

Improving the Methodology of Teaching Specialized Subjects in The Preparation of Future Computer Engineering on The Basis of Innovative Technologies



Atamuratov, R.K., Isayevna, A.N., Gulomjonovna, P.G., Botir Qizi, P.S

Issue	8th International Conference on Computer Science and Engineering UBMK 2023
Article Number	193873
Number of page(s)	13
Section	Information technology
DOI	10.1109/UBMK55850.2022.9919441
Published online	15 September 2023

Abstract

In the preparation of future computer engineers, the issues of improving the methodology of teaching specialized subjects on the basis of innovative technologies are widely discussed in the article. The main focus of the article is on the issues of education of students in the direction of computer engineering using innovative technologies in the development of digital and software-technological competencies. Also theoretical and practical information on improvement on the basis of such features as content and essence of the disciplines of expertise, psychological characteristics that provide interthematic continuity, harmony of illustrations, materials encouraging activity, interdisciplinary connection, logical structure, connection with practice is presented. 'dismath.uz', author software based on mobile technologies in the teaching the course 'Discrete structures' in the field of computer engineering, its practice-oriented teaching, 'Agile' innovative technology, are improved on the basis of prioritizing the classification of live and online collaborations of the innovative technology of collaborative learning.