|  |  |
| --- | --- |
| Journal Name: | [**Asian Journal of Research in Computer Science**](https://journalajrcos.com/index.php/AJRCOS) |
| Manuscript Number: | **Ms\_AJRCOS\_139739** |
| Title of the Manuscript: | **Utilization of Digital Information Systems to Improve Learning Quality among Students in Zambia’s Higher Learning Institutions** |
| Type of the Article |  |

|  |  |  |
| --- | --- | --- |
| **PART 1: Comments** | | |
|  | **Reviewer’s comment**  **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | This manuscript is highly relevant to the scientific community, particularly in the field of education technology. It provides valuable insights into how digital information systems, such as Learning Management Systems (LMS), digital libraries, and online assessment tools, can enhance the quality of education in higher learning institutions in Zambia. The study’s findings contribute to the growing body of knowledge on the integration of technology in education, offering a practical framework for improving academic outcomes in a context where digital infrastructure and access may be limited. Moreover, the focus on student engagement, academic performance, and digital literacy is vital for preparing students for a technology-driven future, making this research crucial for  educational policymakers, administrators, and technologists in similar contexts across the globe. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | The title is appropriate and clearly reflects the focus of the manuscript. However, it can be made more concise to enhance clarity. A possible alternative could be:  "Improving Learning Quality Through Digital Information Systems in Zambian Higher Education". This revision streamlines the title while maintaining its essential meaning. |  |
| **Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.** | The abstract is comprehensive and adequately summarizes the key aspects of the study, including the research design, methods, and findings. However, it could be enhanced by briefly mentioning the implications of the findings. For instance, the suggestion for future actions, such as investing in infrastructure or training programs, could be briefly included to provide a clearer picture of the study's practical impact. A revised abstract could read: "The usage of digital information systems, including Learning Management Systems (LMS), digital libraries, and online assessment tools, has enhanced learning quality in higher learning institutions in Zambia by promoting accessibility, interactivity, and efficiency. This mixed-methods study explores the utilization of these systems in three institutions in Lusaka, Zambia, involving 264 students, lecturers, and administrators. The findings suggest that digital systems lead to improved academic performance, increased student participation, and higher digital literacy, with significant implications for the future of educational practices in Zambia." |  |
| **Is the manuscript scientifically, correct? Please write here.** | The manuscript is scientifically correct, with rigorous research methods, including both quantitative (statistical analysis) and qualitative (thematic analysis) approaches. The use of descriptive statistics and thematic analysis is appropriate for the research questions. Additionally, the references cited support the findings, with studies on digital systems' impact on learning outcomes and student engagement providing a strong theoretical and empirical  foundation. However, it would benefit from more in-depth discussion on limitations and potential biases in the research design, particularly regarding sample size and the specific regional focus (Lusaka district). |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | The references provided are extensive and recent, with studies from reputable sources like UNESCO, and numerous journal articles on the topic of digital education and its effects. However, while the references are broad, some more studies focusing specifically on the African context or Zambia’s unique challenges in technology adoption might enhance the relevance and depth of the literature review. Additional references could  include works on technology adoption in rural or underserved regions, which would help contextualize the study's findings further. |  |

|  |  |  |
| --- | --- | --- |
| **Is the language/English quality of the article suitable for scholarly communications?** | The language and overall quality of the manuscript are suitable for scholarly communication. The writing is clear, well-structured, and largely free of grammatical errors. Some minor improvements could be made for smoother readability, particularly in complex sentence structures. For example, sentences could be simplified in certain  sections to improve accessibility for a broader audience, without sacrificing the depth of analysis. |  |
| **Optional/General** comments | * Title: As mentioned earlier, simplifying the title can increase clarity. * Abstract: Including the practical implications of the study (e.g., policy recommendations) could strengthen the abstract. * Discussion: While the manuscript does an excellent job of presenting findings, it could benefit from a more detailed discussion of the study’s limitations and potential areas for future research. Acknowledging these would help balance the manuscript and provide a more comprehensive understanding of the study's context. * Digital Literacy: The paper discusses digital literacy but could expand on the role of institutions in actively fostering this skill, particularly through targeted training for staff and students.   This manuscript is a well-researched and timely contribution to the field of education technology, specifically focusing on the integration of digital information systems in Zambian higher education. It addresses a critical issue, providing valuable recommendations for policymakers and educators. With minor revisions, particularly in the abstract and discussion sections, this manuscript could be a strong candidate for publication in an international journal. |  |

|  |  |  |
| --- | --- | --- |
| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* |  |

**Reviewer details:**

**Evania Yafie, Indonesia**