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| Book Name: | **Intelligent IoT Systems: From Research to Real-World Solutions** |
| Manuscript Number: | **Ms\_BPR\_6282.4** |
| Title of the Manuscript:  | **IoT Enabled Aquarium Automation feeding and Real time monitoring System**  |
| 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.** |  |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | The title is understandable but it could be better stated as “IoT-Enabled Smart Aquarium System for Automated Feeding and Real-Time Monitoring”or “The design and implementation of IoT-Based Aquarium Automation System with Real-Time Monitoring”. |  |
| 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 suppose to start with a bit of introduction about the topic before jumping into system designIt was observed as well that the author listing all components in the abstract which will overwhelm readers, it should be shifted to methodology.the abstract is short of clarification could improve precision without mention the design method |  |
| **Is the manuscript scientifically, correct? Please write here.**  | The manuscript is scientifically correct for stating the proble “Traditional aquariums depend too much on manual observation and maintenance, which are perhaps sporadic and inaccurate”.it also state the literature review yet there are some little adjustment needed like a section the author mentioned “only three sensors (temperature, turbidity, water level), but later he include a **pH sensor and even a live camera**. Let there be consistent throughout the manuscript”. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | In the entire introuction there is no single citation of which from my findings he got some information from (Abdisalan et al. 2024) in their work on “Iot-based automatic fish feeding system” the references are only sufficient for the literature review. I will suggest that the author should acknowledge the scholars involved in his work |  |
| Is the language/English quality of the article suitable for scholarly communications? | The work is coherent in and structured but some repetition like “automated feeding using a servo motor” should be reduced and Informal wording like“reduce hand workload as minimal as possible” or “feed information”sound conversational rather academic better as“minimize manual workload” |  |
| Optional/General comments | The author should try and make this little corrections made above |  |

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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:**

**Charles Mathias Ikoo, Nigeria**