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Inna BORKOVSKA,
orcid.org/0000-0001-5035-7866
Candidate of Philological Sciences, Associate Professor,
Associate Professor at the Department of English for Humanities
National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"
(Kyiv, Ukraine) Borkovskaya@meta.ua

Svitlana VOLKOVA,
orcid.org/0000-0002-2405-1561
Senior Lecturer at the Department of English for Humanities
National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"
(Kyiv, Ukraine) svitlanavolkova25051977@gmail.com

Inna ANTONENKO,
orcid.org/0000-0001-6238-9937
Candidate of Pedagogical Sciences,
Associate Professor at the Department of English for Humanities
National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"
(Kyiv, Ukraine) discussion17@ukr.net

POTENTIAL AND CHALLENGES OF INTEGRATING ARTIFICIAL INTELLIGENCE INTO ENGLISH LANGUAGE TEACHING FOR LAW STUDENTS

The article investigates the impact of artificial intelligence, in particular ChatGPT, on the process of teaching English to law students at universities. The possibilities of using ChatGPT to improve students' language skills, such as understanding legal terminology, developing critical thinking, argumentation, writing and communication, have been considered. Examples of integration of ChatGPT into the structure of classes, in particular at the stages of 'warming up,' reading and writing, have been analysed, and its role as a virtual tutor has been outlined. The aim of the study is to identify effective ways to integrate ChatGPT into the teaching of English to law students, to develop recommendations for teachers and students on its optimal use, and to find ways to overcome potential challenges.

Particular attention has been paid to the advantages of using ChatGPT, such as individualised learning, access to a large amount of information and feedback. The authors have described the methods by which ChatGPT can facilitate the creation of simulations of legal discussions, simulated court hearings and legal writing. At the same time, the risks have explored, including the generation of false information, the possibility of student abuse, and challenges to academic integrity.

The article has offered recommendations for teachers on the effective use of ChatGPT in the educational process, including the creation of tasks that promote creativity and critical thinking, as well as methods for detecting cases of plagiarism.

The article has focused on writing an argumentative essay using ChatGPT as a support tool that allows students to go through all the stages of creating an essay: from brainstorming and researching a topic to editing the final text. ChatGPT promotes the development of precise questioning skills, critical thinking and analytical abilities, helping students to create structured and reasoned essays. The authors have emphasised that the integration of ChatGPT promotes innovation in the learning of English by law students, but requires appropriate training for both students and teachers to overcome possible challenges.

Key words: *artificial intelligence, law student, GPT chat, legal English, critical thinking.*

Інна БОРКОВСЬКА,
orcid.org/0000-0001-5035-7866
кандидат філологічних наук,
доцент кафедри англійської мови гуманітарного спрямування № 3
Національного технічного університету України «Київський політехнічний інститут»
(Київ, Україна) Borkovskaya@meta.ua

Світлана ВОЛКОВА,
orcid.org/0000-0002-2405-1561
старший викладач кафедри англійської мови гуманітарного спрямування № 3
Національного технічного університету України
«Київський політехнічний інститут імені Ігоря Сікорського»
(Київ, Україна) svitlanavolkova25051977@gmail.com

Інна АНТОНЕНКО,
orcid.org/0000-0001-6238-9937
кандидат педагогічних наук,
доцент кафедри англійської мови гуманітарного спрямування № 3
Національного технічного університету України
«Київський політехнічний інститут імені Ігоря Сікорського»
(Київ, Україна) discussion17@ukr.net

МОЖЛИВОСТІ ТА ВИКЛИКИ ІНТЕГРАЦІЇ ШТУЧНОГО ІНТЕЛЕКТУ У ВИКЛАДАННЯ АНГЛІЙСЬКОЇ МОВИ ДЛЯ СТУДЕНТІВ-ЮРИСТІВ

У статті досліджується вплив штучного інтелекту, зокрема ChatGPT, на процес викладання англійської мови студентам-юристам в університетах. Розглянуто можливості використання ChatGPT для покращення мовних навичок студентів, таких як розуміння юридичної термінології, розвиток критичного мислення, аргументації, письма та комунікації. Проаналізовано приклади інтеграції ChatGPT у структуру заняття з англійської мови, зокрема на етапах «warming up,» читання і письма, а також окреслено його роль як віртуального наставника. Мета дослідження полягала у визначенні ефективних способів інтеграції ChatGPT у навчання англійської мови студентів-юристів, розробці рекомендацій для викладачів і студентів щодо його оптимального використання, а також пошуку шляхів подолання потенційних викликів.

