Problems of Information Security in Georgia

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Abstract— **XXI century the century of information technology. Information Systems - Application Development is considered one of the country - one of the figures. Most of the modern world of business information to share electronic information on the e-business development is a necessary condition. Movement of information in electronic form, in turn, caused many new problems to be solved by the information security field. Georgia is interested in providing information security as well as government entities and private businesses.**

Keywords— information security, e-business

I. OF THE PROBLEM

In our century, human activity is an important condition for success in the field of computer systems and technology effectiveness. In order to achieve professional success in computer science with a thorough theoretical knowledge and the scientific and practical work skills - skills with the creative, innovative approach to business development.

II. THE OBJECT OF RESEARCH

Modern computer systems, communication networks and corporate development led to the fact that today more and more information is transmitted, processed and stored in electronic form. In addition, this information is often confidential information to readers (starting from the ending of a state secret information about an individual), public disclosure of which would be irrevocable damage to the state, private companies, as well as the specific person. On the other hand, the information submitted in electronic form, which moves the computer, communications or corporate network more easily accessible for persons who do not have the right to own this information. Given the above, it was necessary to solve the problems of information security.

III. THE PROBLEM OF STUDYING THE SITUATION

The use of electronic information in the form presented in the form of direct state management agencies or private firms, and raised a number of additional problems, which will also include information security problems to be solved. Such is the integrity of information, information on the author's identification, electronic signature, electronic commerce and many other problems. At present, these problems have become one - a top priority, both for science and for practitioners.

Since the seventies of last century, the world began to develop at a rapid pace of modern Cryptography (General information about the coverage), which is mainly used in the above-mentioned problems. Modern cryptographic methods are widely used in advanced countries, where the electronic signature has legal power granted by law.

IV. RESEARCH GOALS AND OBJECTIVES

The paper's main objective is to utilize modern information technology to discuss business development, information security technology, management, social and legal aspects of the analysis.

XXI century information technologies provide tremendous opportunities for business development. The use of global information and communication technologies and comprehensive character. Mainly related to the country's economic development opportunities in the global computer network - the Internet with unlimited use of information resources. The Internet phenomenon is special, it includes libraries for scientific achievements and, in any novelty of science, technology, economics and other fields. This is the Internet, electronic mail, online dictionary and search for any kind of information, communication system, the ability to translate any language information, etc.

Web-based business can take advantage of cheap communications, obtain relevant information, as the company reduces costs and facilitates the dissemination of information about its activities worldwide. These factors have led to the rapid development of electronic commerce and electronic business in the world.

Internet commerce is focused mainly on developed countries - the movement of goods, while in developing countries is mainly a function of the information. This is connected not only with the economic situation, but also to network resources, users, groups, and each of the difference with the mental peculiarities of different countries.

Council of Europe's main web site statistics (Euro Stat) data, in 2009, 31 percent of the population used the Internet to find information that is needed in the learning process. This is an 8 percent increase the previous year was. This figure has increased dramatically in recent years in Georgia. The benefits

of the Internet, compared with the traditional learning environment, human capital formation process [1].

According to statistics published by Internetworldstats.com_ in Georgia, the number of Internet users has increased significantly in recent years. 2000 - 2010 years - the percentage of 0.5% - 28.3% instead of up.

YEAR	Users	Population	% Pen.
2000	20,000	4,389,004	0.5 %
2006	332,000	4,389,004	7.6 %
2009	1,024,000	4,615,807	22.2 %
2010	1,300,000	4,600,825	28.3 %

According to Georgia's use of the Internet by 2010 Internet World Stats_ 1.300 million people, while in 2000 only 20 thousand people using the Internet [2].

Organization "Freedom House" 2011 report by the independent country of Georgia in the Internet field. "Freedom House" - it was reported that 30% of the population uses the Internet in Georgia, the most popular website in the "Facebook" the Georgian Society for the main part of the liberal-minded discussion of the space. According to the report, the user of the Internet is becoming increasingly popular - blogs, social networks, upload videos and news sites [3].

It should be noted that the company's Nielsen (www.niel-sen.com) According to analysts, social networks and the Internet blog - 66.8% of users, while this figure is only 65.1% is equal to the e-mail. The most popular online service in the search engines of wood. The number of Internet users in the people involved in this amount 85.9% - up.

