

Basic Recommendations for Protection Against Computer Viruses

*Tohirova Farida Olimjonovna*¹, *Tajiyev is the son of Jasurbek Kholmurod*²

Abstract: This advice should be followed before starting to use the computer. Even if the computer is not connected to the Internet, the operation of a good antivirus on the computer ensures the safety of data and the stability of the computer operation. All popular antiviruses are effective today, but you are required to update the virus detection database and set them correctly.

Necessary measures should be taken against spyware and other malicious programs (malware).

Antivirus software can sometimes need help fighting viruses, spyware, and other malware, meaning that antivirus software alone cannot fight malware.

Beware of suspicious and infected sites

Accessing the infected site will cause the computer to be infected with a virus. Nowadays, search engines (Google) can provide information about infected sites, that is, if you want to access infected sites from Google search results, Google will warn you about it. For example, [www. Go to google.co.uz](http://www.google.co.uz), type a website address and see the recommendation in the search result.

Never open email attachments before checking them with an antivirus.

Since e-mail is now considered the main means of spreading viruses, open and read only e-mails that have been checked by an antivirus.

Antivirus software should automatically scan your computer for viruses.

Most antivirus programs these days have this feature, so you should set your antivirus program to automatically scan your computer at least every two days. This method prevents the newest viruses from getting onto your computer.

Be careful about the files you save to your computer on the Internet.

If you actively use the Internet, you save a new program, music or clip to your computer almost every day, and do not forget to be careful in this process. Check the newly saved files (usually with the extension .exe, .zip, .rar) with an antivirus program.

Do not use counterfeit (Cracked) programs.

This advice will benefit the future. True, many users are not in a hurry to buy paid programs, because there are a lot of paid programs on the Internet that already have "cured" - registration keys. No one can guarantee that these programs are free of viruses, so whenever possible, use programs that are free. In the following articles, I will show you how to perform common tasks on a computer using free programs. Of course, it is necessary to use only those tools that you consider necessary, not all the tools considered for the prevention of virus infection.

1. Diskettes containing non-modifiable files should be pasted with a write-protecting cutout. it is necessary to create a write-protected logical disk on the hard disk and place only used programs and files on it without modification.
2. To protect against viruses, it is advisable to use resident software filters either always or whenever possible.

¹ Assistant of the Department of Informatics and Information Technologies, Samarkand State Medical University

² Student of the 108th group of the Faculty of Dentistry of the Samarkand State Medical University



3. Before rebooting the computer from the hard disk, make sure that there are no diskettes in the A: drive to avoid virus infections that spread through the bootable sectors of diskettes. If there is a diskette in there, open the diskette door before reloading.
4. If you want to reset the computer from a diskette, use only an operating system write-protected "reference" diskette.
5. In the AUTOEXEC.VAT command file, which is executed at DOS startup, it is desirable to put a program-checker call to check for changes in files, specifying a small list of files as parameters.
6. Files you create or modify should be archived periodically. Before archiving files, it is advisable to run a program to diagnose the presence of viruses in advance to make sure that the computer is free of viruses and to avoid placing corrupted or damaged files in the archive.
7. It is not necessary to copy software from other computers, because it may be infected with a virus.
8. After you receive or develop any software product or document, you should create a standard archived copy of the corresponding files so that these files can be easily restored in the event of a computer virus infection.
9. Before using imported diskettes, it is necessary to check for the presence of a virus using a program-detector. This is even useful if you only want to use data files on these disks - the sooner you spot a virus, the better.
10. Unattended persons should not be allowed to work on the computer, especially if they do not have their own diskettes. In most cases, the cause of computer virus infection is a computer game that was brought on a diskette and someone played it on the computer for 10-15 minutes. If it is not possible to get rid of access to the computer by random persons (for example, in a training center), it is advisable to place all or almost all programs on the computer's hard disk on a write-protected disk.
11. If the computer has a hard disk, always have a "system" diskette in a safe place, that is, a diskette from which the DOS operating system can be loaded.
12. It is necessary to collect programs to detect and eliminate various computer viruses. These programs should be placed on a diskette that should be stored in a safe place. It is advisable to keep the instructions for its use together with this diskette.

