

## Review Form 1.7

Journal Name:	<b>Asian Journal of Education and Social Studies</b>
Manuscript Number:	<b>Ms_AJESS_117565</b>
Title of the Manuscript:	<b>Analysis of Critical Thinking Aspects in the Implementation of Blended Learning Model Based on Electric Material Project</b>
Type of the Article	

### **General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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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><b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li><b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li><b>Is the abstract of the article comprehensive?</b></li> <li><b>Are subsections and structure of the manuscript appropriate?</b></li> <li><b>Do you think the manuscript is scientifically correct?</b></li> <li><b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<p>The manuscript presents a valuable contribution to the scientific community, particularly in the field of educational technology and pedagogy. It addresses the critical issue of enhancing critical thinking skills through a blended learning model in the context of electrical engineering education. Given the increasing reliance on digital platforms for education and the importance of critical thinking in engineering disciplines, this study's findings are pertinent and timely. The focus on specific critical thinking aspects (interpretation, analysis, evaluation, inference, explanation, and self-regulation) and their impact on learning outcomes provides actionable insights for educators and curriculum designers.</p> <p>The title of the article, "Analysis of Critical Thinking Aspects in the Implementation of Blended Learning Model Based on Electric Material Project," is descriptive and accurately reflects the manuscript's content. However, it could be made more concise and impactful. A suggested alternative title could be: "Enhancing Critical Thinking in Electrical Engineering Education: A Blended Learning Approach."</p> <p>The abstract provides a clear overview of the study's purpose, methodology, and key findings. It succinctly outlines the critical thinking aspects examined and highlights the positive impact of these aspects on learning outcomes. However, the abstract could benefit from a brief mention of the study's implications for educational practice and future research directions to give readers a more comprehensive understanding of the study's relevance and potential impact.</p> <p>The manuscript is well-structured, following a logical flow from introduction to conclusion. The use of subsections (Introduction, Critical Thinking, Learning Outcomes, Learning Models, Methods, Results, Discussion, Conclusion) facilitates easy navigation and comprehension. Each section is appropriately detailed, contributing to a coherent narrative. However, the "Methods" section could be expanded to include more details on the participant selection process and data analysis techniques to enhance the study's replicability.</p> <p>The manuscript appears to be scientifically correct, with a solid theoretical foundation and a well-executed research methodology. The use of multiple data collection methods (interviews, questionnaires, observation) and the application of both qualitative and quantitative analysis strengthen the study's validity. Nonetheless, a more detailed discussion of the study's limitations and potential biases would enhance its scientific rigor.</p> <p>The references are sufficient and relevant, covering a broad range of sources that inform the study's theoretical and methodological framework. Most references are recent, indicating that the study is grounded in current educational research. However, incorporating additional references that specifically address the challenges and strategies for implementing blended learning in engineering education could provide a more comprehensive background. For instance, recent studies on the pedagogical effectiveness of blended learning in STEM fields could offer valuable insights and comparisons.</p> <p><b>Specific Comments and Suggestions</b></p> <p>Introduction: Strengthen this section by explicitly stating the research gap the study aims to fill and its significance in the broader context of engineering education.</p> <p>Methods: Provide more details on the selection criteria for participants and the rationale behind choosing the specific digital applications and platforms. Clarify the data analysis process, especially how qualitative data were interpreted and integrated with quantitative findings.</p> <p>Results: The presentation of results is clear and well-organized. Including visual aids, such as charts or graphs, could enhance the readability and impact of the findings.</p> <p>Discussion: Expand this section to compare the study's findings with existing literature, highlighting agreements or discrepancies. Discuss the implications of the study for blended learning implementation in similar educational contexts.</p>	

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	<p>Conclusion: Besides summarizing key findings, articulate specific recommendations for educators and institutions looking to adopt blended learning models. Mention potential directions for future research to address the study's limitations.</p>	
<p><b>Minor</b> REVISION comments</p> <p><b>1. Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>I have noted the following text:          The manuscript titled "Analysis of Critical Thinking Aspects in the Implementation of Blended Learning Model Based on Electric Material Project" is intended for scholarly communication within the scientific community. The language used in a scholarly article is crucial as it not only conveys the research findings but also reflects the precision, clarity, and professionalism of the work. Below, I provide a detailed evaluation of the language and English quality of the article based on the provided text.</p> <p><b>Strengths:</b>  <b>Technical Vocabulary:</b> The manuscript effectively employs technical and field-specific vocabulary, which is appropriate for its target audience of educational technology and pedagogy professionals. Terms like "blended learning," "critical thinking aspects," and "learning outcomes" are consistently used, which are pertinent to the study's focus.</p> <p><b>Structured Presentation:</b> The language used in the manuscript is structured and organized, particularly in the way sections are laid out (Introduction, Methods, Results, etc.), which aids in clear communication of the content.</p> <p><b>Weaknesses and Areas for Improvement:</b>  <b>Grammatical Inconsistencies:</b> There are instances of grammatical errors and awkward phrasing that could hinder comprehension and distract from the content. For example, phrases like "WhatsApp" instead of "WhastApp," and "if Count &gt; Table and significance value &lt; 0.05, then Ho is rejected and Ha is accepted" could be more clearly expressed to enhance readability and professionalism.</p> <p><b>Punctuation and Syntax Errors:</b> The manuscript occasionally suffers from punctuation errors and complex syntax that can make sentences difficult to understand. Proper punctuation is essential for clarity, especially in complex analyses involving multiple variables and statistical outcomes.</p> <p><b>Consistency and Flow:</b> The flow of language sometimes appears disrupted by abrupt transitions between sections and ideas. Improved transitional phrases and a more consistent narrative style would enhance the readability and coherence of the manuscript.</p> <p><b>Typos and Spelling Mistakes:</b> Minor typographical errors and spelling mistakes are present (e.g., "Blended learning based project" should be "Blended learning-based project"). Such errors, while small, can affect the manuscript's credibility and should be corrected.</p> <p><b>Recommendations:</b>  <b>Proofreading and Editing:</b> It is advisable to thoroughly proofread the manuscript to correct grammatical, punctuation, and spelling errors. Professional editing services or software could be used to polish the language further.</p> <p><b>Enhance Clarity and Conciseness:</b> Simplifying complex sentences and ensuring that each sentence clearly conveys its intended message will make the manuscript more accessible. Avoiding jargon where possible and explaining terms when they are first introduced can also help in making the article more reader-friendly.</p> <p><b>Consistent Terminology:</b> Ensure consistent use of key terms and concepts throughout the manuscript to avoid confusion. For instance, consistently using either "learning outcomes" or "educational outcomes" can help maintain clarity.</p> <p><b>Improve Transitions:</b> Enhancing the transitions between sections and within paragraphs to create a smoother narrative flow would significantly improve the readability of the manuscript.</p>	
<p><b>Optional/General</b> comments</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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