

CHATGPT BETWEEN OPPORTUNITIES AND CHALLENGES: AN EMPIRICAL STUDY IN BUKHARA INNOVATIVE EDUCATION AND MEDICAL UNIVERSITY

Bakhtiyorova Durdona Ikhtiyorovna

Assistant at Bukhara innovative education and medical university

ixtiyorovnadurdona@gmail.com

+998931370101

<https://doi.org/10.5281/zenodo.14709483>

Annotation: Purpose This study explores users' perspectives on the opportunities, challenges, and impacts associated with artificial intelligence technologies like ChatGPT. Specifically, it aims to understand users' perceptions of the connection between ChatGPT and sustainability, as well as their views on how companies can contribute to achieving overall well-being.

Key words: Artificial Intelligence (AI), ChatGPT, Sustainability, Opportunities, Challenges, Impacts, User Perspectives, Technology, Well-being, Companies, Privacy, Reliability, Human Interaction, Consumer Interviews, Digital Tools, Data Privacy, Empathy in AI, Technology and Society, Corporate Responsibility, Social Implications.

CHATGPT: МЕЖДУ ВОЗМОЖНОСТЯМИ И ПРОБЛЕМАМИ ПРАКТИЧЕСКОЕ ИССЛЕДОВАНИЕ В БУХАРСКОМ ИННОВАЦИОННОМ УНИВЕРСИТЕТЕ ОБРАЗОВАНИЯ И МЕДИЦИНЫ

Аннотация: Цель исследования — анализ взглядов пользователей на возможности, вызовы и последствия, связанные с использованием технологий искусственного интеллекта, таких как ChatGPT. Основное внимание уделяется изучению восприятия связи между ChatGPT и устойчивым развитием, а также оценке мнений пользователей относительно того, каким образом области использования могут способствовать достижению общего благополучия.

Ключевые слова: Искусственный интеллект (ИИ), ChatGPT, Устойчивое развитие, Возможности, Проблемы, Влияния, Взгляды пользователей, Технологии, Благополучие, Компании, Конфиденциальность, Надежность, Человеческое взаимодействие, Потребительские интервью, Цифровые инструменты, Защита данных, Эмпатия в ИИ, Технологии и общество, Корпоративная ответственность, Социальные последствия.

CHATGPT: IMKONIYATLAR VA QIYINCHILIKLAR O'RTASIDA: BUXORO INNOVATSION TA'LIM VA TIBBIYOT UNIVERSITETIDA O'TKAZILGAN AMALIY TADQIQOT

Annotatsiya: Ushbu tadqiqotning maqsadi ChatGPT kabi sun'iy intellekt texnologiyalariga taalluqli imkoniyatlar, qiyinchiliklar va oqibatlar haqida foydalanuvchilarning nuqtai nazarini o'rganadi. Xususan, tadqiqotning maqsadi ChatGPT va barqarorlik o'rtasidagi munosabatlar haqidagi foydalanuvchilarning tasavvurlarini hamda foydalanuvchi sohalarning farovonlikka erishish uchun qanday hissa qo'sha olishi haqidagi qarashlarini aniqlashdir.

Kalit so'zlar: Sun'iy intellekt (SI), ChatGPT, Barqarorlik, Imkoniyatlar, Qiyinchiliklar, Oqibatlar, Foydalanuvchi nuqtai nazari, Texnologiya, Farovonlik, Kompaniyalar, Maxfiylik, Ishonchlilik, Insoniy muloqot, Iste'molchi intervyulari, Raqamli vositalar, Ma'lumotlarni

maxfiylikda saqlash, Sun'iy intellektidagi hamdardlik, Texnologiya va jamiyat, Korporativ mas'uliyat, Ijtimoiy oqibatlar.

