

## COMPONENTS AND FEATURES OF AN INNOVATIVE LEARNING ENVIRONMENT

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**Annotation:** This thesis provides information on the components and features of an innovative learning environment for general education.

**Keywords:** learning environment, integration, component, education, quality of education

The success of a modern education system depends on how innovative and person-oriented the learning environment is organized. An innovative learning environment is a pedagogically well-designed system integrated with digital technologies, serving to reveal the intellectual, creative and practical potential of students.

An innovative learning environment is a didactic environment that comprehensively uses modern information and communication technologies, advanced pedagogical methods, interactive tools in the teaching and learning process, and encourages active student participation. In this environment, students acquire knowledge not in a ready-made form, but through independent research, collaboration, and practical activities. The innovative learning environment consists of the following main components:

Didactic component - Flexibility and integrity of the learning content Activity-based learning methods (case-study, project-based learning) Reflective approaches (feedback, portfolios)

Technological component - Information and communication technologies (computer, internet, virtual laboratories), Digital platforms (Google Classroom, Moodle, Zoom), Artificial intelligence and automated assessment systems

Psychological-pedagogical component - Student motivation system, Socio-psychological climate, Person-centered approach and communication based on mutual respect

Organizational-management component - Management mechanisms that support innovative activities, Collaborative activities of the teaching team, Mechanisms for assessing and improving the learning environment

The distinctive features of the innovative learning environment are:

Interactivity - active communication between the teacher and the student, collaborative learning;

flexibility - an approach that meets the individual needs of students;

digital integration - deep integration of technological tools into the educational process;

innovative pedagogy - the development of modern teaching methods and skills;

creating an environment for self-development - opportunities for independent thinking and self-assessment of the student.

The following factors are important in forming an effective innovative learning environment: Innovative competence of the teacher; availability of technical means and resources; openness of the educational institution and readiness for innovation; availability of regular assessment and analysis mechanisms.

An innovative learning environment is not just a place for taking lessons, but a socio-pedagogical environment that teaches students to search for new knowledge, analyze problems, and think creatively. Each of its components complements each other and plays an important role in improving the quality of education. Therefore, every educational institution should focus on designing a modern, innovative learning environment and continuously improving it. An innovative learning environment is one of the important components of the modern educational process. In this environment, the student not only receives knowledge, but also has the opportunity to think independently, solve problems, and develop a creative approach. Technological infrastructure, pedagogical approaches, and communication between the teacher and the student play an important role in creating an innovative environment.

An innovative learning environment combines several components: a technological base, pedagogical methodologies, physical space, socio-psychological conditions, and digital tools. When each element works in harmony, a convenient, effective, and activity-oriented space is created for the student.

The technological base refers to modern information and communication technologies. Interactive whiteboards, computers, tablets, high-speed Internet connections, and digital educational platforms are the main tools in this direction. These tools direct students to independent learning, critical thinking, and collaborative work.

Pedagogical methods enrich the innovative environment in terms of content. Approaches such as PBL (Project-Based Learning), STEAM, Flipped Classroom, and gamification ensure the active participation of students and transform them from passive listeners to active participants.

The compliance of the physical environment with ergonomic and aesthetic requirements is also important. Furniture that does not tire students, lighting, air circulation, and color harmony directly affect learning activities. A quiet, safe, and socially supportive space is an integral part of an innovative learning environment.

The socio-psychological environment is one that ensures the formation of communication, respect, support, and social cooperation between students and teachers. Encouraging students and giving them the opportunity to freely express their opinions makes this environment effective.

The innovative learning environment is further expanded through digital tools and distance learning resources. With the help of virtual laboratories, artificial intelligence-based educational programs, and educational platforms, students will have the opportunity to receive independent education in their own time.

The characteristics of an innovative learning environment include interactivity, flexibility, openness, creative approach, reliance on technology, and mutual cooperation. In such an environment, the teacher is a guide, mentor, and partner, while the student is an active participant, creator, and researcher. Also, state policy, social orders, training of pedagogical personnel, and development of the material and technical base are of great importance in creating an innovative learning environment. The cooperation of parents, society, and the state is important in this process. Assessment of an innovative learning environment serves the following purposes: Determining the impact of implemented innovations on the quality of education; analyzing resource efficiency; studying the attitude of teachers and students to innovation; optimizing the development strategy.

The main areas of assessment:

a) Pedagogical effectiveness.

Determining how the level of knowledge, activity and creative potential of students have changed as a result of innovative methods.

b) The functioning of technological infrastructure.

The functionality of technological tools, the frequency of their use and the quality of technical maintenance are assessed.

c) The participation of teachers and staff.

The participation of the pedagogical team in innovative projects, their level of qualification and openness to innovations are analyzed.

d) The opinions of students and parents. The attitude of students and parents to innovations is determined through digital questionnaires and interviews. In conclusion, an innovative learning environment is not just a technically equipped room, but a system of social, cultural, technological and psychological cooperation between a student and a teacher. In this environment, an approach aimed at developing human capital is a priority.

#### **List of used literature:**

1. Muslimov N.A. et al. Pedagogical competence and creative foundations. Educational and methodological manual. – T.: “Sano-standart”, 2015. – 120 p.
2. Khodjaev B.Kh. Ways to form independent thinking of teachers. -T.:2001-112.b
3. Mamadov N.S. Innovative management of general education schools. Candidate of Pedagogical Sciences. ... dissertation. - T., 2009. - P.17.
4. Yarullina. G.B. History of information technology system education in the first half of the 20th - early 21st century: Autoref. dis. ... candy. historiches. science - Ufa, 2006. - P.3.