USE OF LOGICAL SCHEME OF CONCEPTS IN TEACHING GENERAL PEDAGOGY

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Abstract: *The article takes into account the difficulties encountered in acquiring basic knowledge and skills in teaching subjects, and recommends using a logical scheme of concepts as a solution. For example, modules related to the subject "General Pedagogy" were selected, a logical scheme of concepts was created, and a computer simulation model was created that displays information about each module and teaches. The methodology for organizing lecture classes based on the created model is explained.*

Keywords: *Logical scheme of concepts, TMS, integration, terms, modern subjects, scheme, students, computer simulation model.*

Introduction. In the rapidly developing Uzbekistan, inventive and curious young people are in demand for modern education and new and different methods. It is the duty of us, educators, to interest them in studying and use computer technologies during their educational activities. Currently, various interesting, interactive, easy-to-understand methods have appeared and will continue to appear in teaching subjects. Through their use, it is possible to successfully cover almost 80% of the audience. Which of the methods to use, of course, depends on the teacher's skills and approach to science.

Even in traditional teaching methods, innovative teaching using technologies helps the teacher create a classroom atmosphere, manage the learning process, enrich the learning process with the necessary information, and at the same time explain the subject to students in an easy and simple way. One of these is the **logical scheme of concepts** (TMS). The presentation of information to students through a logical scheme is not limited to listing its meaning, characteristics or properties, but is called a logical scheme of concepts, which is intended to interest students in the learning process and show ways to closely connect information [1].

Analysis of literature on the topic. Recently, a lot of literature has begun to appear on computer-based educational tools, but in most of these publications the authors mainly pay attention to the methodological and didactic features of the issue, and practically do not pay attention to the analysis of the use of electronic educational tools in the educational process [1]

An analysis of existing scientific publications on the application of software tools in the educational process shows that the issue of using software tools in the educational process is given great attention worldwide. Russian scientists M.V. Sosedko conducted research on the activity of students in educational activities based on new information technologies, L.S. Zauer identified didactic conditions for the application of information technologies. The dissertations of A.N. Burov, M.N. Maryukov, M.I. Ragulina, O.P. Solobuto, A.V. Yudakov and others examined the issues of using new information technologies in teaching mathematics [2]