If you think your computer is infected, follow these tips:

1. If your computer is connected to the Internet, immediately disconnect the Internet connection, because some viruses can cause more damage to your computer through the Internet.
2. Back up the most important and necessary information (documents, photos and other files) to flash drives or CD/DVD discs.
3. If your computer does not have an antivirus program, install it. If possible, bring and install on another disk or flash drive and update the virus detection database. If you have an antivirus program, be sure to update the virus detection database.
4. Check the hard disk of the computer with an antivirus with an updated virus detection database.
5. Go to the website of the manufacturer of the antivirus program and if there are special utility programs that help to remove the virus from the computer, use them to clean the computer from viruses.
6. If the data on the computer hard drive has been erased, contact a computer wizard for data recovery. Do not write new data to the hard drive until the master checks the hard drive and restores the data on it.



References:

1. Abdullayeva S., Maxmudova Z., Xujakulov S. TIBBIY TA'LIMDA VR TEXNOLOGIYA //Eurasian Journal of Academic Research. – 2022. – T. 2. – №. 11. – C. 1140-1144.
2. Abdusamatovich K. S., Olimjonovna T. F. Application of web applications in medicine //Eurasian Research Bulletin. – 2022. – T. 14. – C. 46-50.
3. Nabiyeva, S. S., Rustamov, A. A., Malikov, M. R., & Ne'matov, N. I. (2020). Concept of medical information. *European Journal of Molecular and Clinical Medicine*, 7(7), 602-609.
4. Malikov, M. R., Rustamov, A. A., & Ne'matov, N. I. (2020). STRATEGIES FOR DEVELOPMENT OF MEDICAL INFORMATION SYSTEMS. *Theoretical & Applied Science*, (9), 388-392.
5. Berdiyevna, A. S., & Olimjonovna, T. F. (2022). INNOVATIVE APPROACHES IN THE EDUCATION SYSTEM TO INCREASE YOUTH PARTICIPATION. *Web of Scientist: International Scientific Research Journal*, 3(3), 674-677.
6. Esirgapovich, K. A. (2022). THE EASIEST RECOMMENDATIONS FOR CREATING A WEBSITE. *Galaxy International Interdisciplinary Research Journal*, 10(2), 758-761.
7. Toxirova, F. O., Malikov, M. R., Abdullayeva, S. B., Ne'matov, N. I., & Rustamov, A. A. (2021). Reflective Approach In Organization Of Pedagogical Processes. *European Journal of Molecular & Clinical Medicine*, 7(03), 2020.
8. Ne'matov, N., & Rustamov, T. (2022). SANATORIYLAR ISHINI AVTOMATLASHTIRISH: BRON XIZMATI VA UNING STRUKTURASI. *Eurasian Journal of Academic Research*, 2(11), 763-766.
9. Ne'matov, N., & Ne'matova, N. (2022). OLIY TA'LIM TIZIMI TALABALARIGA O'ZBEK TILINI O'QITISHDA AXBOROT TEXNOLOGIYALARINING O'RNI. *Академические исследования в современной науке*, 1(19), 37-38.
10. OB Akhmedov, AS Djalilov, NI Nematov, AA Rustamov // *Directions Of Standardization In Medical Informatics // Emergent: Journal of Educational Discoveries and Lifelong Learning (EJEDL)*, 2(2), 1-4 p. 2021
11. Ne'matov, N., & Isroilov, J. (2022). TIBBIY VEB SAYTLAR YARATISH YUTUQ VA KAMCHILIKLARI. *Zamonaviy dunyoda innovatsion tadqiqotlar: Nazariya va amaliyot*, 1(25), 162-164.
12. Ne'matov, NI. (2022). TIBBIY VEB SAYTLAR YARATISH SAMARADORLIGI. *Academic Research in Educational Sciences (ARES)* 3 (2), 118-124
13. Berdiyevna, A. S., Fazliddinovich, S. R., & Uralovich, R. N. (2022). Use of Information Technology in Improving the Quality of Education. *Eurasian Research Bulletin*, 14, 134-138. Abdullayeva, S. B., & Dosmurodova, S. S. (2022). THE ROLE OF THE FAMILY IN THE FORMATION OF VALUE DIRECTIONS IN YOUTH. *Procedia of Theoretical and Applied Sciences*, 1(1), 93-95.
14. Olimjonovna, T. F. (2023). SOCIO-HISTORICAL FOUNDATIONS OF FORMATION OF INTEREST IN THE PROFESSION AND DEVELOPMENT OF PROFESSIONAL THINKING THROUGH PEDAGOGICAL COMMUNICATION.
15. Berdiyevna, A. S., & Shokirovich, X. S. (2023). Prospective Directions of Implementation of Modern Information Technologies in Education. *Eurasian Journal of Research, Development and Innovation*, 17, 7-11.
16. Berdiyevna, A. S., Akramovna, M. M., & Olmasovna, R. P. (2023). Research in the Process of Education of Medical Students Shaping Their Abilities. *Eurasian Journal of Learning and Academic Teaching*, 17, 95-99.



