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| Book Name: | [Engineering Research: Perspectives on Recent Advances](https://www.bookpi.org/bookstore/product/engineering-research-perspectives-on-recent-advances-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4234** |
| Title of the Manuscript:  | **Possibility of application of intelligent buildings (IBs) characteristics to improve the office buildings performance in Yemen** |
| Type of the Article | **Book chapter** |

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| PART 1: Comments |
|  | Reviewer’s comment | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. 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 holds notable importance for the scientific community, particularly within the realm of sustainable architecture and building technology in developing nations. The study's focus on applying intelligent building (IB) characteristics in Yemen, a region where these concepts are not yet widely adopted, offers valuable insights into the challenges and opportunities for technology transfer and adaptation. The paper contributes to the knowledge base by exploring the practicalities of implementing advanced building systems in contexts with limited digital infrastructure. Furthermore, this work bridges the gap between theoretical concepts of IB and their real-world applicability in specific cultural and technological settings. The findings can serve as a foundation for further research and practical projects aiming to enhance building performance and user experience in comparable regions. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | Yes, the title, "Possibility of application of intelligent buildings (IBs) characteristics to improve the office buildings performance in Yemen," is reasonably suitable. It clearly states the focus of the paper and the geographical context. |  |
| 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 mostly comprehensive; it identifies the issue, the purpose of the research, the research approach and the results. However, it could benefit from a few minor additions:* **Specificity in Methodology:** While the abstract mentions "analyzing one of the contemporary office buildings," briefly indicating *how* this analysis was done (e.g., a case study, interviews, etc.) could be useful.
* **Key Findings:** The abstract mentions “high possibility of achieving the features of IBs,” however, making a stronger statement regarding the specific findings or proposed actions (e.g., “It is concluded that Yemen's buildings are suitable to apply the characteristics of IBs especially for some of the features of the IBs, with some needed improvements in certain areas”) could be more impactful.
* **Specific limitations:** a statement about the main limitation of the study would give a more balanced view of the research.
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| **Is the manuscript scientifically, correct? Please write here.**  | Yes, the manuscript seems scientifically correct in its approach and content, based on a general analysis of its structure and content. The paper clearly defines the intelligent building concept and follows a logical progression in describing the historical development of IBs and the importance of their characteristics. It also addresses the current situation in Yemen. The overall methodology and the points made appear to be scientifically sound. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | The references are a mix of recent and slightly older sources. There is a good balance between technical reports, articles from relevant journals and books. Some of the cited literature is relatively old, and this could be improved by looking for more recent articles that include novel work on the topic. However, it does look like the author has tried to include the most relevant research.Here are a few suggestions for potentially relevant references, based on the scope of the paper:* **Specific case studies** of IB implementation in other developing countries to provide more comparative context (e.g. studies from Africa or South America).
* **More focus on building performance** monitoring, and recent advancements in this field.
* **Recent literature on the challenges** related to digital infrastructure in developing countries, specifically those related to adopting intelligent systems in buildings.
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| Is the language/English quality of the article suitable for scholarly communications? | The language and English quality are generally suitable for scholarly communication. While there are a few minor grammatical and stylistic issues, the writing is clear and understandable. A thorough proofreading by a native English speaker would improve the readability further. |  |
| Optional/General comments | Overall, the manuscript presents a valuable exploration into the applicability of intelligent building technologies in Yemen. The structure and content are logical, and the research is relevant. The paper makes a solid contribution by analyzing the current situation in Yemen, showing that it can potentially benefit from using the characteristics of IBs.The authors should consider the following to improve the manuscript:* **Case Study Depth:** While a case study is mentioned, providing more detail about this building's specific features and how they relate to IB principles would make the case study more impactful.
* **Actionable Recommendations:** Beyond the list of proposals, consider providing a few more specific and actionable recommendations for policymakers and construction industry stakeholders. For example, which systems are easier to implement in the context of Yemen?
* **Focus on challenges:** The authors should include more discussion about specific challenges to implement IBs in Yemen and how to overcome them.
* **Broader impact:** While the focus is on office buildings, the paper might include a final remark about how the findings are applicable to other types of buildings.

By addressing these points, the authors can further strengthen their manuscript and make a more significant contribution to the field of sustainable building and technology transfer. |  |

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| **PART 2:**  |
|  | **Reviewer’s comment** | **Author’s comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. 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)* |  |

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| **Reviewer Details:** |
| Name: | **Berrabah Hamza Madjid** |
| Department, University & Country | **Unversity of Relizane, Algeria** |