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CHATGPT MAY LEAD TO THE DOWNFALL OF EDUCATION AND CRITICAL THINKING

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There is growing concern among educators and experts that the increasing use of AI language models like ChatGPT in the classroom could lead to a lack of critical thinking and independent learning among students. The ease and convenience of generating text with the help of AI may discourage students from developing their own ideas and conducting independent research, leading to a lack of creativity and originality in their work. This concern is particularly relevant in subjects that require critical thinking and analysis, such as literature, history, and philosophy. In these fields, students must learn to engage with complex ideas and perspectives, and to develop their own arguments and interpretations based on evidence and analysis. Relying too heavily on AI language models could potentially undermine these skills and lead to a lack of intellectual curiosity and independent thinking. Moreover, the use of AI language models may raise ethical concerns around academic integrity and plagiarism. While some may argue that using AI to generate text is not technically plagiarism, it is still important for students to learn how to properly cite sources and give credit to others for their ideas.

Some of the ways ChatGPT can be employed to improve learning and teaching practices include:

Automated Essay Grading: Accumulating evidence suggests that educators can use ChatGPT to automate the grading process of essays, articles, and other forms of written coursework, leaving more time for different aspects of teaching. Some studies have found that deep-learning models could grade students' essays with great accuracy and provide feedback resembling the one produced by human graders. Therefore, educators can utilise the reports generated by such models to discern the strengths and weaknesses in students' writing and attend to the areas where students face difficulties. This might allow teachers to target interventions more effectively.

Creating Learning Assessment: ChatGPT could assist academic staff and teachers in designing assessments (e.g., quizzes or open-ended prompts) that align with the lesson's learning objectives and success criteria. Since creating quizzes, monthly tests, and examinations is time-consuming, ChatGPT could reduce educators' workload and improve the quality of questions by using a standard framework.

Personalised Tutoring: Evidence suggests that ChatGPT has the potential to serve as a personal tutor to students. The model generated feedback tailored to students' mistakes. ChatGPT has the potential to help students with their homework, assignments, projects

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and even math problems, enabling them to become more autonomous and self-directed learners. As ChatGPT can generate outlines for articles and other forms of writing, students can use it to help them organise ideas for their research and writing.

Interactive Learning: With the assistance of ChatGPT, teachers can design and integrate interactive classroom activities to enhance their pedagogical practices. For example, ChatGPT can create visual aids, such as presentations and worksheets, lesson plans and other educational resources. This can encourage teachers to deliver more dynamic and captivating lessons to meet students' learning needs. Educators could utilise ChatGPT's features to adopt a flipped classroom approach and design creative teaching techniques. This would enable students to study in the classroom and remotely, empowering them to become independent learners.

Despite the numerous advantages of ChatGPT, there are some concerns about its use in educational settings:

Academic integrity issues: Utilising ChatGPT can pose a challenge to academic integrity and credibility. If students fail to cite the use of ChatGPT or the sources in their assignments, this could lead to academic misconduct. Recent studies found that sophisticated AI tools can bypass traditional plagiarism software like Turnitin. This might encourage students to submit the content produced by ChatGPT as their own. In fact, students who have used ChatGPT for their assignments are more likely to plagiarise than those who have not used the tool.

Masking learning deficiencies: Some researchers argue that using ChatGPT for educational purposes can hinder educators' abilities to evaluate student performance accurately. Educators might struggle to discern the student's level of understanding of the learning material, resulting in the disguise of learning deficiencies. This can make it more difficult for educators to intervene early on and develop necessary intervention strategies.

While Chat GPT has revolutionized education with its personalized learning experiences and language support, there are legitimate concerns about its potential for plagiarism and cheating. As an AI-powered chatbot, Chat GPT has the ability to generate text based on the input it receives. This raises concerns about students using it to complete assignments or exams without putting in their own effort. Educators must address this issue and ensure students understand the importance of originality and critical thinking.

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