Особливу увагу приділено перевагам використання ChatGPT, як-от індивідуалізація навчання, доступ до великого обсягу інформації та зворотного зв'язку. Описано методи, за допомогою яких ChatGPT може сприяти створенню дискусій на правову тематику, моделюванню судових засідань та написанню есе. Водночас досліджуються ризики, зокрема генерування неправдивої інформації, можливість зловживання студентами й виклики академічної доброчесності.

У статті запропоновано рекомендації для викладачів щодо ефективного використання ChatGPT у навчальному процесі, зокрема створення завдань, які сприяють творчості та критичному мисленню, а також методи виявлення випадків плагіату.

Зосереджено увагу на написанні аргументативного есе із використанням ChatGPT як інструмента підтримки, що дозволяє студентам проходити всі етапи створення есе: від мозкового штурму та дослідження теми до редагування фінального тексту. ChatGPT сприяє розвитку навичок формулювання точних запитів, критичного мислення та аналітичних здібностей, допомагаючи студентам створювати структуровані й аргументовані роботи. Автори підкреслюють, що інтеграція ChatGPT сприяє інноваціям у вивченні англійської мови студентами-юристами, проте потребує відповідного навчання як студентів, так і викладачів для подолання можливих викликів.

Ключові слова: *штучний інтелект, студент-юрист, чат GPT, юридична англійська мова, критичне мислення.*

Statement of the Problem. Artificial intelligence is becoming an integral part of the educational process, revolutionising traditional teaching methods. The constant increase in the number of students, staff costs, advanced data analysis, accessibility for students with special needs make the use of artificial intelligence in education very attractive. Its impact is opening up new opportunities for both students and teachers, creating innovative pathways in education, such as individualised learning with a robot teacher in blended learning or fully online courses (Popenici & Kerr, 2017: 8–9).

Artificial intelligence, lacking consciousness and emotions, is different from the intelligence displayed by humans. Nevertheless, artificial intelligence itself is able to solve problems, answer questions, and perform various other functions that require a certain level of intelligence that is typical of humans. In view of the above, we can conclude that artificial intelligence has the ability to change every sphere of society, including the education sector. Education is at the forefront of social progress, making it one of the key pillars of development. It is closely linked to all spheres of life and has a significant impact on them, and ultimately, it is becoming integral to all segments of society (Ahmad et al., 2021: 1).

The use of artificial intelligence in the learning process can improve the effectiveness of English language learning significantly, making it more interactive and focused on the individual needs of

students. Moreover, AI contributes to the actualisation of modern forms of independent learning and the development of self-education skills (Panukhnyk, 2023: 204).

AI-powered chatbots and virtual assistants can communicate with students in English, providing real-time language practice. AI-powered language simulators can provide students with pronunciation, listening, and speaking exercises to help them improve their language skills in an interactive way.

Therefore, the chosen research topic is relevant and important, as artificial intelligence is being actively implemented in the educational process, in particular in English language learning. Despite the fact that many scholars have already studied the impact of AI, this technology, remains insufficiently studied and requires further in-depth research, in particular in the context of English language learning in higher education.

