

**The Methodology of Applying Modern Technologies in Conducting Professional Creative Examinations in Physical Education and Sport**

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**Annotation**

This article examines the methodological aspects of using modern technologies in conducting professional creative exams in physical education and sports. The study analyzes the application of biometric devices, artificial intelligence algorithms, and virtual reality technologies. These approaches have been proven to make examination processes more accurate, objective, and efficient. Furthermore, the article offers scientifically grounded recommendations to enhance student satisfaction and simplify the roles of instructors in the process.

**Keywords**

modern technologies, physical education, sports, professional exams, biometric devices, artificial intelligence, virtual reality.

**Jismoniy tarbiya va sport sohasida kasbiy ijodiy imtihonlarni o'tkazishda zamonaviy texnologiyalarni qo'llash metodikasi**

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**Annotatsiya**

Mazkur maqolada jismoniy tarbiya va sport sohasidagi kasbiy ijodiy imtihonlarni o'tkazishda zamonaviy texnologiyalarni qo'llashning metodologik jihatlari o'rganiladi. Tadqiqotda biometrik qurilmalar, sun'iy intellekt algoritmlari va virtual haqiqat texnologiyalaridan foydalanishning samaradorligi tahlil qilinadi.

Ushbu yondashuvlar imtihon jarayonlarini yanada aniq, xolis va samarali o'tkazishga imkon berishi isbotlangan. Shuningdek, maqolada talabalarning qoniqish darajasini oshirish va o'qituvchilar ishini yengillashtirish bo'yicha ilmiy jihatdan asoslangan tavsiyalar keltirilgan.

**Kalit so'zlar**

zamonaviy texnologiyalar, jismoniy tarbiya, sport, kasbiy ijodiy imtihon, biometrik qurilmalar, sun'iy intellekt, virtual haqiqat, samaradorlik, natijadorlik, talaba qoniqishi, xolislik.

**Методология применения современных технологий в проведении профессиональных творческих экзаменов в области физического воспитания и спорта**

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**Аннотация**

В данной статье изучаются методологические аспекты применения современных технологий в проведении профессиональных творческих экзаменов в области физического воспитания и спорта. В исследовании анализируется эффективность использования биометрических устройств, алгоритмов искусственного интеллекта и технологий виртуальной реальности. Данные подходы доказали свою способность делать процесс экзаменов более точным, объективным и эффективным. Кроме того, в статье приведены научно обоснованные рекомендации по повышению удовлетворенности студентов и упрощению работы преподавателей.

**Ключевые слова**

Современные технологии, физическое воспитание, спорт, профессиональные экзамены, биометрические устройства, искусственный интеллект, виртуальная реальность.

The development of modern technologies has significantly impacted the field of physical education and sports. Particularly in the administration of professional creative examinations, the use of innovative technologies has made the process more efficient, objective, and transparent. Integrating modern approaches in the field of physical education not only enhances the precision of assessments but also creates new opportunities for examinees.

The need to reduce human influence and ensure objectivity in professional creative examinations.

A deeper exploration and practical implementation of innovative technologies such as biometric measurement devices, virtual reality applications, and AI algorithms.

The possibility of evaluating not only theoretical knowledge but also physical indicators in real-time during examinations.

This paper focuses on analyzing methods of conducting professional creative examinations in physical education and sports using modern technologies. The study evaluates the impact of technologies on examination efficiency through experimental analysis.

The review highlights that modern technologies not only assess student performance more accurately but also contribute significantly to developing their skills. Broader adoption of these technologies ensures that examinations are conducted objectively, efficiently, and with higher quality.

**RESEARCH METHODS**

This study analyzed methods for enhancing the efficiency of professional creative examinations using modern technologies. The following primary approaches were employed:

Experimental approach:

Special tests were conducted using innovative devices to evaluate the performance levels of students and athletes. Motion-tracking technologies and biometric data were used to assess physical indicators.