Introduction: To achieve the research objectives, an exploratory and inductive design was adopted. The study employed a qualitative approach and involved 34 in-depth interviews with students from Bukhara innovative education and medical university who use ChatGPT. Respondents consider ChatGPT to be an effective tool that simplifies tasks, saves time, and minimizes human errors. However, several risks have been noted, including concerns about the accuracy of the information provided, the necessity of safeguarding privacy when managing personal data, and the absence of empathy and human interaction in its use. Artificial intelligence (AI) has had a profound effect on organizations, society, and individuals. AI tools enable systematic reasoning based on input and learning from variations in predicted outcomes, such as anticipating and adjusting to shifts in the system's environment and the data it receives from its surroundings. AI plays a vital role in the ongoing digital transformation of society. Various aspects of our daily lives will continue to experience significant changes due to AI's capability to automate tasks, process large volumes of data, and provide predictive insights. The survey conducted shows that interest in ChatGPT, the AI chatbot, is steadily increasing, with new users emerging daily. According to the survey conducted by Durdona Ikhtiyorovna Baxtiyorova, an assistant at the Department of General Education at Bukhara Innovative Education and Medical University, almost all students from various faculties use this tool almost every day. However, students from the Faculty of Foreign Languages stand out in this regard. According to the survey, 100% of the students from the Faculty of Foreign Languages use this tool daily. The survey primarily involved students aged between 16 and 24. This technology has a profound impact on both science and society. AI is an effective tool for identifying and measuring social challenges, optimizing resources, and reducing waste. This application is beneficial in various fields, such as healthcare, where AI aids in early disease detection and monitoring patient care, as well as in agriculture, where it helps optimize resource use, prevent overproduction, and reduce waste. However, the use of AI can also have negative consequences, such as the significant energy consumption required to operate the computational resources that power these tools.

Conclusion:

In conclusion, the device presents vast and limitless opportunities to enhance and enrich human life, offering numerous benefits that can positively impact various aspects of society, education, and even the economy. It can serve as a powerful tool for learning, creativity, and productivity, helping individuals streamline their tasks and make more informed decisions. However, alongside these remarkable advantages, it is important to acknowledge that the device also comes with undeniable negative aspects and consequences. These may include the potential for over-reliance on technology, the spread of misinformation, privacy concerns, and the reduction of face-to-face human interaction. Such issues, if left unchecked, could have lasting implications on both individuals and society at large.

That being said, the key to mitigating these risks lies in the responsible and mindful use of this technology. If this device is used wisely, within reasonable limits, and with proper understanding, it can contribute positively to our lives without causing harm. It is crucial to

ensure that users are educated about its potential drawbacks and how to navigate its features responsibly.

Considering that the majority of ChatGPT users are young people, including school students and university students, the role of educators is essential in fostering responsible usage. Teachers, professors, and other educational staff should actively guide students and provide them with the tools and knowledge to use this technology in a balanced and ethical way. This could involve discussions on the importance of critical thinking, digital literacy, and ethical behavior when engaging with AI tools.

References:

1. O'zbekiston Respublikasi Prezidentining "Raqamli ta'limni rivojlantirish konsepsiyasi" to'g'risidagi Farmoni. 2023-yil.
2. Ahmedov, B. & Karimov, S. (2023). "Zamonaviy ta'limda sun'iy intellekt tizimlari". Toshkent: Fan va texnologiya.
3. Johnson, M. & Smith, P. (2023). "Artificial Intelligence in Language Education". Educational Technology Review, 18(4), 156-170.
3. Communication culture skills of primary students in English language classes, Qo'ldosheva Nigoraxon Avezmurodovna, Spectrum Journal of Innovation, Reforms and Development Volume 28, June - 2024 ISSN (E): 2751-1731. Website: www.sjird.journalspark.org
4. The methodological principles for developing environmental education in the republic of Uzbekistan Nargiza Dilova*, Manzura Kosimova, Vazira Raxmanova¹, Maftuna Hotamova, and Nigora Kuldosheva, E3S Web of Conferences 538, 05001, (2024) <https://doi.org/10.1051/e3sconf/202453805001>
5. Alexandra Constantin, Camelia Staiculs, Chilianu Lulian Petrisor. (2023). Digital Learning Management for Adolescents, 24(3):404