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

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Potential competing interests: No potential competing interests to declare.

The article includes references that, for the most part, are current and relevant to the field of the Internet of Things (IoT) and smart networks. However, it would be beneficial to incorporate more recent studies from the last two years to ensure that the article is aligned with the most recent developments in the area.

The analysis of the state of the art is adequate, providing an overview of current technologies and their application in smart grids. However, it could be improved by a more detailed comparison of existing technologies, their limitations, and how this work differs from previous works.

The theoretical framework is well developed, clearly explaining the fundamental concepts of IoT and smart grids. However, some sections could benefit from greater clarity and depth. For example, the definition and explanation of the communication protocols used in IoT could be more detailed.

The description of the work carried out is clear and structured. The author presents in a comprehensible way the objectives, methodology, and procedures followed in the study. However, it would be helpful to include additional diagrams or schematics to better illustrate the process and components of the proposed system.

The article provides enough detail about the methodology so that other researchers can replicate the study. However, it is recommended to include more information about the specific hardware and software configurations used, as well as any relevant scripts or code, to ensure complete replicability of the process.

The author appropriately highlights how his results compare to previous work. However, a section dedicated to explicitly discussing the differences and advantages of the proposed approach compared to previous studies could be useful. This would help to underline the original contribution of the work.

The article mentions possible directions for future work, which is positive. However, a more detailed discussion of specific areas requiring additional research and possible methodological approaches would enrich this section and provide a clearer roadmap for future research.

Overall, the article “Internet of Things in Smart Grid” by Vaibhav Khare is a solid work that addresses a relevant and current topic in the field of IoT. With some improvements in the mentioned areas, the article has the potential to make a

significant contribution to the literature. I recommend its acceptance conditional on the incorporation of the previous suggestions.