

Cyber and Intellectual Property Law



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1 Definition Nature

Cyber law is a law related to IT and ICT. Internet has rendered a tremendous prospective aspect for the human civilization. The inventors of internet may not really anticipate the scope and far reaching consequences of cyberspace. Cyberlaw is a law governing computer and internet.

Cyber crime cases:

1. Online banking frauds.
2. Online share trading frauds.

3. Source code theft.
4. Credit card fraud.
5. Tax evasion.
6. Virus attack.
7. Cyber sabotage.
8. Email hijacking.
9. Denial of service.
10. Hacking.
11. Pornography.
12. Defamation.
13. Selling illegal products.

The law related to control the behavior, rights, duties and obligations of the beneficiaries of satellite station, satellite communication, internet, cyberspace, ICT etc. is termed as Cyberlaw.

Cyberspace is the metaphorical space of computer systems and computer networks where electronic data is stored and online communication take places.

Nature of cyber laws:

1. Jurisdiction and sovereignty of internet.
2. Net Neutrality.
3. Free space in cyberspace.
4. Internet regulation in different countries.

2 Cyber Crime

Cyber crime may be defined as E-Crime that are almost conventional crimes in nature committed by using computer & ICT with an intention to make social disorder.

Types of cyber crime:

1. Financial Crimes.
2. Cyber Pornography.
3. Sale of illegal articles.
4. Online gambling.
5. Intellectual property crimes.
6. Email Spoofing.
7. Forgery.
8. Cyber Defamation.
9. Cyber Stalking.

3 Jurisdiction and Cyber Crime

The internet does not tend to make geographical and jurisdictional boundaries but the internet users are remaining under physical jurisdiction.

Jurisdiction is an aspect of state sovereignty. It refers to judicial, legislative and administrative competence. So the cyber jurisdiction is the jurisdiction enforced by a state upon its citizen who uses cyberspace.

4 Question solve

Intellectual Property(abbreviated IP) refers to creations of the mind, such as inventions; literary and artistic works, designs and symbols, names and images used in commerce. IP is protected in law.

The four (4) main types of intellectual property are

Patent: is a property right for an inventor that is typically granted by a government agency. The patent allows the inventor exclusive rights to invention, which could be a design, process, an improvement or physical invention such as a machine.

Copyright: provide authors and creators of original material the exclusive right to use, copy or duplicate their material.

Trademark: is a symbol, phrase or insignia that is recognizable and represents a product that legally separates it from other products. A trademark is exclusively assigned to a company, meaning the company owns the trademark so that no others may use or copy it.

Trade secret: is a company's process or practice that is not public information, which provides an economic benefit or advantage to the company or holder of the trade secret.

Short notes

- Passing off happens when someone deliberately or unintentionally passes off their goods or services as those belonging to another party. This action of misrepresentation often damages the goodwill of a person or business, causing financial or reputation damage. The elements of passing off is goodwill, misrepresentation and damage.

- Digital Signature in cryptography, a digital signature or digital signature scheme is used to pretend the security properties of a signature in digital form. Digital signature schemes normally give two algorithms:
 1. One for signing which involves the user's public key.
 2. Other for verifying signatures which involves the user's public key.

The output of the signature process is called the digital signature. Digital signatures are used to create Public Key Infrastructure(PKI) schemes. User's public key is tied to user by a digital identity certificate issued by a certificate authority.

- Deceptive Similarity is an issue of marks can be defined as similarity between trademarks that can lead the general public of average intelligence to believe that the mark in question is somehow related to a registered or well-known trademark. So, a trademark should not be registered if it is deceptively similar.
- Infringement of copyright or copyright violations occur when an authorized party recreates all or a portion of an original work, such as a work of art, music or a novel. The duplicated content need not be an exact replica of the original to qualify as an infringement.

5 Hacking and punishment according to ICT act. 2006

Hacking: is harming any computer, server, network or any other electronic system by accessing it unlawfully with some techniques and special computer programs. **Punishment:** Whoever commits

hacking shall be punished with imprisonment of either description for a term which may extend to three years, or with fine which may extend to Taka one crore or with both.

6 Objectives of CyberLaw

The objectives of the ICT Act, 2006 has been provided following purposes such as To smooth the progress of electronic filing of documents with government agencies and statutory corporations and to promote efficient delivery of government services by means of reliable electronic records. To help to establish uniformity of rules, regulations and standards regarding the authentication and integrity of electronic records. To facilitate electronic commerce, eliminate barriers to electronic commerce resulting from uncertainties over writing and signature requirements, and to promote the development of the legal and business infrastructure necessary to implement secure electronic commerce and so many others objectives have been included here.

7 Advantages of ICT act 2006

This Act has some disadvantages and also some advantages. This Act has provided us few advantages like as under the ICT Act, 2006, conduct important issues of security, which are so critical to the success of electronic transactions. The Act has given a legal definition to the concept of secure digital signatures that would be required to have been passed through a system of a security procedure, as stipulated by the government at a later date. On the other hand Companies now be able to carry out electronic commerce using the legal infrastructure provided by the Act. Subsequently this Act provided

other facilities to run cyber or Information and Technology business.