Cyber Crime and Information Professionals: A Brief Overview and Conceptual Study

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Abstract - Cyber Crime is one of the important aspects in today’s age and important name towards Information Technology, Computer Technology, Law and Legal Studies and so on. Virtually, the increasing number and percentages of Cyber Crime lead the evolution of emergence of Cyber Law. Cyber Crime is also known as Information Technology crime, computer crime, information crime and so on. Cyber Crime is a big space which deals with several cyber related activities thus cyber related aspect like computer crime, mobile crime, and IT crime and so on. This is a legal action used for mining IT related problem. Virtually, Cyber Crime is an important illegal activity now days. This paper is talks about Cyber Crime and so many aspects and facet related to this. Paper also talks about the challenges and issues related to Cyber Crime and about the information professional and their role in respect of Cyber Crime.

Keywords: Cyber, Cyber Crime, Information Technology, IT Act, Computer Science, Information Professionals, Electronic Crime, Computer Forensic, Information Assurance

I. INTRODUCTION

Cyber world is rising day by day and which includes Computer Systems, Internet Systems, ATM Systems, and Mobile Systems and so on. Cyber Law is basically encompasses the laws deals with Cyber Crime, electronic signature, intellectual property crime, data protection and so on. Expert considers that internet and email are the main tool in Cyber Crime [01, 05]. Information Professionals are those people which are deals with information activities which include collection, selection, organization, packaging, management and dissemination of information. Information Professional plays an important role in all most all type of organization and institution apart from traditional information foundation such as information centre, documentation centre, data centre and libraries. Information professionals are includes Librarian, Information Officer, Knowledge Manager, and Documentation Officer and so on. Virtually, all of them have to play good role in cyber space including their management and professional solution in cyber security and cyber crime [06].

II. OBJECTIVES

The main aim and objective of this paper is includes but not limited to as follows.

1. To know basic about Cyber Crime and its characteristics;
2. To find out the types and classification of Cyber Crime in brief manner;
3. To find out common example of Cyber Crime at a glance;
4. To know about the Cyber Crime and its possible solution at a glance;
5. To know about information professionals and general information activities and role of cyber crime management in respect of information professionals.
III. CYBER CRIME

Crime and criminal activities in respect of cyber world may be treated as Cyber Crime; which includes mobile, internet, computer systems and even ATM system and so on. Cyber Crime is a crime which is deals with several cyber related activities thus cyber related like computer crime, mobile crime; IT crime may fall under the cyber crime [07,08]. Virtually, Cyber Crime is increasing day by day and affects thousands of people; directly and indirectly. Practically, people are still not aware about Cyber Crime and remedial for this kind of offence. Cyber Crime is only possible with the pre requisite of public awareness about E Crime, technological weapon, legal action and so on [09].

IV. CYBER CRIME AND ITS TYPES

Cyber crime may be classified as follows:-

1. Computer Crime- the offence related to computer may be called as computer crime. In computer crime following things may be fall under-
   a. Tampering with computer stored documents; more clearly, allocation and changes in the content and document;
   b. Cheating by personalization by using computer and similar resources;
   c. Hacking with computer systems and other electronic equipments such as database and servers,

2. Internet and Web Crime- the following may be fall under this category-
   a. Sending offensive message and information to some one with out acknowledge of similar dealing or content[10];
   b. Sending and spreading illegal and adult content to the computer system or e-mail or spreading through user domain specific web 2.0 empowered sites such as YouTube, face book and so on;
   c. Publishing and spreading any un ethical and illegal information and content delivery to the net is another important facet of cyber crime;
   d. Corrupting any public computer terminal like community based information kiosk is another important aspects of Cyber Crime;
   e. Spreading and disseminating malware, virus to the internet and email;
   f. Access to the internet log in with out automation and changes in content;
   g. Building full website and fake portal is also a part of E-Crime;
   h. Bogus and fall website and e-mail; including making false document and so on.

3. E Gadget Crime- This section is includes-
   a. Use and providing falls information in the TV and claiming for product and services many benefits and so on may fall under this category;
   b. Cheating in ATM, asking ATM and banking related information and so on.

V. CYBER CRIME AND INFORMATION PROFESSIONALS

Information Professional has so many relationships with Cyber Crime and its real implementation. Cyber Crime and its basic aspects we already mention; now let’s know about basic aspects on information professionals [12, 15, 18]. Information professionals are those, which are deals with information processing and management and complete information activities. Information Professionals are deals such works with manual tool, techniques and so many technologies such as database, networking, computing, multimedia and so on.

Thus, today’s information professionals deal with so many electronic gadgets and hence they need to do several in terms of Cyber Crime or E Crime. The contemporary Cyber Crime dealing in respect of Information Professionals are as follows.

- Information Professionals are working in the general organization and MNC’s and apart from such organization they are also working in the conventional information foundation such as information centre, documentation centre, data centre, libraries, information analysis centre and so on and these organization empowered with computing facility to the public and thus it is very much essential that the common user should use only ethical works at the centre and view ethical internet site [19, 20].
- From an Information Centre, one can send offensive E Mail or spread virus and thus such thing is essential to keep in mind among the Information Professionals;
- They should keep update all the computer, software, hardware, networking devices up to date, and virus free. Hence, Information Professionals are need to make computing devices for healthy and future useful;
They need to keep allow any specific site and internet;
Information professionals may also need to conduct seminar, conferences, workshop in the field of Cyber Crime to reduce Cyber Crime rapidly;
Information Professionals deals with information activities and thus they may be adopt encryption method and most and powerful sophisticated firewall system of he/she working in the defense or some place[21, 18];
For making awareness or Cyber Crime, information professional may write manual for institutional user or may use some guidelines;
Use only services from authenticated and authorized service providers;
Keep all the important data and content away from the open access terminal and keep them in proper place;
Changing password and other secret information more confident manner.

VI. FINDINGS
1. There are so many organization working for the solution of Computer Security, Information Security solutions;
2. Out of so many Act, IT Act, Communication Account, Data Security Act, 2007 is most important;
3. Still many people are not aware about the cyber crime, e crime and similar facet;
4. Apart from computer, Online Information Systems, today in many other ones Cyber Crime is increasing such as ATM security and so on.
VIL SUGGESTION

1. Proper awareness on Cyber Crime is need to build among the user and changes frequently is also essential;
2. Proper funding in the organization to reduce Information security changes are also important to look into;
3. Use of advance antivirus software, internet safety tool and firewall is very much important and urgent;
4. Proper utilization of IT account is also essential to follow up.

VIII. CONCLUSION

Information Professionals are doing well in so many organizations such as healthcare, business, commerce, educational sector and so on[19, 22]. They are responsible for Information solution and now days also dedicated to the technological solution. As far as E Crime is concerned, they has to do so many things which includes using better strategy inside the Information System of the organization and keep aware about the matter of E Crime among the Information Kiosk user or Institutional users.

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