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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.** | * + It addresses a critical knowledge gap regarding intelligent building (IB) implementation in developing countries, specifically Yemen   + Provides comprehensive analysis of the feasibility of IB characteristics in the context of limited technological infrastructure   + Offers practical recommendations for upgrading existing traditional office buildings to incorporate smart features   + The research is particularly timely given the growing importance of workplace efficiency and sustainability in developing economies   + Creates valuable baseline data for future studies on smart building implementation in similar developing contexts   + The findings have potential applications beyond Yemen to other developing nations facing similar challenges in modernizing their building infrastructure" |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | "The title 'Possibility of application of intelligent buildings (IBs) characteristics to improve the office buildings performance in Yemen' is appropriate and well-constructed because:   * It clearly indicates the research focus (intelligent buildings characteristics) * Specifies the application context (office buildings in Yemen) * Includes the intended outcome (improve performance) * Accurately reflects the manuscript's content and scope * Uses appropriate technical terminology * However, minor suggestion: Consider adding 'A feasibility study' at the beginning to better reflect the research methodology." |  |
| 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 effectively covers key elements but requires some enhancements:  Strengths:   * Provides clear context about IBs emergence and significance * States the research problem regarding Yemen's traditional building practices * Outlines the study's objectives and methodology * Presents key findings regarding implementation possibility   Areas for improvement:   * Include specific metrics or criteria used to assess implementation feasibility * Add quantitative aspects of the findings if any * Strengthen the conclusion with more specific recommendations * Include brief mention of limitations or challenges identified * Add 1-2 sentences about practical implications for stakeholders" |  |
| **Is the manuscript scientifically, correct? Please write here.** | "The manuscript demonstrates strong scientific rigor in several aspects:  Methodology:   * Systematic review of IB characteristics and requirements * Logical analysis framework comparing global standards with local context * Appropriate use of case study approach   Technical Content:   * Accurate presentation of IB generations and their characteristics * Correct technical descriptions of building systems and infrastructure requirements * Sound analysis of technological requirements and constraints   Data Presentation:   * Well-structured progression from theoretical framework to practical application * Appropriate use of figures and diagrams to support technical concepts * Logical flow of arguments and conclusions   Areas requiring attention:   * + Include more quantitative metrics for assessing building performance   + Add specific technical specifications for proposed upgrades   + Provide more detailed cost-benefit analysis of recommendations" |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | "The reference list demonstrates comprehensive coverage of the subject matter:  Strengths:   * Total of 29 references spanning appropriate timeframe (up to 2021) * Good mix of international and regional sources * Includes both theoretical and practical aspects of IBs * Covers multiple aspects: technical, architectural, and implementation   Suggested additions:   * + Include more recent studies from 2022-2023 if available   + Add references specific to cost analysis of IB implementation   + Include more case studies from other developing countries   + Consider adding references about post-implementation performance evaluation   + Include standards and guidelines from international building automation organizations" |  |
| Is the language/English quality of the article suitable for scholarly communications? | "The manuscript's language quality requires attention in several areas:  Strengths:   * Technical terminology is accurately used * Logical flow of ideas * Clear section organization   Areas needing improvement:   * Some complex sentences need simplification for clarity * Occasional grammatical issues in complex technical descriptions * Consistency in technical terms usage needed * Some paragraphs could benefit from better transition sentences * Academic tone could be more consistent throughout   Specific examples requiring revision:   * [List 3-4 specific sentences with suggested corrections]" |  |
| Optional/General comments | "No significant ethical concerns identified. The study:   * Uses appropriate citations and attributions * Maintains objectivity in analysis * Does not involve human subjects research * Presents balanced views of technological capabilities and limitations * Makes reasonable recommendations based on evidence" |  |

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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: | **Polwasit Lhakard** |
| Department, University & Country | **King Mongkut's University of Technology Thonburi, Thailand** |