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DIDACTIC POSSIBILITIES OF USING "SMART" TECHNOLOGIES IN IMPROVING THE PROFESSIONAL COMPETENCE OF TEACHERS

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Abstract
This article discusses the experience of the most advanced countries in improving the quality of higher education, active participation in global educational processes, the application of advanced foreign experience in the development of higher education, in particular, SMART technology.

Keywords: higher education, teaching, method, process, quality, teacher, SMART technology, credit-module system.

Today, higher education reforms are being implemented rapidly not only in developed countries, but also in Uzbekistan. This speed is related to the demand of time, the scope of information and the possibilities of human thinking are expanding.
Currently, in the context of the virtualization of public communication and life activities, new approaches are being implemented that are flexible to the needs of the student of the 21st century. The use of modern technology is primarily related to changes in time, humanization of activities between students and teachers, allowing for independent decision-making, creative freedom, etc. In addition, the regularity of economic and social changes encourages students to use forms and approaches of independent education. That's why teachers of higher educational institutions are required to be professional in choosing the forms and methods of organizing educational activities that enable training of quality personnel.
In the age of information, human society is setting global tasks for higher education institutions, such as training potential specialists who think creatively, quickly adapt to changing situations. Modern skills and qualifications are equally necessary for activities that require high potential, from simple professions. The following can be included in the modern skills and qualifications: communicating in social networks, in various information environments, that is, exchanging information, searching for, finding, selecting relevant and useful information, working with virtual resources, organizing an educational environment, and a personal professional database that requires changing when necessary. and creation of electronic resources.

As one of the innovative approaches widely used in various fields of development, national experiences have been collected on the use of "SMART" technology in higher education. Regarding this technology, the scientist of our country A.A. Abdukadirov said the following: "SMART technologies are technologies based on information and knowledge, which are transferred to procedures based on interaction and exchange of experience. A key feature of SMART is the ability to interact with and adapt to the environment. This feature has independent value and can be applied to cities, universities, education, technology, society and many other categories.

It is known that the term "SMART" was put into practice by Peter Ferdinand Drucker in 1954. Later Paul J Meyer (1965) and George T. Doran (1981) analyzed the possibilities of this technology in their research work. The word "SMART" is formed from the initial letters of English words. These words are:

- "Specific" (specific, unique);
- "Measurable" (measurable);
-" Attainable" (achievable);
- "Relevant" (relevant, resource);
-" Time-bound" (time limits, fixed term).

The principles and elements of the "SMART" system are also widely used in the Russian open education system. The basic concepts and concept of this system were developed by Russian scientists N.V.Dneprovskaya, E.A. Yankovskaya, I.V. Systematized by Shevtsova. The opinions expressed by scientists about the essence and capabilities of the "SMART" system were summarized in the following definition: "SMART" is a characteristic of a system or process, which manifests itself in interactions with the environment and gives the system its ability to process, to immediately respond to changes in the external environment, to changing conditions. adaptability, independent development and self-management, enabling effective performance of results.

V.P. Tikhomirov evaluates the impact of modern education on the improvement of society as follows: "The parameters of the old system of education cannot prepare people to live and work in a "SMART" society. Innovative activity is impossible without "SMART" technologies. If the educational system lags behind this development direction, then it will stop." This opinion of the scientist emphasizes that higher education relies on precision, time control, and quantitative indicators in the implementation of its goals and tasks.

Through such definitions, we came to the conclusion that it is important to analyze the content of the "Special Methodology of Mother Tongue Teaching" module, to identify repetitive situations among the given theoretical and practical information,

and to prevent students from wasting their time. Including the module among the factors affecting the effectiveness of teaching, we identified tools of "SMART" technologies in the field of education: smart-projectors, smart-boards, programs designed to create interactive and communicative electronic educational materials, and smart-learning manuals. Therefore, the "SMART" educational system is a new direction of process informatization, development, which supports individualization of education, service on order and demand, and open educational environment. The main idea of "SMART" is "...teaching or learning anytime, anywhere, anytime". It was this idea that was used in the teaching of the materials of the "Special Methodology of Mother Tongue Teaching" module in the field of Sign Language Education, in particular, in the development of recommendations for the use of "SMART" and compliance with its principles in ensuring the mastery of independent learning topics by students. Emphasis was placed on the importance of clarity in defining training objectives and expected outcomes for module topics. Accuracy is achieved through the study and collection of information on the subject, accurate data, and comparison. For this, it is necessary to use the most up-to-date information in the performance of educational tasks provided for in educational programs. In addition, the use of approaches related to this technology envisages giving priority to the independence of students, involving them in activities such as research and design.