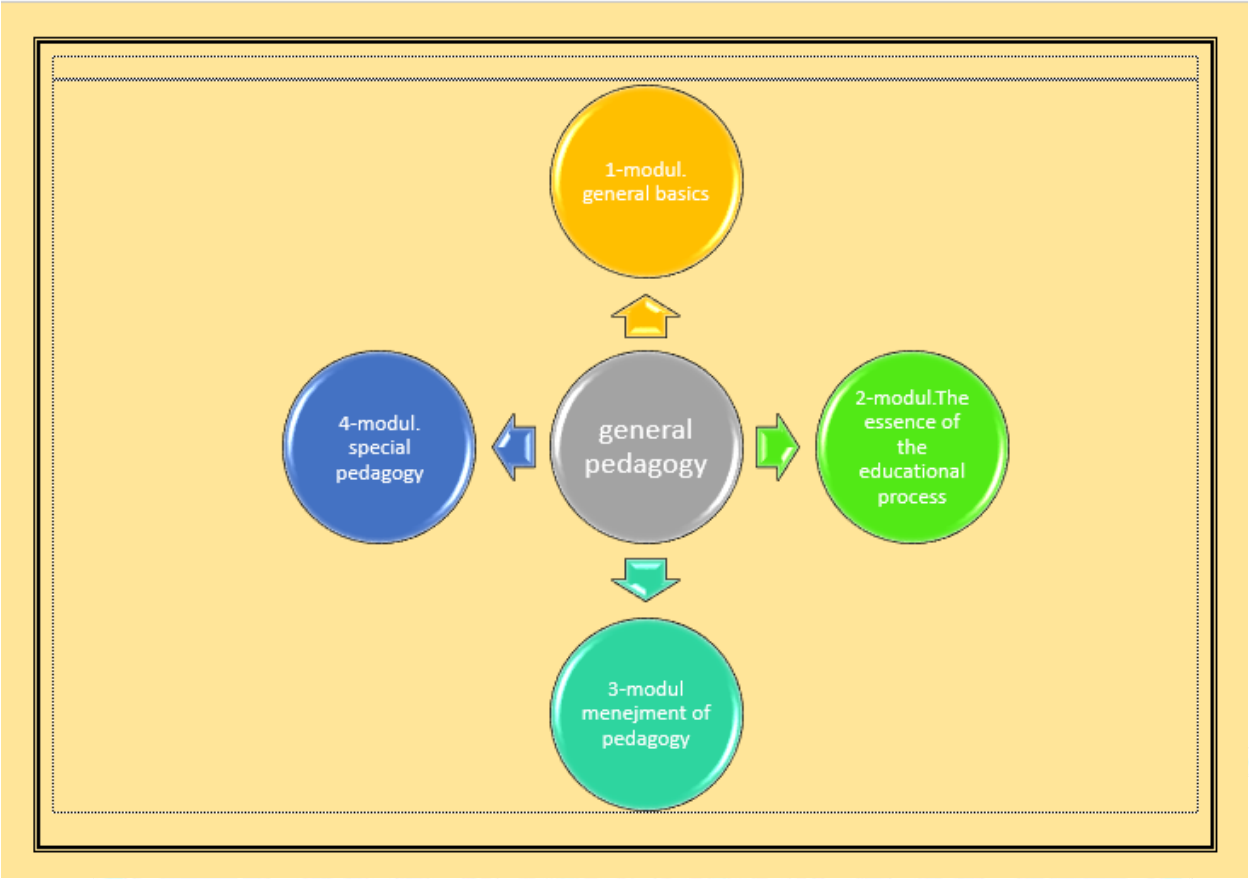
Uzbek scientists S.S. Gulyomov, A.Kh. Abdullayev [3] showed that creating virtual stands and applying them to the educational process is one of the current issues. A.M. Pulotov [4] conducted scientific research on a simulation model that predicts the level of knowledge that students will acquire in the future based on their knowledge in the subject "Informatics and Information Technology" and the methodology for using it.

This article sets the problem of creating and experimentally testing a computer simulation model (animation) that can reveal the essence of the content of each concept based on the logical scheme of concepts in teaching subjects. The goal is to develop the implementation of the logical scheme of concepts in teaching various subjects using a computer simulation model as a methodological problem.

Research methodology. The logical scheme of concepts is very useful not only in explaining the concepts of a single subject, but also in interdisciplinary integration. Currently, almost all disciplines are improving from year to year, and modern disciplines are emerging (pedagogical conflictology, deontology, pedagogical acmeology, etc.). In explaining them, terms that do not have a clear translation in the Uzbek language (empathy, perspective, competence, intuitiveism, etc.) or jargons added from a foreign language are entering the Uzbek language. The logical scheme of concepts is very useful in such multifaceted areas. For example, in computer science and information technology, a logical scheme of concepts such as algorithm, simple types, complex types, records, operators, procedures, program, system operation, software tool can be given [5]. Another example is teaching pedagogy to students studying in the English language bachelor's program. For this, of course, a modern teacher must be familiar with the English language, as they say, "a piece of cake from every field." TMS helps in this, that is, when creating a scheme, you can use the translation of topics into a foreign language in parallel. This tactic helps both the teacher and the student to quickly understand. The logical scheme of concepts is also useful for students studying in medicine. In medicine, there are terms or terms that have come from foreign languages, especially Latin, and have been preserved unchanged until now (diagnosis, gastritis, nephritis, asthma, trauma, etc.), placing them in a logical