Research analysis. A review of current research shows that scholars pay considerable attention to the impact of artificial intelligence on the educational process in higher education. In particular, the works of Moskaliuk M., Kolesnikov A. and Karapetyan O. consider both positive and negative aspects of the use of artificial intelligence, as well as potential risks associated with it. Panukhnyk O., Berdo R., Rassiun V., and Velychko V. study the impact of artificial intelligence on the organisation of the educational process and research activities of students. Lukashova T. and Drushlyak M. analyse the possibilities of artificial intelligence for the development of critical thinking. At the same time, Guilherme A. focuses on the problem of weakening ties and reducing the level of interaction between teachers, students and their peers in the context of the growing technologisation of education.

The purpose and main tasks of the research. The purpose of the article is to study the implementation and impact of artificial intelligence, in particular ChatGPT, on the process of teaching English to law students in higher education institutions.

The tasks of the work include:

– to analyse the possibilities of using ChatGPT for learning legal English, in particular for understanding and analysing the Legalese legal topic;

– to investigate how the integration of ChatGPT into the educational process contributes to the development of critical thinking, writing, argumentation and communication skills among law students;

– to develop examples of innovative methods of teaching English using ChatGPT for law students;

– to identify the potential benefits and risks of using ChatGPT in the educational process, in particular with regard to academic integrity.

Presentation of the main research material. A modern English language class is an interactive, innovative and engaging process that uses advanced methods and technologies to achieve the best learning outcomes. It is aimed at developing language skills and communication in the modern world, where adaptation to new conditions and the use of technology are important. One of these tools is GPT Chat, an intelligent assistant that can significantly improve the learning process. Its use in English classes helps students develop their writing skills, enrich their vocabulary, improve their grammar, and interact with a model to train their speech. Let us model a classroom at a higher education institution where GPT chat is integrated among the proposed technologies, which promotes active and creative student engagement in learning.

Examine the topic "LEGALESE" which is studied by 5th year law students, and analyse the most common structural parts of a practical lesson – warming up, reading, writing, as well as the actions of teachers and students at each stage.

The first stage is introduction. The topic "LEGALESE" is introduced through a short video that outlines the basic concepts. This is followed by a discussion. After watching the video, students work in pairs to answer a few questions designed to check their understanding of the material. During the introduction, teachers should also prepare questions to give a deeper introduction to the topic, such as: What is meant by the term «plain language»? How does your mother tongue compare to English? What are your thoughts on languages that are slowly disappearing? Should disappearing languages be preserved? Why or why not? If you could learn any three languages, which would you choose and why? How do you think the world would be different if everyone spoke a single language? What are the key differences between everyday language and legal language?

At this point, it is worth using ChatGPT. After trying to answer on their own, students can ask ChatGPT about the benefits of plain language in a legal context. ChatGPT can also help students analyse their mother tongue by providing comparisons with other languages and examples of differences between their language and English. The diversity and importance of language preservation, linguistic potential social, economic and cultural changes, the specifics of legal language and its differences from everyday language – ChatGPT can provide information on all of these.

The second stage of the lesson involves reading the main text on Legalese, which consists of two tasks: the first task requires students to read the first paragraph and determine whether certain statements are correct or incorrect, providing explanations. The second task involves answering multiple-choice questions. The chat can also serve as a reading assistant, helping to explain any difficult vocabulary or phrases from the text.

After completing the second task in pairs without AI technology support, students can use ChatGPT to compare their answers and justifications. They can enter their thoughts and receive feedback or alternative points of view from ChatGPT.

For example, working in pairs, they might ask, "We think the answer to question 1 is 'a.' What do you think?" ChatGPT can provide feedback and additional context. Students can practice justifying their answers using ChatGPT, improving their reasoning and critical thinking skills. They can enter their justifications and receive suggestions on how to strengthen them. For example, they can ask, "We believe the answer to question 2 is 'b' because jargon creates a mystery about a profession. Is this a strong justification?"

In summary, using ChatGPT in this assignment can improve students' comprehension and analytical skills by providing vocabulary explanations, supporting comprehension, suggesting ideas for answering multiple-choice questions, facilitating discussion, and helping with justification and verification. This approach encourages interactive and collaborative learning, using the power of artificial intelligence to support and enrich the learning experience.

