

# INFORMATION TECHNOLOGY-SHAPING OUR OBSERVATION OF REALITY WITH HIGH VELOCITY

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## ABSTRACT

As technology continuously advancing as an accelerator increasing with momentum it changes our lives and society as a whole, thus shaping our perception of reality with high velocity and impacting the relationship between the individual, society and the legal system. Technology changes very speedily and needs are also constantly shifting while balancing the cause associated with reliability, efficiency and availability of technology. It is the dire need of the time to provide the most useful solution with regard information technology. The IT regulation was amended to allow the admissibility of digital evidence. It is an amendment in the Indian evidence, penal code and bankers book evidence which provides the legislative framework for transactions in the electronic world. The present paper deals with the challenges of legal aspects of the technology as well as the various channels relating to technology. The legal dimension is the most prominent in the field of Information Technology and this paper examines legal norms so far as cyber system is concerned. The study is based on reporting cybercrime investigations and cyber law.

## KEYWORDS

Information Technology, Observation of Reality

## INTRODUCTION

As technology continuously advancing as an accelerator increasing with momentum it changes our lives and society as a whole, thus shaping our perception of reality with high velocity and impacting the relationship between the individual, society and the legal system., Technology changes very speedily and needs are also constantly shifting while balancing the cause associated with reliability, efficiency and availability of technology. It is the dire need of the time to provide the most useful solution with regard to information technology. The IT regulation was amended to allow the admissibility of digital evidence. It is an amendment in the Indian evidence, penal code and bankers book evidence which provides the legislative framework for transactions in the electronic world.

The present paper deals with the challenges of legal aspects of the technology as well as the various channels relating to technology. The legal dimension is the most prominent in the field of Information Technology and this paper examines legal norms so far as cyber system is concerned. The study is based on reporting cybercrime and cyber law with regard to effectiveness of teachings of SRI SRI PARAMHANSA YOGANANDA.

Technologies change very speedily and needs are always shifting while balancing the cost associated with reliability efficiency and availability of technology. It is our goal to also provide the most useful solution available. IT was amended to allow for

admissibility of digital evidence. An amendment to the Indian Amendments Act 1872, the Indian Penal Code 1860 and the Indian Bankers book evidence Act 1891 provides the legislative framework for transactions in the electronic world. The development of technologies has made education system simpler, easier and widespread. Dispersal of e governance on a large scale. Participation of public in e governance and policy making. Fast economic development. of remote areas, operational excellence, new products , services & business models, customer and business supplier intimacy , improved decision making, competitive advantage, survival and information technology driven society. Internet has huge contribution for the growth of human.

The pros and cons of IT require special attention to cop up with emerging challenges of cyber crime to eliminate the prevailing insecurity and threat amongst the society in general as this has become the global problem. IT has to be more advanced to make cyber law functional in the real sense. It is true that subtle governs the gross and the minds can be purified by spiritual pursuits and for this major change teachings of Sri Sri Paramhansa Yogananda Ji are the most needed in the present scenario of the world..

This paper deals with the existing problems of legal norms apart from studying the factors affecting society. The paper would give suggestions to solve the problems of sole nourishment, nutrient for sole and healthy soul.

Jeff Melnick-“A cyber attack is any type of offensive action that targets computer information systems, infrastructures, computer networks or personal computer devices, using various methods to steal, alter destroy data or information systems.”

### **MOST COMMON CYBER ATTACK TYPES.**

Denial of service (DoS) and distributed denial of – service (DDoS) attacks, Man in the –middle (MitM) attack, Phishing and spear Phishing attacks, Drive by attack, Password attack, SQL injection attack, Cross- site scripting (XSS) attack, Eavesdropping attack, Birthday attack and Malware attack.

DoS/DDoS	A denial of service attack overwhelms a system’s resources.
MitM	When a hacker inserts itself between the comm. of a client and a server
Phishing	Sending emails that appear to be from trusted sources with goal of gaining PI.
DbA	When visiting a website or viewing an email msg or a pop –up window
PA	Brute-force and dictionary attack means all password guessing.
SQLiA	SQL injection exploit can read sensitive data from the database.
XSSA	It executes the malicious script and remotely access and control the victim’s Machine.
EA	Eavesdropping attacks can obtain passwords, credit card nos. & other confidential information.
BA	Birthday attacks hackers can safely replace the user’s msg. with his

	own.
MA	Malware attacks it replicate itself across the Internet.eg. Trojans, Logic bombs.

Cyber is the law that controls cyber space. Cyber space is a very broad term and includes computers, networks, software and data storage devices, such as hard disc , USB disk , the internet website, E-mails and even electronic devices such as cell phones, ATM machines etc. The increased dependence of individuals and organizations on cyber space has resulted in many cyber crimes. Cyber crimes are illegal acts where the computer is used either as a tool or a target or both. The massive growth in e commerce and online share trading has led to an unusual erupt in incidents of cyber crime even expert users of IT too may not be aware of cyber victimization along with the development in technology. It is similarly important to be aware of cyber crime and other related issues thereof. The law for cyber space is to control the men and the machine. The fundamental goal of cyber laws is to legalize human behavior and not technology. Cyber laws are technology intensive laws advocating the use but not the mishandling of the technology. Why we require cyber law? Cyber space is an intangible dimension that is unfeasible to govern and regular using conventional law. Cyber space has complete disregard for jurisdictional boundaries.

