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THE IMPACT OF TECHNOLOGY ON MODERN EDUCATION

Khalilova Shokhista Mukhammadi qizi

Teacher, Navoiy Innovation University, Surkhandarya Campus

+998900471828

E-mail: khalilovashokhista@gmail.com

Kenjayeva Umida Mamarasul qizi

Student, Navoiy Innovation University, Surkhandarya Campus

+998919076995

E-mail: kenjaevaumida514@gmail.com

Annotatsiya (O'zbek)

Ushbu tezis zamonaviy ta'lim tizimida texnologiyalarning o'рни va ta'sirini ilmiy jihatdan tahlil qiladi. Tadqiqot davomida raqamli texnologiyalar, sun'iy intellekt, masofaviy ta'lim platformalari hamda interaktiv metodlarning ta'lim samaradorligiga ta'siri o'rganilgan. Shuningdek, texnologiyalarning pedagogik ahamiyati ham yoritilgan.

Kalit so'zlar: zamonaviy ta'lim, raqamli texnologiyalar, sun'iy intellekt, interaktiv metodlar, masofaviy ta'lim.

Аннотация (Русский)

В данной тезисе анализируется влияние технологий на современную систему образования. Исследуются цифровые технологии, искусственный интеллект, платформы дистанционного обучения и интерактивные методы обучения.

Ключевые слова: современное образование, цифровые технологии, искусственный интеллект, дистанционное обучение.

Abstract (English)

This thesis analyzes the impact of technology on modern education from scientific and pedagogical perspectives. The research investigates the role of digital technologies, artificial intelligence, and interactive teaching methods in improving educational quality.

Keywords: modern education, digital technologies, artificial intelligence, distance learning, pedagogical innovations.

Introduction

In the twenty-first century, technology has become an inseparable part of modern education. Educational institutions increasingly integrate digital tools into

teaching and learning processes [1]. Technology improves access to information, enhances communication, and supports learner autonomy.

Analysis

The integration of technology into education has significantly transformed pedagogical methodologies. Online platforms such as Moodle, Google Classroom, and Zoom create flexible learning environments [2]. During the COVID-19 pandemic, distance learning became an essential educational strategy worldwide [3].

From a pedagogical perspective, technology encourages independent learning and critical thinking. Multimedia tools improve student engagement and help learners better understand academic content [4]. Comparative studies indicate that technologically advanced education systems demonstrate higher academic effectiveness than traditional methods [5].

However, excessive dependence on technology may negatively influence face-to-face communication and academic discipline. Therefore, technology should complement rather than replace traditional educational values [6].

Conclusion

In conclusion, technology plays a crucial role in modern education and contributes to educational accessibility, flexibility, and innovation. The research demonstrates that digital technologies enhance communicative competence, critical thinking, and learner motivation.

The practical significance of this thesis lies in promoting innovative teaching approaches and improving educational quality in higher education institutions.

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