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| Journal Name: | **International Journal of Environment and Climate Change** |
| Manuscript Number: | **Ms\_IJECC\_133751** |
| Title of the Manuscript: | **Optimizing the IoT sensor power consumption through in change in duty cycle using intelligent switching mechanisms.** |
| Type of the Article | **Original Research Article** |

PART 1: Comments

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|  | **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.** |  |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** |  |  |
| **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.** |  |  |
| **Is the manuscript scientifically, correct? Please write here.** |  |  |
| **Are the references sufficient and recent? If you have**  **suggestions of additional references, please mention them in the review form.** |  |  |

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| **Is the language/English quality of the article suitable for scholarly communications?** |  |  |
| **Optional/General** comments | 1. **A well-structured abstract explains the research objectives, methodological framework, and key findings of the study.** 2. **"The experimental setup consists of a DHT11 sensor, an INA219 current sensor, and an IRLZ43N MOSFET relay, connected to a Raspberry Pi 4 to collect and upload data to the Adafruit IO cloud platform."**   **make it shorter to write sentences like this:**  **"The setup includes a DHT11 sensor, an INA219, an IRLZ43N MOSFET relay, and a Raspberry Pi 4 for data collection and cloud upload via Adafruit IO."**   1. **Make a match between the research background, research problem and research objectives if necessary present the novelty. but overall this abstract has met the writing standards** 2. **In the literature review to be equipped with various sources from the last 5 years, there will also be adjustments to the references** 3. **Adjusting references with data from the last 5 years would be better** 4. **Add some comparison results and discussion.** 5. **Give a comparison to previous work.** 6. **Check for grammar and spelling.** | In the correction process, care is taken to make the sentences shorter. Effort has been taken to take a match between research background, research problem and objectives by suggesting the advantages of voice controlled approach and how it can be implemented. In literature review section, various examples have been included regarding the similarity to the research objectives. References have been selected as per the relevance of the research objectives though some of the references are older than 5 years, Shall try to include as suggested in the corrected manuscript. Comparison points regarding results obtained are represented in graphical format, can mention in tabular form if desired. The current research work carried out was not being previously done so no comparison can be done with previous work. In the corrected script grammar and spelling will be checked thoroughly. |

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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)* |  |