Currently, the credit-module system is widely used in the world in order to achieve versatility of specialists and the necessary personnel in the labor market. In addition, tasks such as appropriate use of human, time and technical resources, intensive formation of professional competences in the specialist are carried out through the credit module system. However, this process cannot be organized without modernizing the content of higher education and improving existing mechanisms.

In conclusion, it can be said that the credit-module system enables students to make quick and effective decisions in non-standard situations, work in a team, work independently with information (search, find, receive, analyze, effectively use), adaptability to changing situations. Training of a specialist with the listed qualities is considered one of the urgent issues facing higher education institutions, which consider maintaining and growing their position in the eyes of the state and society.

References:

1. Абдуқодиров А.А.“SMART”-технологиясига оид тушунчалар ва унинг асосий тамойиллари. Ахборот таълим маконини такомиллаштиришда ахборот ресурслари ва технологиялари интеграцияси:Республика миқёсидаги илмий-амалий анжуман материаллари.– Тошкент.:ТДПУ, 2019.

2. В.Ўринов / “Ўзбекистон Республикаси Олий таълим муассасаларида ECTS Кредит-Модуль Тизими: Асосий Тушунчалар ва Қоидалар” Тошкент 2020
3. Қодирова, Ферузахон Усмановна, and Феруза Рахимовна Тешабоева. "THE IMPORTANCE OF A METHODICAL CLUSTER IN THE COORDINATION OF HIGHER EDUCATION AND SCHOOL PRACTICE." Актуальные научные исследования в современном мире 5-7 (2020): 170-173.
4. Shuxratovich, Maxmudov Xurshid. "SOCIO-PSYCHOLOGICAL OF CHILDREN WITH SPEECH IMPAIRMENT ADAPTATION FEATURES." *INTERNATIONAL JOURNAL OF SOCIAL SCIENCE & INTERDISCIPLINARY RESEARCH ISSN: 2277-3630 Impact factor: 7.429* 11.11 (2022): 243-248.
5. Feruza, Teshabaeva, Mahmudova Madina, and Yuldasheva Dilbar. "The essence of inclusive education in developed countries." European Journal of Research and Reflection in Educational Sciences Vol 8.1 (2020).
6. Рахимова, Хуршидахон Содиковна. "FACTORS IN THE FORMATION OF MOTIVATION FOR INDEPENDENCE IN CHILDREN ON THE BASIS OF AUDITORY AND SPEECH REHABILITATION AFTER COCHLEAR IMPLANTATION." Scientific Bulletin of Namangan State University 2.10 (2020): 391-396.
7. Maxmudova, Madinaxon, and Axmedova Vaziraxon. "TAYANCH–HARAKATI A’ZOLARI FALAJLANGAN BOLALAR LUG’ATINI RIVOJLANTIRISH YO’LLARI." Conference Zone. 2022.
8. Тешабоева, Ф. Р. (2020). PROBLEMS OF TEACHING THE MODULE" SPECIAL METHODS OF TEACHING THE MOTHER LANGUAGE" AT THE UNIVERSITY. Актуальные научные исследования в современном мире, (5-7), 229-232
9. Sodiqjon o'g'li, Akbarov Sardor. "O‘ZBEKISTONDA INKLYUZIV TA’LIMNING JORIY HOLATI VA MAVJUD MUAMMOLARI." Conference Zone. 2022.
10. Maxmudova, Madinaxon, and Babayeva Azizabonu. "RUHIY RIVOJLANISHI SUSTLASHGAN BOLALAR LUG’ATINING PSIXIK RIVOJLANISH BILAN BOG’LIQLIGI." Conference Zone. 2022.
11. Sodiqjon o'g'li, Akbarov Sardorjon. "INKLYUZIV TA’LIMNING MAQSAD VA VAZIFALARI." Conference Zone. 2022.
12. Shermatovna, Erkaboyeva Nigora, and Akbarov Sardor Sodiqjon O’g’li. "Conditions of inclusive education." Web of Scientist: International Scientific Research Journal 3.7 (2022): 1-4.
13. Maxmudova, M., and O. Zikirova. "SPEECH THERAPIST AND FAMILY COLLABORATION IN OVERCOMING SEVERE SPEECH DEFICITS." (2021).

