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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 significant importance for the scientific community as it bridges the gap between advanced architectural concepts like Intelligent Buildings (IBs) and their potential application in a developing context such as Yemen. By highlighting the feasibility and challenges of integrating intelligent systems into existing architectural frameworks, the study offers valuable insights for researchers and practitioners exploring sustainable and technology-driven building solutions. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **YES** |  |
| ~~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. | * While the findings highlight the possibility of applying IB features, the abstract does not elaborate on specific implications or contributions. * Include specific findings or implications, such as how IB systems could impact energy efficiency, sustainability, or workplace productivity in Yemen. |  |
| **Is the manuscript scientifically, correct? Please write here.** | The manuscript identifies a clear gap in the application of intelligent systems in Yemen’s buildings, focusing on how this technology could improve building performance and employee productivity. This is a well-defined research problem, which is central to scientific studies. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **YES** |  |
| Is the language/English quality of the article suitable for scholarly communications? | Editing is requıred to correct some grammatical errors |  |
| Optional/General comments | This study presents an important exploration of integrating Intelligent Buildings (IBs) in Yemen, with a focus on office buildings. However, there are several areas for improvement to enhance its contribution and impact:  **1. Abstract**  The study’s abstract is without ‘***keywords***’  **2. Strengthen Methodological Rigor**  The study lacks a detailed methodology about how the characteristics of IBs and the  building's performance was evaluated. Provide a clear explanation of the research  methods, such as criteria for selecting the case study, data collection methods, and  analytical techniques.  **3. Quantify the Findings**  The findings are described qualitatively (e.g., "high possibility"), which may lack  precision. Use quantitative measures to assess the feasibility of IBs, such as metrics for  energy efficiency, cost-effectiveness, or employee productivity improvements.  **4. Address Socio-Economic and Cultural Barriers**  The study does not sufficiently address the socio-economic and cultural factors affecting  the adoption of IB systems in Yemen. Analyze how economic constraints, cultural  acceptance and workforce expertise influence the implementation of IBs, and propose  strategies to address these barriers.  **5. Emphasize Sustainability Aspects**  Although sustainability is mentioned, the study does not elaborate on how IBs could  address specific environmental challenges in Yemen. Include discussions on how IB  systems can enhance energy efficiency, reduce water consumption, or improve indoor  air quality in the Yemeni context.  **6. Recommendations**  While the study identifies the need to update digital infrastructure and ICT, it does not  provide specific steps for achieving these updates. Propose a roadmap or phased strategy  for improving Yemen’s digital infrastructure, including partnerships, funding sources,  and policy changes.  **7. Compare with Regional or Global Examples**  The study does not benchmark Yemeni buildings against IB implementations in other  developing countries. Include comparative case studies or lessons from similar contexts  to highlight successful strategies and adaptable solutions.  **8. Expand the Conclusion**  The conclusion provides a general overview but lacks specific implications and future  directions. Offer clear, actionable conclusions about how the findings can inform  policy, design practices, or future research. |  |

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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: | **Oluwagbemıga Paul Agboola** |
| Department, University & Country | **Istanbul Gelisim University, Turkey** |