

Review of: "Internet of Things in Smart Grid: A Comprehensive Review of Opportunities, Trends, and Challenges"

KONDAVEETI Sivakrishna

Potential competing interests: No potential competing interests to declare.

This manuscript describes an Internet of Things in Smart Grid: A Comprehensive Review of Opportunities, Trends, and Challenges. **Accept with Minor Revisions:** The manuscript is well-organized and provides valuable insights into the role of IoT in smart grids. With the suggested revisions, it can make a strong impact and serve as a comprehensive resource for researchers and practitioners in the field. However, many uncertain issues are addressed. Moreover, more evaluation should be added. Therefore, a minor revision is suggested before possible publication.

Suggestions:

1. Ensure that the literature review is organized thematically or chronologically to enhance readability. Additionally, explicitly state the criteria used for selecting the reviewed literature.
2. Include case studies or real-world examples where IoT has successfully created these opportunities in smart grids to provide practical insights.
3. Consider summarizing the trends in a table to provide a visual representation of the information, making it easier for readers to grasp the key points.
4. Propose potential solutions or mitigation strategies for the challenges discussed. This will add value by not only identifying problems but also suggesting ways to address them.
5. Provide more details on the search strategy, including databases used, search terms, and inclusion/exclusion criteria, to enhance the reproducibility of the review.
6. Ensure that all references are formatted consistently according to the journal's guidelines.