17. Ismatullayevich, N. N. (2023). The role of educational websites in the development of student's higher education systems. *Eurasian Journal of Research, Development and Innovation*, 17, 17-20.
18. Ismatullayevich N. N., Ilhomovna M. Z. Automation of Sanatorium Work: Reservation Service and its Structure //Miasto Przyszłości. – 2022. – T. 29. – C. 65-67.
19. Olimjonovna T. F. Pedagogical Communication and its Role and Significance in Developing the Professional Thinking of Students //Eurasian Scientific Herald. – 2023. – T. 16. – C. 82-86.
20. Berdiyevna, A. S., Ilhomovna, M. Z., & Ogli, K. S. S. (2023). Modern methods of information exchange in polyclinic conditions. *Genius Repository*, 25, 16-20.
21. Abdullayeva, S., Maxmudova, Z., & Xo'jaqulov, S. (2023). MODERN METHODS OF INFORMATION EXCHANGE IN POLYCLINIC CONDITIONS. *Modern Science and Research*, 2(10), 304-310.
22. Махмудова, З. И., & Аббосова, Р. Р. (2023). ТЕМА: РОЛЬ ИНФОРМАЦИОННЫХ ТЕХНОЛОГИИ В ФАРМАЦЕВТИЧЕСКОЙ ОТРОСЛИ. *Gospodarka i Innowacje.*, 33, 164-169.
23. Илхомовна, М. З., & Ражабоевна, А. Р. (2023). ТЕМА: РОЛЬ ИНФОРМАЦИОННЫХ ТЕХНОЛОГИИ В ФАРМАЦЕВТИЧЕСКОЙ ОТРОСЛИ.
24. Maxmudova, Z. (2023). THE ROLE OF INFORMATION TECHNOLOGY IN THE PHARMACEUTICAL INDUSTRY. *International Bulletin of Engineering and Technology*, 3(3), 52-54.
25. Maxmudova, Z., Mehmonov, A., Maxsiddinova, O., & Tirkashev, A. (2023). SCIENTIFIC STUDIES SHOWING HOW MUCH PART OF THE BRAIN A PERSON USES. *Modern Science and Research*, 2(10), 960-964.
26. Tohirova, F., & Esanmurodova, D. (2024). THE IMPORTANCE, ADVANTAGES AND DISADVANTAGES OF THE MODULAR PROGRAM IN THE EDUCATIONAL SYSTEM. *Modern Science and Research*, 3(1), 789-794.
27. Olimzhanovna, T. F. (2023). Facts About the Poisonous Mammal-Loris. *Miasto Przyszłości*, 42, 592-594.
28. Elamanova, M., & Toxirova, F. (2023). FACTS ABOUT THE POISONOUS MAMMAL-LORIS. *Modern Science and Research*, 2(12), 226-229.
29. Olimjonovna, T. F. (2023). FERMENTLAR VA ULARNING INSON ORGANIZMIDAGI O'RNI.
30. Olimjanovna, T. F. (2023). ZAHARLI SUTEMIZUVCHI-LORIS HAQIDA FAKTLAR.
31. Olimjonovna, T. F., Rustamjonovna, T. P., & Zafarovna, I. S. (2023). Causes Leading to Baldness and How to Deal With Them. *Miasto Przyszłości*, 42, 216-220.
32. Abdusamatovich, K. S., & Olimjonovna, T. F. (2023). Information technologies in the economy. *Genius Repository*, 26, 30-33.
33. Olimjonovna, T. F. (2023). TELEMEDITSINA TEXNOLOGIYALARINI RIVOJLANTIRISH.
34. Olimjonovna, T. F. (2023). AXBOROT TEXNOLOGIYALARINI TA'LIM JARAYONIDA QO'LLASHNING PEDAGOGIK-PSIXOLOGIK OMILLARI.
35. Karabaev, S., & Toxirova, F. (2023). DEVELOPMENT OF TELEMEDICINE TECHNOLOGIES. *Modern Science and Research*, 2(4), 698-702.
36. Karabaev, S., & Toxirova, F. (2023). PEDAGOGICAL AND PSYCHOLOGICAL FACTORS OF USING INFORMATION TECHNOLOGIES IN THE EDUCATIONAL PROCESS. *Modern Science and Research*, 2(4), 703-707.
37. Abdusamatovich, K. S., & Olimjonovna, T. F. (2023). Information technologies in the economy. *Genius Repository*, 26, 30-33.

