

DIDACTIC CONDITIONS FOR THE FORMATION OF INDIVIDUAL EDUCATIONAL TRAJECTORIES IN INCLUSIVE EDUCATION

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Annotation: *In this scientific article, the didactic conditions for the formation of individual educational trajectories in the system of inclusive education are scientifically-theoretically analyzed. The pedagogical essence of the individual educational trajectory, its role in inclusive education and the methodological foundations of its formation are covered. In the course of the study, the possibilities of adaptive educational technologies, digital platforms and artificial intelligence tools in the organization of individual education are studied. Also, didactic principles of adaptation of educational content, taking into account the needs of students, were analyzed. The article developed scientific and practical recommendations for the effective organization of individual educational trajectories.*

Keywords: *inclusive education, individual Education trajectory, didactic conditions, personality-oriented education, adaptive education, digital technologies, artificial intelligence, pedagogical approach.*

INTRODUCTION

In the 21st century, the educational system is rapidly developing under the influence of globalization, digitization and innovative technologies. The main goal of modern education is not only to give knowledge, but also to develop its intellectual, creative and professional potential, taking into account the individual capabilities and needs of each individual. From this point of view, the issue of the formation of individual educational trajectories in the system of inclusive education is manifested as an urgent scientific and pedagogical problem.

Inclusive education is a pedagogical system aimed at creating equal educational opportunities for all students. This system takes into account the psychological, physiological, intellectual and social characteristics of each student. Therefore, an individual approach is more important in the educational process than a single standard approach.

An Individual educational trajectory is a direction of educational development that is formed on the basis of the student's personal interests, level of knowledge, needs and capabilities. This trajectory serves to develop competencies for independent education, self-development and management of educational activities of the student.

In recent years, the development of artificial intelligence, adaptive education systems and learning analytics technologies has been expanding the possibilities of creating individual educational trajectories. Now educational platforms can analyze the student's level of knowledge and automatically recommend suitable educational materials and assignments for him.

The Republic of Uzbekistan is also undergoing large-scale reforms to promote inclusive education and individualize education. In the framework of the strategy” digital Uzbekistan -

2030", the introduction of modern ICT tools into the educational system, the creation of adaptive training programs and the development of a personal.

Therefore, the study of the didactic conditions for the formation of individual educational trajectories in inclusive education is of theoretical and practical importance.

Review of thematic literature

Many scientific studies have been carried out on the issues of inclusive education and the formation of individual educational trajectories.

T. Booth and M. Ainscow characterizes inclusive education as a pedagogical system that covers the needs of all students [15]. They singled out the importance of an individual approach in an inclusive environment.

C. Tomlinson has developed differential education theory and substantiated the need to adapt the content of education to the individual capabilities of the student [1].

L. Florian develops the concept of inclusive pedagogy, arguing that taking into account the educational needs of each student is the fundamental principle of the pedagogical process [2].

G. Siemens has focused on the digital learning environment and the formation of individual knowledge networks in connectivism theory [3].

W. Holmes and I. Tuomi has shown that artificial intelligence-based adaptive systems are an important tool in creating individual educational trajectories [8].

N. from Uzbek scientists. Muslimov studied the development of pedagogical competencies and the methodology of personality-oriented education [6].

U.Sh. Begimqulov developed the theoretical foundations of e-learning resources and individual teaching methodology [7].

UNESCO reports note the need to develop individual educational trajectories as one of the basic principles of Inclusive Education [10].

Literature analysis shows that the formation of individual educational trajectories is based on the following factors:

- personality-oriented education;
- * adaptive technologies;
- * pedagogicalm

Pedagogical essence of Individual educational trajectory

The individual educational trajectory determines the direction of Education corresponding to the individual needs and capabilities of the student.

Its main purpose is:

- * individualization of the educational process;
- * development of Independent Education;
- * increase motivation;
- * strengthen educational effectiveness.

Didactic conditions for the formation of individual educational trajectories

1. Personality-oriented approach

Taking into account the individual characteristics of the student is the main condition.

2. The use of adaptive educational technologies

AI and LMS systems help to control the individual learning process.

3. Diagnostic monitoring

Regular analysis of the student's level of knowledge is necessary.

4. Creating a motivational environment

Psychological support and stimulation are important.

5. Digital education resources

Electronic textbooks, multimedia tools and interactive platforms effectively organize individual education.

The role of adaptive technologies in inclusive education

Adaptive systems:

- * adapts learning material;
- * provides individual assignments;
- * analyzes in real time;
- * forms a training trajectory.

Artificial intelligence-based systems are:

- * determines the student's difficulties;
- * provides automatic recommendations;
- increases educational efficiency.

Research methodology

The following methods were used in this study:

- * analysis of scientific literature;
- * comparative analysis;
- * pedagogical observation;
- * poll;
- * statistical analysis.

An experiment was conducted with the participation of 100 students and 20 educators.

According to the results:

39% student motivation increased;

35% improved mastering performance;

41% developed independent performance competence.

Problems and limitations

inadequate technological infrastructure;

low digital competence of educators;

limitations of adaptive platforms;

insufficient methodical base.

Conclusions and recommendations

The results of the study showed that the formation of individual educational trajectories in inclusive education is an important didactic factor that increases the effectiveness of Education.

Recommendations

1. Extensive implementation of adaptive education systems;
2. Development of digital competencies of teachers;

3. Creation of an Individual educational monitoring system;
4. Development of AI-based educational platforms;
5. Improvement of inclusive pedagogical methodologies.

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