

Review of: "Adoption of Technology Acceptance and Interfaces for Academic Information System Applications"

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Potential competing interests: No potential competing interests to declare.

The paper titled "Adoption of Technology Acceptance and Interfaces for Academic Information System Applications" aims to investigate how technology in academic information systems (AIS) is accepted by students, specifically in the context of a health polytechnic. It uses the Technology Acceptance Model (TAM) and focuses on user interfaces to measure adoption.

Research Question and Hypotheses: The central research question is how AIS technology is accepted by students for their academic and learning activities. The hypotheses revolve around Perceived Ease of Use, Perceived Usefulness, and the quality of the user interface as factors influencing technology adoption.

Methods: The study employs a quantitative approach, using regression analysis to analyze data from questionnaires distributed to health polytechnic students. Validity and reliability tests, along with classic assumption tests (normality, multicollinearity, heteroscedasticity), are conducted.

Impact and Unique Selling Points:

1. **Relevance in Educational Technology:** The study is significant in the current educational landscape where digital tools are increasingly integral.
2. **Focus on User Interface:** By emphasizing the user interface, the paper highlights a critical aspect of technology adoption often overlooked in similar studies.
3. **Practical Implications:** The findings can guide educational institutions in implementing effective, user-friendly AIS systems.

Evaluation:

- The research question is clearly defined and relevant.
- Hypotheses are well-structured, directly related to the TAM framework.
- Methods are appropriate for the study, with a robust approach to data analysis.
- The paper's focus on the user interface as a key factor in technology adoption is a noteworthy aspect, providing practical insights for educational technology implementation.

However, the impact could be further enhanced with a more diverse sample beyond health polytechnic students, and by exploring additional factors influencing technology acceptance in educational settings.

Proposal to enlarge and improve the article:

To make the paper "Adoption of Technology Acceptance and Interfaces for Academic Information System Applications" applicable to a broader range of educational institutions, several changes would be needed:

Expand the Sample Population: The study currently focuses on health polytechnic students. To generalize the findings, the research should include a diverse sample from various educational institutions, including universities, community colleges, high schools, and vocational schools.

Incorporate Varied Educational Contexts: Different types of institutions have unique challenges and requirements. The study should consider these variations to make the findings more universally applicable.

Adjust the Research Instruments: The questionnaire and other research instruments should be revised to be relevant for a broader audience. This might involve altering the language to be more inclusive of different types of students and educational settings.

Consideration of Different Technologies: Different institutions may use varying technologies and platforms for their academic information systems. The study should account for these differences in technology use.

Broaden the Scope of User Interfaces: Since user interfaces can vary widely across institutions, the study should include a range of interface designs.

Include Comparative Analysis: To enhance the applicability, the study could compare and contrast how factors like perceived ease of use and perceived usefulness vary across different types of educational institutions.

By implementing these changes, the paper could provide insights that are more widely applicable across the educational sector, allowing for a better understanding of technology acceptance in a variety of academic contexts.