



ROLE AND EFFICIENCY OF INFORMATION TECHNOLOGIES IN MEDICAL UNIVERSITY

Ibatova Sh.M, N.E. Ruzikulov, F.P. Abdurasulov

Samarkand State Medical University, Samarkand, Uzbekistan

ABSTRACT

The use of information technologies in the educational process increases the activity and motivation of students in learning, and provides an opportunity for the teacher to improve his pedagogic skills. In the medical institute, information technology is considered to be a very convenient and effective technological training method for the training of future doctors, so that they can think independently and assess their level of knowledge in the continuous educational process.

KEY WORDS: *information technologies, teaching methods, pedagogical skills.*

INTRODUCTION

Information technology is considered the main factor of the development of society [2,4,11]. The quality of teaching has always been a pressing issue. Special attention is paid to the training of highly qualified personnel in the Republic of Uzbekistan. Human behavior, student learning, and achievement of high-level specialization depend on effective use of available information [7,10,12,15].

A student of a higher educational institution should not only know the curriculum, have knowledge and skills, but also have the opportunity to independently learn new things in the educational process. This is especially important for medical professionals, who need to constantly update their skills during their work, update and enrich their level of professionalism along with innovations and technologies in medicine [5,13].

The modular training system is an innovative technology, and this method of the training process has proven its effectiveness with the experiences of foreign higher education institutions. According to modern views, "modular education" is understood as technological education of students, and it is based on modules and module program. The main goal of introducing a modular education system in medical universities is to increase the quality of training of future doctors [1,3,14].

Information technologies create conditions for students to acquire knowledge and skills, as well as for the formation of professional personal characteristics necessary for working as doctors in the future [8,9].

According to the modular education system, it is envisaged that the student will independently study the curriculum, work with the database and achieve the goal by using methodical manuals [6].

The educational module is a structural unit of the educational process, which forms the module program and unites into groups. Modular technology creates conditions for students to develop their thinking, creative approach and abilities. The transition to modular technology will further increase the demand for the teacher, providing information and supervision functions, as well as consultant and coordinator functions.

Evaluating modular teaching, it is worth noting its importance in increasing students' knowledge, learning activity and learning practical skills at a professional level during the educational process. The application of the module system, which monitors the students' knowledge, helps to activate the students' thinking and attention. Planned knowledge is considered as the basis of module control and increases the student's activity in mastering subjects. Thus,



the importance of this teaching system is that the students who receive education use the educational process effectively and actively.

Independent work of students is considered an important element of the learning process. According to the researchers, the transition to the module system increases independent approach to work, creativity and social professional activity of the student during the learning process. It also develops the ability of the student to receive help and advice, to assess his own level of knowledge, to work with a group.

In the module system, based on the curriculum, the student independently studies the sections of the curriculum, evaluates his knowledge level and develops independent learning skills.

The difference of this teaching system from other teaching methods is as follows:

- complete independent complex, i.e. consists of modules;
- sets a goal for the student;
- the form of communication between the student and the teacher changes;
- the student independently learns the goal in the educational process and achieves the goal with the help of the module;
- learns independent planning, self-formation, self-control and evaluation.

The introduction of the module system into the educational process gives the teacher the opportunity to control the student's activity, and for the student, it creates the opportunity to work more independently and work with additional literature.

Thus, the use of information technologies in the educational process increases the student's activity and motivation in learning, and provides an opportunity for the teacher to improve his pedagogical skills. In particular, the introduction of information technologies in medical schools is considered to be a very convenient and effective technological educational method for training future doctors, so that they can think independently and improve their level, and evaluate their knowledge.

REFERENCES

1. Aymagambetova M. M. *Obuchenie po modulnoy sisteme //Professional Kazakhstan. - 2006. #7. - S. 10 - 11.*
2. Bogdanovskaya, I. M *Information technology and pedagogical psychology. Uchebnik dlya vuzov. Standard tretogo pokolenia / IM Bogdanovskaya. - SPb.: Peter, 2018. - 405 c.*
3. Djakupov A. A. *Modulnoe obuchenie - odna iz effektivnykh mer povysheniya kachestva professionalnogo obrazovaniya //Professional Kazakhstan. - 2006. - #9. - S. 36 - 37.*
4. Ibatova Sh.M., Islamova D.S. *Effektivnost informatsionnyx tekhnologii v meditsinskom vuze. Aktualnye voprosy sovremennogo meditsinskogo obrazovaniya. Materialy I Mejdunarodnoy scientific-practical conference. Izhevsk. 2020. - S. 60-62.*
5. Ibatova Sh.M., Abdukadirova N.B. *The role of information technologies in training future specialists. Medical humanitnies v podgotovke budushchix vrachey kak sposob preodoleniya problemy dehumanizatsii meditsiny XXI veka. Mejdunarodnaya nauchno-prakticheskaya conference. Samarkand. 2020. - S. 139-141.*
6. Ibatova Sh.M., Djuraev B.A. *Informatsionnye tehnologii kak sredstvo povysheniya kachestva obucheniya. Modern scientific challenges and trends Issue 11 (33). Part 2. 2020. Collection of Scientific Works Warsaw, Poland P.247-248.*
7. Ibatova Sh.M., Achilova F.A. *The role of an innovative technological and preparation future specialist. Sbornik tezisov mejdunarodnoy conference. "The role of innovative technological and medical educational processes in the fundamental discipline of clinical medicine". Samarkand, May 6, 2021. C.56-57.*
8. *Information systems and technologies / Pod ed. Telnova Yu.F.. - M.: Yuniti, 2017. - 544 c.*
9. Karasieva Kh. O. *Sovremennye kriterii vstrebovaniya spetsialistov na rynke truda i puti formirovaniya kompetentsiy //Professional Kazakhstan. - 2006. - S. 31 - 32.*
10. Lezhnina L. V., Shishkovsky V. I. *Ballnaya sistema otsenivaniya kak factor povysheniya motivatsii studentov k uchebnoy deyatelnosti // Vestn. Tomskogo Gos. ped. flour No. 7. 2009. S. 91-94.*
11. Mikheeva, E.V. *Information technology and professional data: uchebnik / E. V. Mikheeva. - M.: Academy, 2018. - 63 p.*
12. Fedotova, E. L. *Information technology and science and education: Uchebnik / E. L. Fedotova, A. A. Fedotov. - M.: Forum, 2018. - 256 p.*



13. *Filimonova, E. V. Information technology and professional computing (SPO) / E. V. Filimonova. - M.: KnoRus, 2018. - 320 p.*
14. *Khlebnikov, A. A. Information technology (undergraduate) / A. A. Khlebnikov. - M.: KnoRus, 2019. - 320 p.*
15. *Shmelev, A. G. Informatics. Information technology and professional computing: Microsoft Word. Microsoft Excel: theory and application for professional solutions / A. G. Shmeleva, A. I. Lady's. - M.: Lenand, 2018. - 304 p.*