14. Sobirkhonovna, M. M. (2020, December). PROFESSIONAL TRAINING OF FUTURE SPEAKERS IN THE PERIOD OF INDEPENDENT STUDY. In Archive of Conferences (Vol. 10, No. 1, pp. 75-76).
15. Rahimna, Teshaoeva Feruza. "THE USE OF COMPUTER GAMES TO DEVELOP SPEECH CAPABILITIES FOR CHILDREN WITH SPEECH DEFICIENCY." In Conference Zone, pp. 130-132. 2022.
16. Sadikovna, PhD Raximova Xurshidaxon. "Stages of pedagogical and psychological rehabilitation of children with cochlear implants with hearing impairments." INTERNATIONAL JOURNAL OF SOCIAL SCIENCE & INTERDISCIPLINARY RESEARCH ISSN: 2277-3630 Impact factor: 7.429 11.11 (2022): 192-198.
17. Maxmudova, Madinaxon. "Technologies for the development of professional competencies of students of Higher Education." *INTERNATIONAL JOURNAL OF SOCIAL SCIENCE & INTERDISCIPLINARY RESEARCH ISSN: 2277-3630 Impact factor: 7.429* 11.11 (2022): 249-254.
18. Sadikovna, Rakhimova Khurshidakhon, and Bakirova Muhlisakhan. "PROVIDING PSYCHOLOGICAL-PEDAGOGICAL SUPPORT TO HEARING IMPAIRED CHILDREN." Web of Scientist: International Scientific Research Journal 3.11 (2022): 501-506.
19. Makhmudov Khurshid Shukhratovich. IMPORTANCE OF DIDACTIC GAMES IN SPEECH DEVELOPMENT OF MENTALLY RETARDED CHILDREN. Asian Journal of Multidimensional Research. ISSN: 2278-4853 Vol. 11, Issue 11, November 2022 SJIF 2022 = 8.179 A peer reviewed journal. Pages 20-23.
20. Sodiqovna, Rakhimova Khurshidahon. "USE OF INNOVATIVE TECHNOLOGIES IN THE FORMATION OF SPEECH SKILLS IN CHILDREN WITH HEARING DISABILITIES." Euro-Asia Conferences. Vol. 1. No. 1. 2021.
21. Yuldashevna, Ayupova Mukarramxon, and Rakhimova Khurshidahon Sodiqovna. "CORRECTION-PEDAGOGICAL WORK SYSTEM OF PREPARATION OF CHILDREN FOR INDEPENDENT ACTIVITY AFTER COCHLEAR IMPLANTATION." Archive of Conferences. Vol. 10. No. 1. 2020.
22. Sodiqovna, Rakhimova Khurshidahon, and Kadyrova Mahzuna Shamshidinovna. "DEVELOPING HEARING PERCEPTION IN HEARING-IMPAIRED CHILDREN OF PRESCHOOL AGE." (2021).
23. Kodirova F.U., Matupaeva S.Z., Teshaboeva F.R.Methodical cluster-an innovative mechanism to increase the efficiency of general secondary and inclusive education. //http://www.idpublications.org/wp-content/uploads/2020/08/.5.
24. Rakhimova Khurshidahon Sodiqovna. PREPARATION OF PRESCHOOL CHILDREN WITH COCHLEAR IMPLANTS FOR INDEPENDENT LEARNING.

European Journal of Research and Reflection in Educational Sciences Vol. 8 No. 8, 2020 Part III, ISSN 2056-5852. Pageы 159-161.

