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| Journal Name: | [**International Journal of Environment and Climate Change**](https://journalijecc.com/index.php/IJECC)  |
| Manuscript Number: | **Ms\_IJECC\_133347** |
| Title of the Manuscript:  | **The AI-powered Cleanup: A Revolution in Solid Waste Management** |
| Type of the Article |  |

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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.** | This article addresses the global challenge of waste management by exploring the role of Artificial Intelligence in enhancing efficiency. It emphasizes the importance of solid waste management (SWM) in protecting public health and highlights how AI-powered predictive analytics platforms can assist organizations in optimizing resource allocation. By leveraging these technologies, waste management processes can be streamlined, ensuring more effective use of resources and ultimately contributing to a cleaner, healthier environment. |  |
| **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. | Yes |  |
| Is the manuscript scientifically, correct? Please write here. | Yes |  |
| **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? | Please address inconsistent spacing throughout the article. |  |
| Optional/General comments | This article effectively addresses a critical challenge in today’s world. It covers key topics such as waste segregation, predictive vehicle allocation, waste generation forecasting, and the smart bin system. Hopefully, more organizations will embrace these innovative methodologies to deliver better solutions for future generations. |  |

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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:**

**Prasanna Pasam, USA**