

**Review Form 1.7**

Journal Name:	<b>Asian Journal of Research in Computer Science</b>
Manuscript Number:	<b>Ms_AJRCOS_112586</b>
Title of the Manuscript:	<b>Exploring a Pragmatic and exponential advancement in use of Machine Learning and Artificial Intelligence system.</b>
Type of the Article	

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**PART 1: Review Comments**

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p><b>Compulsory</b> REVISION comments</p> <ol style="list-style-type: none"> <li>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li>3. <b>Is the abstract of the article comprehensive?</b></li> <li>4. <b>Are subsections and structure of the manuscript appropriate?</b></li> <li>5. <b>Do you think the manuscript is scientifically correct?</b></li> <li>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> <li>1. The manuscript appears to be relevant for the scientific community, particularly in the fields of data science, machine learning, artificial intelligence, and energy sources. It explores the novel concept of using data as an energy source for future machines, addressing issues related to sustainability and energy consumption. The discussion of applications in smart agriculture, self-driving cars, and smart irrigation systems contributes to the broader discourse on leveraging data for energy efficiency. The inclusion of references to relevant studies and technologies further strengthens its connection to the scientific community.</li> <li>2. The title of the article, "Exploring a Pragmatic and Exponential Advancement in the Use of Machine Learning and Artificial Intelligence Systems," seems to be slightly misaligned with the main focus of the manuscript. The central theme revolves around the concept of using data as an energy source for future machines, whereas the title emphasizes a broader exploration of advancements in machine learning and artificial intelligence systems. A more focused title that accurately reflects the primary content of the article might enhance its relevance and clarity. Certainly, given the main focus of the article on the use of data as an energy source for future machines, a more aligned and descriptive title could be: "Data as an Energy Source: Advancing Sustainable Machine Power through Machine Learning and Artificial Intelligence". This title better captures the core concept discussed in the manuscript and provides a clear indication of the article's content.</li> <li>3. Yes, the abstract of the article appears to be comprehensive. It provides a clear overview of the key concepts discussed in the manuscript, including the emergence of data as a new form of energy, the challenges associated with conventional energy sources, and the potential applications of using data as an energy source for future machines. The abstract effectively summarizes the main points, making it informative and accessible for readers to understand the scope and objectives of the research.</li> <li>4. Overall, the manuscript follows a logical structure with clearly defined subsections. It begins with an abstract that summarizes the key points of the research. The introduction sets the stage by introducing the concept of data as an energy source, followed by related work, understanding terminologies, and discussions on self-driving cars and smart irrigation systems. However, there are some points to consider: The subsection "2.1.1 Self-driving cars" seems to be a bit abrupt in its introduction. It might benefit from a smoother transition or introductory sentence. The transition from subsection "3.1 Benefits of the Transition" to "3.2 Challenges posed by Technologies Adopted" could be more seamless. Ensuring a smooth flow between subsections can enhance the overall readability and coherence of the manuscript.</li> <li>5. The manuscript appears to be scientifically sound in its approach and discussion. It introduces a novel concept—using data as an energy source for future machines—and discusses its potential applications in a variety of fields. The inclusion of references to relevant studies and technologies adds credibility to the research. However, a thorough peer review process by experts in the field would provide a more comprehensive evaluation of the scientific accuracy of the manuscript.</li> <li>6. The references in the manuscript seem to cover a range of relevant studies, including those related to machine learning, artificial intelligence, energy sources, and smart systems. The inclusion of references up to the year 2023 reflects a relatively recent and</li> </ol>	

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	<p>up-to-date selection.</p> <p>However, it's always beneficial to ensure a comprehensive coverage of the latest research. Depending on the specific focus areas within the manuscript, the author(s) may consider checking for additional recent studies or updates in the field that could further support or complement the existing references. This could involve looking for papers published in the last 1-2 years that specifically address topics discussed in the manuscript.</p>	
<p><b>Minor</b> REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>The language quality of the article falls short of the standards expected for scholarly communications. There are instances of grammatical errors, awkward phrasing, and inconsistencies throughout the manuscript. To enhance the clarity and coherence of the content, a thorough proofreading and revision process is recommended. Additionally, attention should be given to adhering to academic English conventions, ensuring that the language effectively conveys the intended message to the scholarly audience. A careful proofreading to address minor grammatical issues and ensure consistent terminology usage would further enhance the overall quality of the language.</p> <p>Consider revisiting sentences such as:</p> <p>"Empowering irrigation systems using sensors. In this context, using data as an energy source for future machines could be a promising solution..."</p> <p>For smoother flow, it might be beneficial to connect these sentences more cohesively. Overall, minor language enhancements could contribute to a polished scholarly communication.</p>	
<p><b>Optional/General</b> comments</p>	<p>There are many minor misspellings, such as:          optimise (should read optimize)          utilise (should read utilize)          optimised (should read optimized)          visualisation (should read visualization)</p> <p>The description in Figure 2 is repeated (Global Energy Consumption Global Energy Consumption)</p> <p>Similarly, the number 2 of the chemical formula carbon dioxide, should be as a subscript; the number 3 of the unit of volume cubic meters, should be as a superscript.</p> <p>While the manuscript appears to follow a style similar to APA, it does not strictly adhere to APA guidelines, particularly in the reference section. According to APA standards, the reference list should be organized alphabetically by the last name of the first author for each work. Therefore, it is advisable to adjust the reference section to comply with this specific APA convention by organizing the references in alphabetical order. This would enhance consistency and alignment with established bibliographic guidelines. As this is a scientific article, it might be preferable to adhere to IEEE citation guidelines for greater alignment with scientific writing standards. IEEE citation style provides a structured and standardized format suitable for scientific publications. Consider adopting IEEE citation guidelines to ensure consistency and conformity with established practices in scientific writing.</p>	

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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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