Cyber space handles huge traffic volumes. Every second. Million of websites are being accessed in every minute and billions of dollars are electronically transferred around the world by banks every day. Cyber space is absolutely open to sharing by all. In digital world most of the areas are affected by cyber law. Approximately all transactions in shares are in D mat form. All companies comprehensively depend upon their computer networks and keep their valuable data in electronic form. Government firms including income tax returns, company law firms are filled in electronic form. Consumers are progressively using more credit cards for shopping. Most people are using e-mails, cell phones and SMS message for communication. Even in non-cyber crime cases. Important evidence is found in computers / cell. Cyber crime cases such as online banking frauds, online share trading frauds, source code theft, credit card fraud, tax evasion, viruses attacks, email hijacking , denial of service, hacking pornography ,digital signatures and e contracts has reinitiated usual methods of transaction.

### **CYBER SAFETY-PREVENTION IS BETTER THEN CURES.**

How to tackle these activities:-

- Awareness is the first step in protecting ourselves, our family and our business.
- Invest in Anti Virus, Firewalls, and SPAM blocking software for our Pc.

- Detect secure websites when conducting transactions online.
- Do NOT respond or act on emails sent from unknown sources.

The following Act, Rules and Regulations are included under cyber law: -

- Information Technology Act 2000 (section 65,66 and 66A)
- Information Technology certifying authority, rules 2000
- Information Tech. Security Procedure, rules 2004.
- Information Tech. Certifying authority regulations 2001.

The IT Act 2000 is facilitating Act because it allows both e commerce and e governance. The IT Act 2000 also considered as enabling Act which allows legal system of electronic records and digital signatures.

Cyber law is an important field of law which represents all the legal issues linked with internet and governs all the aspects of other internet in the cyber space along with dealing in legal cases regarding software, net banking and others. "In matters of truth and justice, there is no difference between large and small problems for issues concerning the treatment of people all the same." (Albert Einstein)

It was observed that there is drastic increase in the number of cyber crimes as such:-

- 50 million credit cards data stolen from home depots system in 2014 retailer home depot system was breached which mean that consumers swiping their credit cards were literally handing over the data to the criminals.
- 79 million customer's data was stolen from Health care companies – in 2015 three health care companies Anthem, Premera, Blue cross and BlueShield were hacked.
- Pune Citibank MPhasiSCall center fraud. ---Some Ex employees of BPO arm of MPhasiS Ltd MSource defrauded US customers of Citibank of Rs.1.5 Crores.

**Statistics, CyberCrime cases in India registered under the IT Act, increased at 9 rates of 300 percent between 2011 and 2014.**

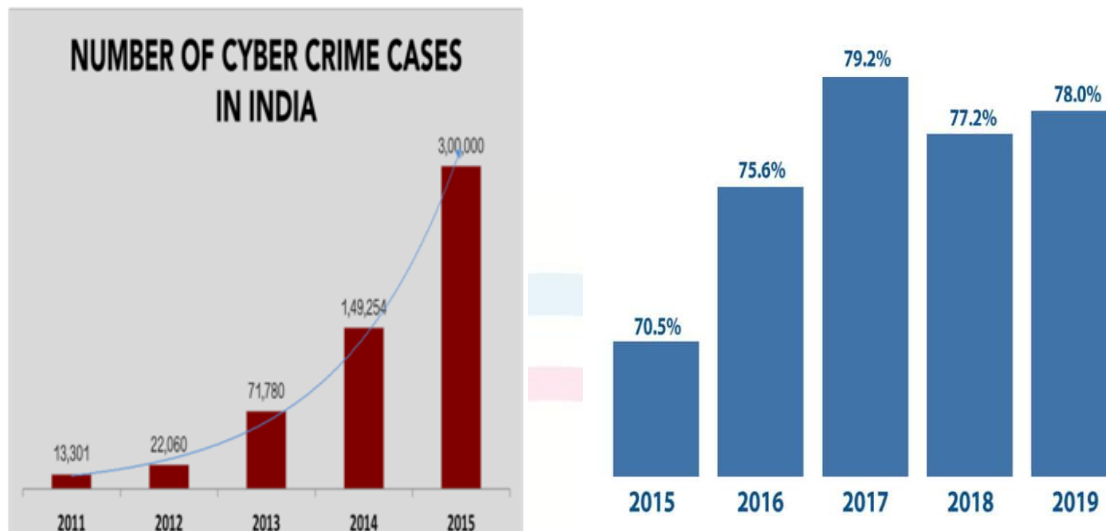


Figure-1: CYBER CRIME CASES w.e.f. 2011 to 2015

Figure-2: FREQUENCY w.e.f. 2015 to 2019

Further by disseminating the real knowledge of teachings of Paramhansa Yogananda enable people to know the real self which is the abode of happiness and definitely conducive to constructive activities as the practices taught by Paramhansa Yogananda lead to health in body, peace in mind and bliss in soul. Even the perception of such idea brings the change at cellular level of human body. The evolution of human beings can be accelerated speedily towards higher realms which in turn helps to nurture the positive thoughts in quantum scale. Such following is definitely helpful to reduce the cyber crime in a large scale. "Autobiography of a Yogi" written by Sri Sri Paramhansa Yogananda. Opens the way to maximum of positivity.

## CONCLUSION

### STAY ALERT, STAY SAFE

It is well established fact that as we think so shall we become. Therefore, the actual positive thinking is to follow the teachings and practices leading unit mind towards the cosmic mind. This journey of crude to subtlety is going on from the distant past to the distant future. The teachings of Sri Sri Paramhansa Yogananda inspire to give a strong push to this evolutionary process; resultantly the purpose of crime is defeated.

**USEFULLNESS TO SOCIETY**

Crimes have been found increasing despite stringent laws because the root cause is not removed. The human mind should be given the right directions following the teachings of ancient yogis the higher dimension of mind works with will of Almighty.