### **DATA COLLECTION AND ANALYSIS:**

The results obtained were processed using statistical analysis methods and presented in the form of graphs and charts.

Control and experimental groups:

Modern technologies were introduced to the experimental group, and their results were compared with those of the control group, which used traditional methods. This allowed for an evaluation of the effectiveness of these technologies.

Surveys and interviews:

Surveys and interviews were conducted with instructors and students to gather feedback on the use of modern technologies during examinations.

### **RESULTS AND ANALYSIS**

The results of the study demonstrate the significant impact of modern technologies on the effectiveness of professional creative examinations. The key differences between the experimental and control groups are as follows:

#### 1. Accuracy of evaluations (objectivity)

Experimental group: Biometric devices recorded real-time data for each participant, achieving an accuracy rate of 95%.

Control group: Traditional evaluation methods resulted in a lower accuracy rate of 78%.

#### 2. Test completion speed (time efficiency)

The experimental group completed tests on average 30% faster.

The control group experienced delays due to traditional methods.

#### 3. Participant satisfaction

Students in the experimental group reported high satisfaction with the convenience and functionality of modern technologies. Survey results indicated a satisfaction rate of 90%.

Table 1. Comparison of Results

<b>Indicators</b>	<b>Experimental Group</b>	<b>Control Group</b>	<b>Difference (%)</b>
<b>Accuracy (%)</b>	95%	78%	+17%
<b>Speed (average time)</b>	15 minutes	21 minutes	-30%

<b>Indicators</b>	<b>Experimental Group</b>	<b>Control Group</b>	<b>Difference (%)</b>
<b>Satisfaction rate (%)</b>	90%	65%	+25%

#### Overall Analysis

The results confirmed the positive impact of modern technologies on examination processes. Specifically, real-time tracking of results improved transparency and accuracy.

#### **DISCUSSION**

The effectiveness of applying modern technologies in professional creative examinations was confirmed by the study's results. When compared with other research, the following key conclusions were drawn:

##### Accuracy and objectivity

Recent studies (Jensen, 2018; Thompson, 2020) demonstrate that biometric technologies and artificial intelligence lead to more accurate and objective results. Our research confirmed similar findings, highlighting the need for broader adoption of these technologies.

##### Time efficiency

Initial studies, such as those by Smith and Lee (2019), show that modern technologies can accelerate the testing process. In our study, the experimental group completed tests 30% faster than the control group. This allows for more efficient use of time in administering exams.

##### Student satisfaction

Research (Parker, 2021) shows that using technologies in exams ensures higher student satisfaction. In our experiment, students in the experimental group expressed high levels of satisfaction with the use of modern technologies, further confirming the benefits of innovative approaches.

#### **ONCLUSIONS AND RECOMMENDATIONS**

The results of this study indicate that applying modern technologies in professional creative examinations significantly enhances the effectiveness and objectivity of the process. Technologies such as biometric devices, virtual reality, and artificial intelligence not only make the results more accurate but also speed up the examination process.

#### **CONCLUSION:**

Effectiveness of modern technologies: Biometric devices, virtual reality, and artificial intelligence systems enable more transparent, efficient, and accurate conduct of physical education and sports examinations.

Efficiency of the examination process: The application of technologies enhances the speed of tests and provides convenience for both students and instructors.

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Student and instructor satisfaction: Modern technologies create high levels of satisfaction among students and instructors, which will likely encourage broader adoption in the future.

#### RECOMMENDATIONS:

Wider implementation of technologies: It is necessary to expand the use of modern technologies in physical education and sports examinations. This will make the assessment process more objective and transparent.

Continued research: Further research is required to address challenges in the application of technologies. Specifically, studies should focus on adapting these technologies to individual student needs.

Updating educational programs: New educational programs based on technology should be developed, and physical education instructors should receive continuous professional development to enhance their skills in using these technologies.

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