, that is positive or negative. Internet has various positive aspect but it also has negative side. It depends upon us how to use it and how to work with it. In short If all the users will properly use internet then cybercrime automatically get reduce.

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