The disadvantages of ChatGPT

The use of Artificial intelligence (AI) language models, such as ChatGPT, can lead to a lack of academic integrity due to their tendency to provide inaccurate information and biased responses. Artificial intelligence language (AI) models, such as ChatGPT, the arguments given for using AI in design and publication do not raise issues with plagiarism (Memarian & Doleck, 2023) and are based on huge databases that could be biased be or inaccurate, producing inaccurate or misleading results. However, without human supervision and critical analysis, students can unintentionally include this inaccurate material in their academic work, impacting the integrity and accuracy of it. For an example, the students are researching the background of a particular scientific hypothesis via ChatGPT. Should the AI's answer rely on out-of-date or refuted material found in its training set, the student can inadvertently include this false information in their research paper, which would result in the spread of false knowledge among academics. It is because the responses that ChatGPT generates are determined by patterns found in the training data, which may include pre-existing misconceptions or societal biases. Thus, the information offered by ChatGPT might be biased, supporting biases, or spreading misleading stories in scholarly discourse, which would be detrimental to the goal of impartial and objective knowledge. A student writes an essay on gender stereotypes in the media and uses ChatGPT to generate answers. ChatGPT may unintentionally propagate preconceptions or false beliefs about gender roles if biases in its training data impact its responses. Therefore, this could lead to the spread of biased material in scholarly debate. In summary, it's important to be cautious when using AI tools like ChatGPT in academics, while they can be helpful, their potential for mistakes and biases means we need to use them carefully, with human oversight and to make sure our work is accurate and fair.

Academic integrity is being challenged using the ChatGPT in academic settings, since content creation through the technology carries the danger of violating originality requirements. Students who use ChatGPT to complete their assignments may promote cheating and plagiarism because it frequently provides a single truth without providing enough support (Cooper, 2023). Pupils expressed a desire to plagiarise, underscoring the importance of encouraging academic integrity, a robust work ethic, and a dedication to learning (Ventayen, 2023). One of the assignments given to students is to write an essay about what led to World War II. Rather than carrying out independent investigation and combining data from reliable sources, they choose to utilise ChatGPT to produce the full article. In addition, without checking the veracity or accuracy of the material supplied, they merely enter a prompt such as "Causes of World War II" and utilise the output as their own work. Usually, brainstorming entails analysing concepts critically and honing them via repetition and discussion. Students that use ChatGPT may be less able to brainstorm and engage in critical thinking, which could lead to a lack of extensive concept formulation and exploration. Namely, students are given the assignment to come up with concepts for a scientific project on renewable energy sources. ChatGPT is chosen as the idea generation tool in place of more conventional brainstorming techniques including idea creation exercises and group talks. Thus,to preserve academic integrity, students must prioritise independent thought, in-depth research, ethical behaviours in their academic endeavours and they must utilise ChatGPT that related technologies with caution.

It can be hard to rely on ChatGPT for factual accuracy because the AI's answers can contain errors that could lead to user confusion or inaccurate information. Spreading false information is yet another potential issue with ChatGPT. The accuracy of the data produced by ChatGPT can be significantly impacted by the quality of the sources used, as it is mostly dependent on the input text and data sets (Memarian & Doleck, 2023). The possibility that responses produced by ChatGPT could be deceptive or inaccurate considering the circumstances. When ChatGPT can't fully understand the context of a conversation or decipher the meaning behind a question, it can give answers that aren't precise or pertinent to the user's needs. In particular, the instructor is looking for ways to help ESL students become more proficient speakers, and ChatGPT recommends teaching them juggling to help with hand-eye coordination. However, ChatGPT misunderstands the topic and suggests a different task that isn't relevant to the language learning goals of ESL students. This demonstrates how ChatGPT's lack of contextual knowledge may make instructional recommendations in a TESL (Teaching English as a Second Language) scenario ineffective. Students may be discouraged from thinking critically or working through difficulties on their own by ChatGPT's rapid and simple replies. This can impair their ability to make decisions and interfere with their educational opportunities. When a student asks ChatGPT for assistance with a maths problem, it gives them a straight answer without breaking down the solution or assisting them in solving the problem, which can limit their learning chances. In summary, even though ChatGPT is accessible and convenient, its potential for errors highlights the significance of carefully assessing information and consulting a variety of sources to guarantee factual correctness in understanding and decision-making.

AI chat bots that have been trained on enormous data sets may unintentionally reinforce biases by producing unjust responses that might worsen discrimination and foster unhealthy environments. AI chat bots that give biased answers have the potential to propagate false information and distorted viewpoints, affecting people's opinions and choices by providing them with biased or erroneous data. In response to a user who asked ChatGPT for career advice, the platform implied that because of their ethnicity, they would be good at manual labour or positions in the service sector, which would limit their options and reinforce prejudices. The prevalence of prejudiced responses in AI chatbots can promote a culture where bias and stereotypes are tolerated or reinforced, leading to the normalisation of discriminatory attitudes and behaviours. The user: "What are some common health issues?" ChatGPT's response: "People from lower-income neighborhoods often struggle with obesity and diabetes due to their poor diet and lack of exercise." In this case, ChatGPT's response links socioeconomic status and health problems, perpetuating negative prejudices about people from lower-class backgrounds and ignoring the complex causes that lead to health disparities. In a nutshell even though AI chatbots provide useful support and convenience, the possibility that they will reinforce prejudices emphasises the urgent need for continual assessment, observation, and improvement to reduce the risks of discrimination and the development of unhealthy environments in digital interactions.

Although ChatGPT has numerous benefits, there are some significant disadvantages as well and those can lead to a number of problems, such as the creation of misleading or erroneous information and the risk it poses to academic legitimacy (Gill et al., 2024). ChatGPT's inability to produce correct or deceptive information due to its reliance on pre-existing datasets instead of real-time knowledge

updates is one of its main drawbacks. 1:The allegation made by ChatGPT in response to a user who inquired about COVID-19 symptoms that it was a government hoax disseminates harmful disinformation, which could cause users to disobey public health recommendations and put themselves and others in danger. Furthermore, ChatGPT's responses may unintentionally reinforce biases found in its training set, which could intensify discrimination against particular groups and reinforce stereotypes. In response to a user seeking career advice, ChatGPT indicates that the user would be well-suited for administrative or caring tasks due to their gender and ethnicity. This reinforces negative stereotypes and limits the possibilities of the individual. In conclusion, ChatGPT provides accessibility and convenience, but its vulnerability to the spread of false information and the reinforcing of prejudices highlights the need for careful consideration and use in order to minimise these serious disadvantages.