The third stage of the lesson involves writing an argumentative essay on the topic "What the future holds for legalese". It is worth noting that the existence of ChatGPT requires the transformation of such tasks: traditional descriptive essays should be replaced with more creative ones that develop critical thinking. At the same time, it is important to remember that students' work with ChatGPT depends on the accuracy of the formulation of queries, hints and clarifications, which contributes to the development of analytical skills (Lukashova & Drushlyak, 2023).

Let us look at the functions of ChatGPT when writing this essay:

1. Brainstorming and Research: students can use ChatGPT to gather ideas and information about legalese. They can ask questions such as, "What is legalese?" or "What are the common advantages and disadvantages of using legalese?" This will help them build a solid foundation for their essay.

2. Creating an essay outline: students can enter their thesis statement for the outline and ChatGPT will correct the main points.

3. Writing an introduction: students can draft an introduction and then refine it with ChatGPT. They can ask for feedback or suggestions to make the introduction more engaging and informative.

4. Developing arguments: for each argument, students can use ChatGPT to expand their thoughts, find supporting evidence, and make sure their reasoning is correct.

5. Editing and revision: after writing the essay, students can use ChatGPT to check and edit their work. They can ask for feedback on grammar, coherence and overall structure.

As you can see, using ChatGPT in writing an argumentative essay can provide students with valuable support at every stage of the writing process, from brainstorming and creating an outline to refining arguments and final editing. This approach not only improves understanding of the topic, but also improves writing and critical thinking skills.

The use of ChatGPT raises a number of concerns, including the generation of false information and the possibility of its misuse in the learning process. To mitigate these risks, it is important to educate students about the proper use of ChatGPT, its limitations, and its impact on academic integrity (Lo, C. K., 2023).

At the same time, the involvement of artificial intelligence in the educational process encourages teachers to learn how to present educational material in a new way (Moskaliuk, Moskaliuk, & Len, 2023). Educational institutions should focus their efforts on training teachers who understand the ethical aspects of AI and are able to overcome the challenges involved. In addition, the negative consequences of AI use include a diminished role of the teacher, weakening of personal contact with students, limiting the development of critical thinking and creativity due to a focus on test results, and increasing socioeconomic inequality due to unequal access to technology (Berdo, Rasiun, & Velychko, 2023). As a result, the development of artificial intelligence requires a balance between its capabilities and risks, including ethical and social ones, which requires clear regulation and control (Kolesnikov & Karapetian, 2023).

Conclusions. Artificial intelligence, in particular ChatGPT, is playing an increasingly important role in English language teaching, particularly for law students. Its integration into the learning process opens up opportunities for developing speaking skills, enriching professional vocabulary, and improving writing, critical thinking, and argumentation skills. The use of ChatGPT provides

access to modern tools for analysing complex legal terminology and provides support in writing various legal assignments. Future scientific research will involve modelling classes for different specialities and levels of English language proficiency with the integration of ChatGPT.

BIBLIOGRAPHY

1. Бердо Р. С., Расюн В. Л., Величко В. А. Штучний інтелект та його вплив на етичні аспекти наукових досліджень в українських закладах освіти. Академічні візії. 2023. Вип. 22. URL: https://academy-vision.org/index.php/av/article/view/469.

2. Колесніков А., Карапетян О. Штучний інтелект: переваги та загрози використання. Ефективна економіка. 2023. № 8. URL: https://www.nayka.com.ua/index.php/ee/article/view/1991.

3. Лукашова Т., Друшляк М. Штучний інтелект як засіб розвитку критичного мислення майбутніх учителів математики. Фізико-математична освіта. 2023. Т. 38. № 5. С. 18–25. https://doi.org/10.31110/2413-1571-2023-038-5-003.

4. Москалюк М. М., Москалюк Н. В., Лень А. В. Штучний інтелект в закладах вищої освіти: переваги та недоліки. Електронне наукове фахове видання "Відкрите освітнє е-середовище сучасного університету". 2023. Вип. 15. С. 85–96. https://doi.org/10.28925/2414-0325.2023.157.

