and telephone. This is called teleworking. In call centres, assistance or support is given to customers using the telephone, email or online chats.

There are many forms of digital and communication technologies in the 21st century. Digital technology is the use of electronic tools to store and process data, this includes social media, applications and online games. Thanks to wireless connectivity, mobile phones and BlackBerrys we check our email, browse the Web and connect with home or company intranets, all without wires. The use of GPS in cars and PDAs is widespread, so we can easily navigate in a foreign city or find the nearest petrol station. In the next few years, GPS chips will be incorporated into most mobile phones. Another trend is wearable computers – devices which can be worn, for example, on belt, or even sunglass which is enable to getting email and provides other different functions. Some devices are equipped with a wireless modem, a keypad and a small screen; others are activated by voice.

People of all ages and abilities can use and benefit from using communication technology. Rapid growth has led communication systems to become a keystone of everyday life.

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Rostyslav Turchyn,
Research supervisor: Vasyl Yatskiv
Candidate of Technical Sciences, Professor
Language tutor: Oksana Nychko
Candidate of Philological Sciences, Associate Professor
Ternopil National Economic University

METHODS OF SOFTWARE PROTECTION

In today's fast moving world computer piracy is one of the most important problems of the world's software industry. According to some sources, a total

amount of damage that it does to software developers is over billions of dollars a year [5]. Many scientists and computer workers have many ways of ethical, legal and technical solutions to program protection.

Self-defense ways define security elements, which include documentation, distribution of products in the form of executable modules, escorting programs, limitation of application, designing according to the identification tags. An important factor is the maintenance of programs by the developer when legitimate users are provided with revised versions of the software and its adaptation to a specific environment [3].

Ways of computer systems protection include protection of magnetic disks, protective mechanisms of computer system devices, security locks, change of functions in the system. The protection of magnetic disks can be performed at different difficulty levels which depend on the qualifications of the unauthorized users trying to access the system. To protect the disks, we must use special or modified operation systems, non-standard formatting and other protection mechanisms (entering of additional tapes and sectors, resizing of directories, sectors, data formats, replacing of information headings, etc.). Protective mechanisms of computer system devices are using hardware features. A method of creating a unique disk, which was based on mechanical damage to the magnetic surface and later on the damage with help of a laser beam, is of great interest [1].

Programs using information request for software protection require the input of additional information in the form of key words [4]. Their structure includes passwords, ciphers, signatures and equipment. So, it's the best and the most reliable method of protection.

Active protection is divided into external and internal and is activated in case of certain extraordinary circumstances. These include incorrectly entered passwords, exhausted number of launches, incorrect checksum of program areas, unauthorized copying, etc. Umesh Shankar (former graduate student in Computer Science at the University of California at Berkeley) created and continues to lead the Data Protection effort at Google, building scalable security infrastructure to keep users' data safe across Google's products and on Google Cloud Platform [6].

Passive protection involves methods for identifying programs, control devices, watermarks and psychological measures. By their help, warnings, controls, searches for proof of copying are carried out. Identification of a program or a separate module in another program is used in order to prove the copyright [2].

As you can see, the methods of protecting software have a wide range of applications. Thus, when we choose a protection mechanism, it is necessary to take into account its cost and ability to provide the required level of protection. These methods can help you in more reliable and much better protection of your computer system.

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