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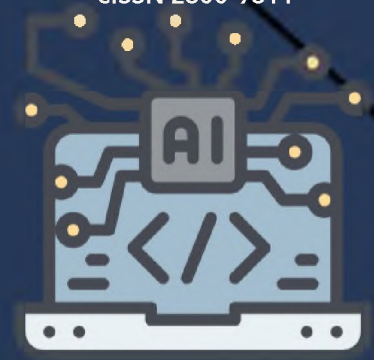
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AI ADOPTION IN ACADEMIA:



ACADEMICIANS' READINESS FOR EDUCATIONAL CHANGE

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The current shift in educational trends requires academicians to adopt Artificial Intelligence (AI) to improve the quality and effectiveness of their teaching. Besides, incorporating AI into teaching and learning process also offers opportunities to make instruction more flexible and responsive to students' evolving needs.

By utilising AI technology, various applications enable academicians to become more effective planners, controllers, guides, motivators, and evaluators. According to Russel et al. (2009), AI refers to computer-based systems capable of performing tasks beyond human ability. The use of AI in education not only has transformed the education system but has also changed how knowledge is shared, learning approaches, cognition, and even the development of civilisation (Kaur, 2021).

AI is also seen as a helpful tool for academicians in managing daily tasks, as it can generate assignments, conduct assessments, and provide grades and feedback automatically. A study by Lin (2022) has found that AI can facilitate personalised learning by analysing skill mastery, offering students the most suitable educational activities and encouraging them to learn at their own pace and ability level to achieve learning goals. The benefits of AI technology are further supported by research from Budi Sulistiyo et al. (2024), which has highlighted that student motivation and engagement increase, contributing to better academic performance.





The rise of digital transformation brings many changes, and the emergence of advanced technologies like AI should be viewed positively academicians. AI is a branch of science and technology that is rapidly evolving, especially in the field of education. The concept of AI refers to the ability of computers and systems to mimic human intelligence in learning, thinking, and decision-making (Normadiah & Rafizah, 2023). AI technology, found in various applications, has significantly changed the way humans think and seek information (Chai et al., 2021). Moreover, the use of AI in education offers numerous benefits for both students and academicians, as it can enhance students' learning comprehension and allow teachers to access a wide range of educational resources tailored to the students' abilities and levels.

Awareness on the use of AI in the teaching and learning process is crucial for spreading awareness about the role of technology in education. Academicians' willingness to adopt AI-based tools is, therefore, an essential, initial step towards successful educational transformation. This is because AI holds great potential to improve the quality of education by enabling academicians to design teaching methods and learning strategies more easily and effectively, tailored to the diverse needs of students (Elisnorazmaliza et al., 2023).

Overall, several factors influence the readiness of academicians to implement AI in the teaching and learning process. Therefore, academicians should be prepared to enhance their knowledge and equip themselves to understand the use of AI in education, ensuring that the teaching and learning process benefits from the wise and effective use of technology.

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