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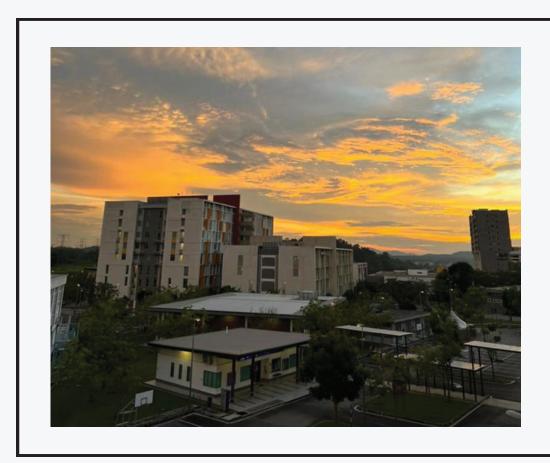
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Future Education:
The benefits and challenges of integrating AI into the education world.

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The rise of Artificial Intelligence (AI) has become a huge debate as its functions are expected to permeate into every aspect of our life. The history of AI dates to the hard science fiction of Isaac Asimov and Arthur C. Clarke in the second half of the nineteenth century, and it continued to be developed in the 1940s until it became a powerful man-made machine capable of thinking, learning, and making decisions on its own (Hassan, 2022). The evolution of AI involves a mixture of fantasies components, possibilities, demonstrations and promises which are finally designed as maps and navigations, facial identification, and recognition, chatbots, text editors and other popular examples of AI. Today, AI has become an integral part of our daily lives and has significantly impacted various industries, including education (Holmes, Bialek & Fadel, 2019).

AI technologies have the potential to improve the quality and efficiency of education through the enhancement of the speed and accuracy of various academic tasks, which beneficials to both, educators, and students. The burden of an educator to provide multiple academic tasks in short period of time can be solved through the application of AI. AI can assist educators with various academic tasks such as grading, plagiarism detection, and content creation. AI-powered content creation tools can also be used to generate educational content, such as lecture notes and study guides, and even create new knowledge by analysing and synthesizing data from multiple sources. This matter is not surprising because AI is matching more than 50% of adult human-proficiency levels and closing in on another 36% (Holmes et al, 2019).

In higher education levels, AI can be used to create personalized learning experiences for students which makes it a very powerful tool in assisting the studies preparation. Students can save their time doing the assignments as they can get instant feedback, data and answers provided by the technology of AI. On top of that, the use of AI in education can provide access to educational resources and learning opportunities in a wider range of students instantly, if they have a connection to any AI-enabled applications.

Nevertheless, relying on this so-called human replacement-based technology invites great caution among academicians. Despite the assistance provided by IA, the authenticity and accuracy of the works are consistently being questioned. For example, ChatGPT, one of the most powerful language-processing AI models, still generates answers that need to be verified by experts due to the discovery of inaccurate

information. Students and educators who continuously use AI applications without proper verification and confirmation are at risk of being exposed to incorrect information. The confusion and inaccurate decisions caused by this deceptive information gives the community a negative perception of the quality of education.

In addition, the emergence of AI era is also seen as a threat to future graduates. The super technology possessed by AI-based machines enhances their capability to be more productive and marketable in industries. Research by the University of Oxford predicts that accountants have a 95% chance of losing their jobs as machines take over the number crunching and data analysis. If there is no advancement in skill and human capital initiative, AI technology machine is sufficient to be hired. Doing repetitive work is more likely to be subject to automation which literally related to machine things.

However, these threats can be transformed into great opportunities if we learn to wisely control the power of AI. From educators' point of view, any information gathered from AI should be verified and confirmed by experts or reliable references before making it accessible to students. On the other hand, students should utilize the facilities and assistance offered by AI ethically and never compromise the effort that they have put into their studies and academic pursuits. Future graduates should start enriching their skills to complete high-value tasks efficiently and make them more competitive. They will be highly marketable through the combination of human and machine-based skills. No matter how smart AI is, human-domain skills can never be replaced. Professions that require high levels of judgement and human creativity such as auditors and lawyers cannot be entirely taken over by AI (Hassan, 2022).

In conclusion, the integration of AI in education offers various benefits and challenges that must be considered carefully. With the right approach and utilization of AI, students can enjoy their learning experiences, but the misuse of AI can lead to detrimental impacts on student well-being and educational outcomes. Therefore, educators, policymakers, and other stakeholders need to work together to address the challenges and opportunities presented by AI in education. By doing so, future generations will receive a high-quality education that prepares them for the demands of a rapidly changing world.

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