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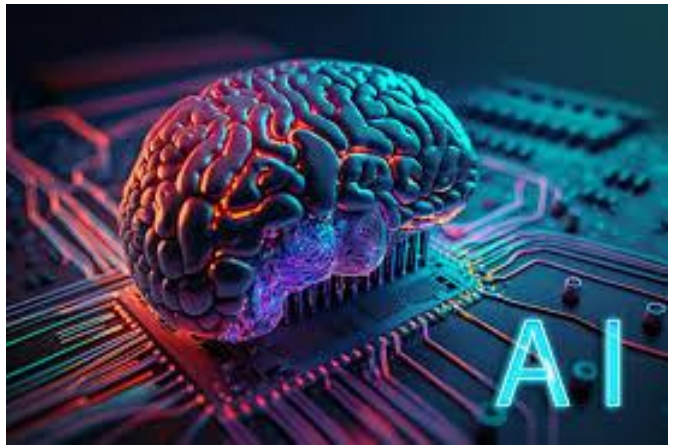
Enabling digital transformation and sustainability via the use of Artificial Intelligence-powered learning tools and mobile assisted learning: Towards inclusive education in business and management schools

Introduction / Description of the Study

- Artificial intelligence (AI) is a general-purpose technology that can perform several activities that were previously only performed by human beings.
- This project used Quizlet as a revising tool to help students enhance their content learning in the domain of Education for Sustainable Development (ESD) in Business Management (BM).
- Vocabulary and acquisition of new terms are undoubtedly linked to the production and comprehension of language.
- The present study examined the perceived impact of using Quizlet as a revision tool.



Research Methods

- Qualitative research design – multiple case study

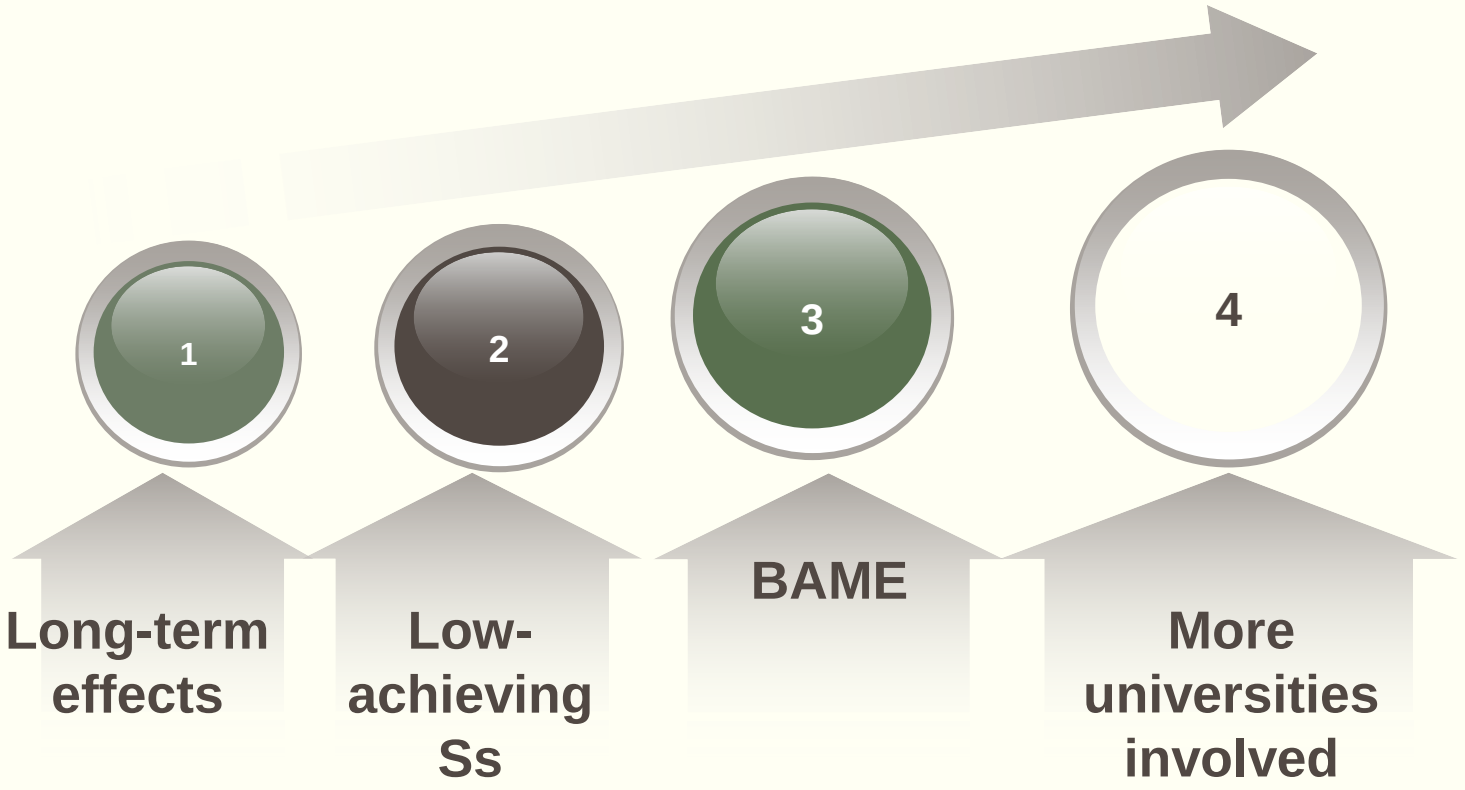
160 undergraduate BM students
Mixed-method approach, classroom action research
QSR NVivo 9

