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

Husam Rajab[1]

1 Technical University of Budapest

Potential competing interests: No potential competing interests to declare.

Review of "Internet of Things in Smart Grid: OPPORTUNITIES, TRENDS, AND CHALLENGES IN THE GLOBAL ONLINE SHAPEWEAR MARKET: A COMPREHENSIVE REVIEWVaibhav Khare's paper, "Internet of Things in Smart Grid: Read(sprite200 articles) Article 3: Wang, Y. and Han, Z. “A Comprehensive Review of Opportunities, Trends, and Challenges,” provides a broad overview of smart grids and IoT integration. It ought to cover contemporary perspectives, problems, and opportunities and put accent on the IoT’s transformative impact on smart grids.
Strengths: Comprehensive Scope: This paper contains a general overview of the IoT and smart grid; thus, it will be helpful for every reader, from those who are starting their journey to experts.

Clear Structure: The formatting is excellent and lays out the reader through the relative confusing nature of IoT in smart grids in a systematic and structured manner.

In-Depth Analysis: Clear elaboration of the application of IoT in smart cities, agriculture, health, transport, and waste management sectors proves a good grip of the topic.

Data-Driven Insights: Projections and economic implications add more credibility to the paper through the coefficients’ use of figures and statistical data.

Identification of Challenges: The main strength of the present review is that both the advantages and the disadvantages of a technique are analyzed and compared.

Areas for Improvement: Technical Depth: There is a possibility that some sections can be enriched with technical details more: IoT architecture in smart grids or particular protocols and security measures.

Recent Developments: This paper would benefit from reflecting on the most recent advancements and trends in IoT and smart grids and including the most recent case studies.Visual Aids: Perhaps more diagrams and flowcharts could help in explaining some ideas, to make the paper more comprehensible.

References and Citations: Paying more attention to noting all the points and making all the statements would enhance academic standards to a greater extent. It would be useful to include more citations to other, relatively recent, works.

Future Directions: Future work of analyses, the discussion of which may be expanded in this work, and emerging ideas,

like edge computing and blockchain, may be helpful for additional research.

All in all, it can be concluded that Khare's paper is well-structured and informative in assessing the current situations and potential approaches to IoT integration into smart grids. Concentrating on the deficiencies identified, such as the lack of technical depth, the current developments, and visuals, may improve the potential of shocking the audience and usefulness for users.