5. Панухник О. В. Штучний інтелект в освітньому процесі та наукових дослідженнях здобувачів вищої освіти: відповідальні межі вмісту ШІ. Галицький економічний вісник. Т. : ТНТУ, 2023. Том 83. № 4. С. 202–211.

6. Ahmad S. F., Rahmat M. K., Mubarik M. S., Alam M. M., Hyder S. I. Artificial Intelligence and Its Role in Education. Sustainability. 2021. Vol. 13. № 22. P. 12902. https://doi.org/10.3390/su132212902.

7. Guilherme A. AI and education: the importance of teacher and student relations. AI & society. 2019. Vol. 34. P. 47–54.

8. Lo C. K. What is the impact of ChatGPT on education? A rapid review of the literature. Education Sciences. 2023. Vol. 13. № 4. P. 410.

9. Popenici S. A., Kerr S. Exploring the impact of artificial intelligence on teaching and learning in higher education. Research and Practice in Technology Enhanced Learning. 2017. Vol. 12. № 1. P. 1–13.

REFERENCES

1. Berdo, R. S., Rasiun, V. L., & Velychko, V. A. (2023). Shtuchnyy intelekt ta yoho vplyv na etychni aspekty naukovykh doslidzhen v ukrayinskykh zakladakh osvity [Artificial intelligence and its impact on ethical aspects of scientific research in Ukrainian educational institutions]. *Akademichni vizii,* 22. Retrieved from https://academy-vision.org/index.php/av/article/view/469 [in Ukrainian].

2. Kolesnikov, A., & Karapetian, O. (2023). Shtuchnyy intelekt: perevahy ta zahrozy vykorystannya [Artificial intelligence: advantages and threats of use]. *Efektyvna ekonomika,* 8. Retrieved from https://www.nayka.com.ua/index.php/ee/article/view/1991 [in Ukrainian].

3. Lukashova, T., & Drushliak, M. (2023). Shtuchnyy intelekt yak zasib rozvytku krytychnoho myslennya maybutnikh uchyteliv matematyky [Artificial intelligence as a tool for developing critical thinking of future mathematics teachers]. *Fiziko-matematychna osvita*, 38(5), 18–25. https://doi.org/10.31110/2413-1571-2023-038-5-003 [in Ukrainian].

4. Moskaliuk, M. M., Moskaliuk, N. V., & Len, A. V. (2023). Shtuchnyy intelekt v zakladakh vyshchoyi osvity: perevahy ta nedoliky [Artificial intelligence in higher education institutions: advantages and disadvantages]. *Elektronne naukove fakhove vydannia "Vidkryte osvitnie e-seredovyshche suchasnoho universytetu*", 15, 85–96. https://doi.org/10.28925/2414-0325.2023.157 [in Ukrainian].

5. Panukhnyk, O. V. (2023). Shtuchnyy intelekt v osvitnomu protsesi ta naukovykh doslidzhen zdobuvachiv vyshchoyi osvity: vidpovidalni mezhi vmistu ShI [Artificial intelligence in the educational process and scientific research of higher education seekers: responsible boundaries of AI content]. *Halytskyi ekonomichnyi visnyk,* 83(4), 202–211 [in Ukrainian].

6. Ahmad, S. F., Rahmat, M. K., Mubarik, M. S., Alam, M. M., & Hyder, S. I. (2021). *Artificial intelligence and its role in education*. *Sustainability, 13*(22), 12902. https://doi.org/10.3390/su132212902.

7. Guilherme, A. (2019). AI and education: the importance of teacher and student relations. *AI & society, 34*, 47–54.

8. Lo, C. K. (2023). What is the impact of ChatGPT on education? A rapid review of the literature. *Education Sciences, 13*(4), 410.

9. Popenici, S. A., & Kerr, S. (2017). Exploring the impact of artificial intelligence on teaching and learning in higher education. *Research and Practice in Technology Enhanced Learning, 12*(1), 1–13.