- Thematic content analysis
- **Research questions:**
  - What are undergraduate students' perceptions of Quizlet as a revision tool that enhances students' academic performance in ESD final exams promoting Sustainable Learning Development?
  - What are undergraduate students' perceptions of Quizlet as a revision tool that improves students' attitudes and digital skills, increases student autonomy, and develops their meta-cognitive skills while fostering Social Justice?

Preliminary Findings

- Ss found using Quizlet very beneficial as it was extremely easy to use
- Ss also noted that Quizlet allowed them to use their mobile phones instead of their desktop computers and avoid boring and messy notebooks
- Some Ss also revealed that they were challenged when they lost connection with the internet
- Students reported that they enjoyed working with Quizlet as they could work in groups using words from their own language

Limitations



Implications for Research and Practice

- ✓ More papers are needed discussing Quizlet's effectiveness and its impact on student attitudes, metacognitive skills, and autonomy
- ✓ The current project implemented Quizlet as a study tool in undergraduate education and revealed that learners were keen on using it, confirming previous research

- ✓ It remains contentious whether this positive attitude readily translates into more frequent vocabulary revision
- ✓ The current study revealed several additional challenges that students face such as a lack of suitable mobile devices on which to use Quizlet, reliable connection to the internet, and IT skills.

Discussion and Further Development

- ✓ AI has produced educational tools that have attracted attention for their potential to improve education quality, enhance teaching and learning methods, and promote Social Justice, ESD, and Sustainable Learning Development

- ✓ In the coming decades, AI will transform education. Since Ss of today will work in an environment where AI is the reality, it is expedient that our academic institutions expose learners to AI technology.
- ✓ More research is needed before we can reach safe conclusions about the impact of this AI-powered tool on students' academic achievement as well as the development of their learning autonomy and their meta-cognitive skills.

Thank you for your attention!

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QAA

References

- Anjaniputra, A. G., and Salsabila, V. A. (2018). The merits of Quizlet for vocabulary learning at tertiary level. Indonesian EFL Journal, 4(2), pp. 1-11.
- Baptist, S. C. (2018). Effects of Quizlet on vocabulary mastery [Rowan University]. https://rdw.rowan.edu/etd/2555/
- Barr, B. W. B. (2016). Checking the effectiveness of quizlet as a tool for vocabulary learning. The Center of EFL Journal, 1(2), pp. 36–48. https://doi.org/10.15045/ELF_0020104.
- Dizon, G., and Tang, D. (2017). Comparing the Efficacy of Digital Flashcards versus Paper Flashcards to Improve Receptive and Productive L2 Vocabulary." The EUROCALL Review, 25(1), pp. 3–15.
- Dwivedi, Y. K., Hughes, L., Ismagilova, E., Aarts, G., Coombs, C., Crick, T., ... and Williams, M. D. (2021). Artificial Intelligence (AI): Multidisciplinary perspectives on emerging challenges, opportunities, and agenda for research, practice and policy. International Journal of Information Management, 57, pp. 101994.
- Elgort, I. (2011). Deliberate Learning and Vocabulary Acquisition in a Second Language. Language Learning, 61(2), pp. 367–413.
- Fitzpatrick, T., Al-Qarni, I., and Meara, P. (2008). Intensive Vocabulary Learning: A Case Study. Language Learning Journal, 36(2), pp. 239–248