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| Book Name: | [**New Horizons of Science, Technology and Culture**](https://bookstore.bookpi.org/product/new-horizons-of-science-technology-and-culture-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_6069** |
| Title of the Manuscript:  | **IOT-ENABLED SMART LIGHTING CONTROL SYSTEM WITH MOTION DETECTION USING PASSIVE INFRARED SENSOR TECHNOLOGY** |
| Type of the Article | **Book Chapter** |

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| PART 1: Comments |
|  | Reviewer’s comment**Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | 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.** | The system is particularly relevant in the context of smart home technologies and climate-aware design. By integrating multiple sensors like BLE, capacitive touch, and PIR motion detection, the study contributes to the growing literature on energy-efficient automation. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | The title is comprehensive and accurately reflects the core elements of the study. |  |
| 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 slightly too long and includes background details more appropriate for the introduction. There are some redundant and multiple usage of same phrases. Quantitative results are not mentioned in the abstract. The abstract can be shortened by ~20%, focusing on key findings and system impact. Some performance outcomes can also be included. |  |
| **Is the manuscript scientifically, correct? Please write here.**  | The article presents a methodologically sound practical application of IoT and sensor integration in lighting control. The hardware-software integration is logically presented, including a functional schematic, flowchart, and performance evaluation. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | The manuscript cites works from 2020–2023 related to IoT, smart lighting, and motion detection. It seems sufficient. |  |
| Is the language/English quality of the article suitable for scholarly communications? | The article is generally well-written but suffers from several grammatical and stylistic issues. |  |
| Optional/General comments | The following points can be considered for improving the quality of the article1. Conduct thorough language editing to correct grammatical errors and improve clarity.
2. Shorten overly complex sentences and remove repeated phrases.
3. The paper lacks comparative analysis—no benchmarking against existing lighting control systems.
4. Environmental factors influencing system performance (e.g., false triggers from pets or sunlight) are not addressed.
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| **PART 2:**  |
|  | Reviewer’s comment | Author’s comment *(if agreed with the 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 detail)* |  |

**Reviewer details:**

**Albert John Varghese, India**