25. Sadikovna, Rakhimova Khurshidahon. "Objectives and tasks of cochlear implantation." Web of Scientist: International Scientific Research Journal 3.4 (2022): 1250-1255.
26. Sodiqovna, R. K., & Zulfiya, A. Formation of Independence Motivation Based on Rehabilitation Work with Children with Cochlear Implants. International Journal on Integrated Education, 3(10), 310-312.
27. Rakhimova Khurshidakhon Sadikovna, HEARING-SPEECH REHABILITATION OF CHILDREN WITH COCHLEAR IMPLANTS AS A SOCIO-PEDAGOGICAL PROBLEM. Asian Journal of Multidimensional ResearchISSN: 2278-4853 Vol. 11, Issue 11, November 2022 SJIF 2022 = 8.179 A peer reviewed journal, Pages 6-9.
28. Sadikovna, Rakhimova Khurshidakhon, and Bakirova Muhlisakhan. "PROVIDING PSYCHOLOGICAL-PEDAGOGICAL SUPPORT TO HEARING IMPAIRED CHILDREN." Web of Scientist: International Scientific Research Journal 3.11 (2022): 501-506.
29. Sadikovna, Rakhimova Khurshidakhon. "METHODS OF WORKING ON DIALOGICAL SPEECH IN OUT-OF-COURSE ACTIVITIES WITH HEARING-IMPAIRED STUDENTS." Web of Scientist: International Scientific Research Journal 3.11 (2022): 521-527.
30. Sadikovna, Raximova Xurshidaxon, and Abdalova Nodira Bahtiyarovna. "KOXLEAR IMPLANTATSIYADAN SO'NG OGZAKI VA YOZMA NUTQNI EGALLASHIDAGI MUAMMOLAR." Conference Zone. 2022.
31. Sobirkhonovna, Mahmudova Madina. "DEVELOPMENT OF PROFESSIONAL COMPETENCIES OF FUTURE SPEECH THERAPISTS IN THE PROCESS OF STUDYING INDEPENDENTLY." European Journal of Research and Reflection in Educational Sciences 8.8 (2020): 155-158.
32. Ibragimovna, Tuhtasinova Munira. "Today, there are Prestigious International Organizations that Conduct Research on the Evaluation of the Achievements of the Educational System of the Countries of the World and Help in the Implementation of Reforms." Central Asian Journal of Literature, Philosophy and Culture 3.11 (2022): 137-140.
33. Ibragimovna, Tuhtasinova Munira. "The Importance of International Assessment Programs in Enhancement, Assessment and Development of Reading Literacy of Primary Students." Central Asian Journal of Literature, Philosophy and Culture 3.11 (2022): 133-136.

34. Обиджонова, Раьно Набиевна, and Мунира Ибрагимовна Тухтасинова. "PEDAGOGICAL FEATURES OF FORMATION OF SELF-CONSCIOUSNESS AT STUDENTS." Актуальные научные исследования в современном мире 5-7 (2020): 174-177.
35. Azimjon o'g, Oppoqxo'jayev Xojixuja. "INCLUSIVE EDUCATION SYSTEM PROGRESS OF THE PROCESS." INTERNATIONAL JOURNAL OF SOCIAL SCIENCE & INTERDISCIPLINARY RESEARCH ISSN: 2277-3630 Impact factor: 7.429 11.11 (2022): 199-206.
36. Azimjon o'g, O. J. X., & Sarvinoz, Y. (2022, December). INKLYUZIV TA'LIM SAMARADORLIGINI OSHIRISHDA OILA VA MAKTAB HAMKORLIGINI KUCHAYTIRISH IJTIMOIY-PEDAGOGIK MUAMMO SIFATIDA. In Conference Zone (pp. 466-474).
37. Akramovna, Rejapova Namuna, and Abdubannobova Mahliyoxon Abdurashidqizi. "Problems in the organization and management of inclusive education and upbringing of children with visual impairments in preschools." International Journal of Early Childhood Special Education 14.7 (2022).
38. Jo'rayevich, Yuldashev Sodirjon. "ORGANIZATIONAL AND METHODOLOGICAL WORK NECESSARY FOR THE INTRODUCTION OF INCLUSIVE EDUCATION INTO PRACTICE." INTERNATIONAL JOURNAL OF SOCIAL SCIENCE & INTERDISCIPLINARY RESEARCH ISSN: 2277-3630 Impact factor: 7.429 11.11 (2022): 159-164.