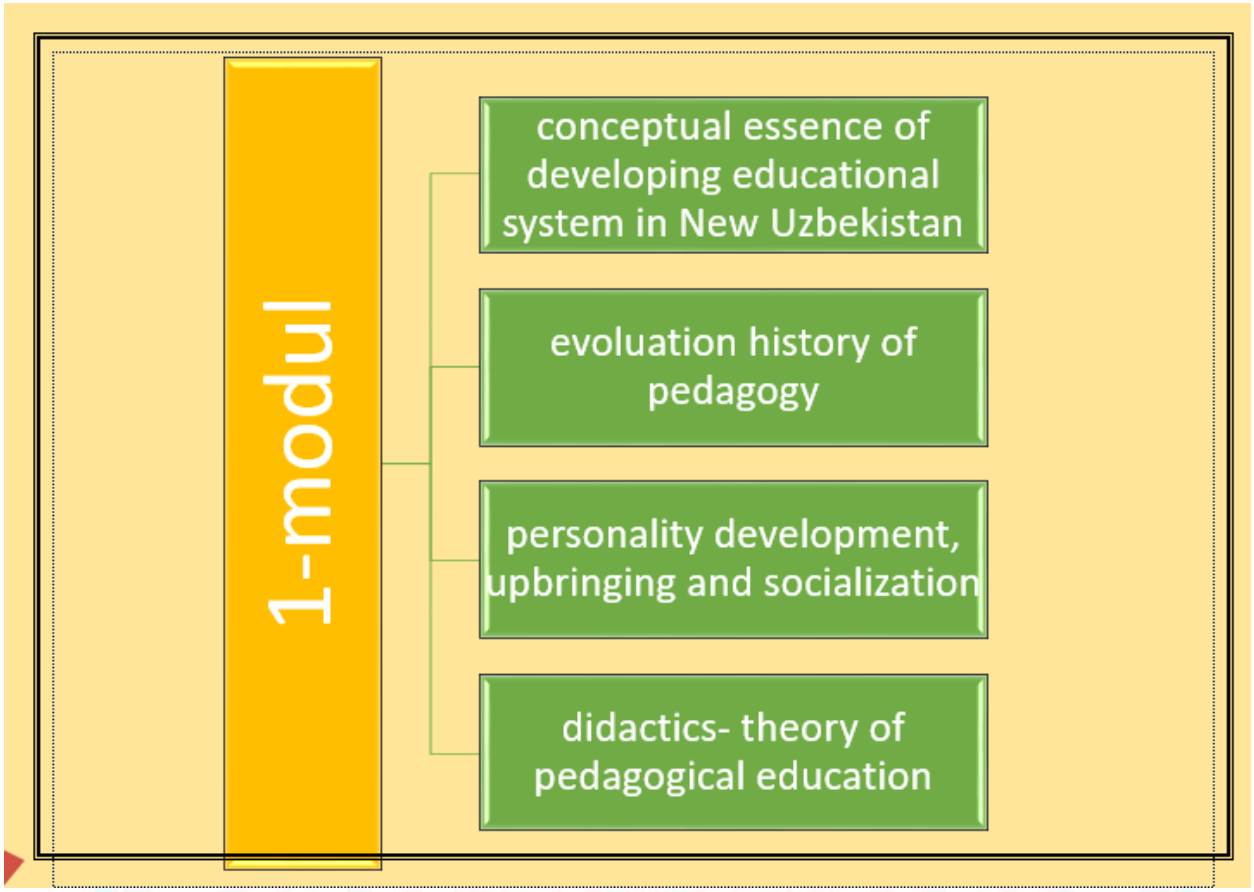
scheme and explaining the essence of the terms can be used by adding comments and additions about the subject.

If we draw up a logical scheme of concepts in the subject of "General Pedagogy", we can draw up the meaning of concepts in terms of sections (modules).



Picture-1. Logical scheme of concepts in the subject of General Pedagogy.

As we can see in the logical scheme, the modules in the subject are placed in a single scheme and when each module is launched through a special link, you can access the topics, and after the topics, the plan and the information in it. As we can see, there is no unnecessary information, it is written in a clear and simple language.



Picture-2. Internal logical scheme of the General Fundamentals module of the subject of General Pedagogy.

Through the logical scheme of concepts, students can independently study subjects or create TMS based on the obtained database and easily explain the topic to their peers. For this, it is necessary to be familiar with the computer simulation model and be familiar with the essence of the subject.

Undoubtedly, TMS is a method that can be widely used in all fields. The above examples were compiled based on the work of scientists and caused a very wide discussion. The discussions ended positively, concluding that it serves as the main foundation for designing databases, preventing their redundancy, and saving time for development.

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