Led to the creation of a large network of computer technology to power the growth of the enterprise may use the information repositories located at any place for liaison with the earth and its departments for the coordination of work, despite the remoteness of their location. These networks have changed the trade - the type of industrial enterprises, have created the preconditions for the creation of a cyber-corporations. The largest and most popular network is the Internet, which includes hundreds of thousands of small commercial and public networks 200 - more than from the country. More than 400 million people engaged in science, education, public service and business uses for the exchange of information and improve business operations [4].

That's because the Internet, the best way to exchange business information, it turned into a business - a modern instrument. Companies are increasingly using information systems, networks, Internet - technologies for its business purposes in electronic form, which reach a new level of efficiency and competitiveness.

Web companies - sites, blogs, Internet - Marketing, Online Shopping, Internet - Auctions, Internet - Exchanges, Internet - Banks and others., The main mechanisms of development of modern business. New technologies are in three-dimensional world of the Internet - the creation of the stores.

Internet and networking technologies are widely used in companies' internal management. E-commerce managers to provide real opportunities for mastering customer relations, strategy, customer-related business - the process of integration and all the information on the concentration of various communication channels. Use of information systems can help companies to expand its activities to new markets, offer new products and services, change the production process and the need for fundamentally change the methods with which business is conducted.

Increasing use of information systems areas: increasing interaction on the one hand, business strategies, rules and procedures, and on the other hand, information systems, software, hardware devices, data bases and communication technologies between the TV. The introduction of modern information systems and their management companies involved in the process of becoming a big part. They have become increasingly computerized, information systems and their users' role in the outsourcers, suppliers and even competitors. Modern information systems cause changes in enterprise management and the principles of the internal structure of the enterprise. Information Technology Applications, together with the expansion of virtually all enterprise employees, customers and suppliers of computer systems users.

IT is not only individual companies, but also the creation of global markets has become a major driving force, which will become more evident. It is an essential component of the national strategy for the development of a competitive business. The new technology can take us towards innovation, it can reduce losses and increase productivity, improve efficiency and accelerate export of reaction time on the customer's requirements. Accelerate and facilitate the mobility of the new technologies to create a variety of products and services. New technological changes continue to increase specialization, which leads to the strong economic ties and to further international integration.

XXI century is steadily increasing role of information, it still accounts for almost all of the value of 75%. Thus the branches, which are the information "flow", promoted by much faster than the industries that are currently carrying out the transportation of goods, which is significantly changing global business environment and will make further progress in international competition.

The right to information - the core values of democracy. He informed the person on the basis of culture, society, state and dynamic adaptation and development opportunities to students ensure developing proper moral orientation. This is to protect the value of information security.

Information security is information protected by the state of the environment, which ensures its formation, the use and development - citizens, organizations, and state interests.

Information security should serve not only to eliminate the negative consequences, but such events to avoid (prevention) measures which should include. Therefore, it is not an isolated problem, but the complex nature of the mass media, a comprehensive review of methods and techniques.

Georgia has been the victim of an information attack, which results in up to now gain. The government, including the Economic Development Ministry of Communications and Information Technology Department is actively engaged in cyber security strategy to fight off cyber attacks, and the shield effect.

Georgia, was created to solve the problems of information security research and analysis center, which is focused on information security and its main activity is the study and its detailed analysis of different types of technological risk, be it cyber - attacks, cyber - crime or other.

Our country is in the information security environment and its constant monitoring of the activities of the Ministry of Justice - one of the main directions.

Analytical Department of the Security Council in march 2012 for consideration by the society of cyber - security strategy. The goal is to create a cyber - security of such a system, where information will be protected from cyber infrastructure - threats. Government's point of view, it is possible to achieve a unified government approach (inter-agency cooperation, a unified policy and planning. Etc.), active in international cooperation and collaboration of state and the private sector. The cyber - security concept that the cyber - security policy has 5 main areas:

- Research and analysis
- New legislation - statutory basis
- cyber - security, institutional coordination
- Public awareness and education to establish a base
- International co-operation

New legislation - the specialists have already provided a legal basis. In February 2012 the Parliament of the draft law "On information security." According to a further significant private and public institutions of information security problems, the solution will take care of the state. Necessary corrections will be made available to the information stored in a computer system [5].

Meetings are held quite often in recent years, information security issues. The share of EU countries in the present situation, the information security point of view of the work.

The Caucasus region is quite complicated, ethnic and religious diversity, or because of the geopolitical situation, so it may be very interested in the field of information security technologies.

The world community together, to fight a tough war to declare information. Special emphasis should be given to Georgia, promoting e-commerce, online stores are available to change the strategy, in gaining the trust of online customers and increase. In addition, it is necessary to the security strategy, the new legislation - statutory basis.

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