

### Review Form 3

Journal Name:	<a href="#">Asian Journal of Research in Computer Science</a>
Manuscript Number:	Ms_AJRCOS_124469
Title of the Manuscript:	Transforming Perceptions: Strategies for Making Computer Science Accessible and Engaging for All Learners
Type of the Article	Original Research Article

#### **General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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#### **Important Policies Regarding Peer Review**

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**PART 1: Review Comments**

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p><b>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</b></p>	<ul style="list-style-type: none"> <li>- This manuscript holds significant importance for the scientific community as it addresses a critical issue: the accessibility and inclusivity of computer science education.</li> <li>- By investigating the barriers that underrepresented groups face, it sheds light on societal stereotypes and misconceptions that discourage participation in this vital field.</li> <li>- The use of a mixed-methods approach enriches the research, providing both quantitative and qualitative insights that can inform effective pedagogical strategies.</li> <li>- I appreciate the focus on actionable solutions, such as interactive teaching methods and mentorship programs, which can be implemented by educators and policymakers to foster a more diverse and engaged student body in computer science.</li> <li>- Overall, this study contributes valuable knowledge and practical recommendations for enhancing inclusivity in STEM education.</li> </ul>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<ul style="list-style-type: none"> <li>- The title "Transforming Perceptions: Strategies for Making Computer Science Accessible and Engaging for All Learners" is suitable as it clearly conveys the focus of the study on enhancing accessibility and engagement in computer science education. However, if you're looking for a more concise alternative, you might consider:</li> <li>- "Enhancing Accessibility and Engagement in Computer Science Education for Diverse Learners" : This title maintains the essence of the original while emphasizing the key themes of accessibility and diversity.</li> </ul>	
<p><b>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</b></p>	<p>The abstract is comprehensive and effectively outlines the study's focus, methods, findings, and implications. However, to enhance clarity and depth, consider the following suggestions:</p> <ul style="list-style-type: none"> <li>- <b>Clarify Objectives:</b> Explicitly state the primary objectives of the study at the beginning to provide clearer context.</li> <li>- <b>Detail Findings:</b> Include specific examples of the challenges students faced and the types of interventions that were most effective to give a clearer picture of the results.</li> <li>- <b>Implications for Practice:</b> Briefly highlight specific recommendations for educators and policymakers, which would underscore the practical applications of the research.</li> <li>- <b>Broaden Impact:</b> Mention the broader significance of the findings in terms of fostering a more inclusive tech industry, which would add context to the importance of the study.</li> </ul>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<ul style="list-style-type: none"> <li>- Yes, the subsections and structure of the manuscript are appropriate. The organization is clear and logical, guiding the reader through the introduction of the topic, historical perspectives, existing challenges, pedagogical approaches, and outreach programs.</li> <li>- Each subsection builds on the previous one, providing a comprehensive understanding of the barriers to inclusivity in computer science and the strategies to address them. This structured approach effectively highlights the significance of the study and facilitates a smooth flow of information. Overall, the manuscript's organization enhances its readability and scholarly impact.</li> <li>- while the discussion and conclusion sections effectively address the findings and provide actionable insights, adding more detailed connections to existing research, offering concrete examples, and expanding the scope of recommendations would further enhance their impact.</li> </ul>	
<p><b>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</b></p>	<ul style="list-style-type: none"> <li>- This manuscript demonstrates scientific robustness and technical soundness through its thorough literature review and the incorporation of diverse methodologies.</li> <li>- The mixed-methods approach, which includes surveys, interviews, and case studies, allows for a comprehensive analysis of the complexities surrounding computer science education and its accessibility.</li> <li>- The manuscript is grounded in well-established theories and evidence-based practices, ensuring that the proposed strategies are not only innovative but also backed by empirical research.</li> </ul>	

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	<ul style="list-style-type: none"> <li>- Furthermore, the discussion of historical perspectives, barriers, and pedagogical approaches is informed by current data and studies, highlighting the manuscript's commitment to advancing the discourse on inclusivity in computer science education.</li> </ul>	
<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b></p> <p>⋮</p>	<p>The references provided in the manuscript cover a wide range of relevant topics, including computer science education, diversity, and stereotypes, with some recent and notable studies. However, there is a need for more up-to-date and comprehensive references to strengthen the manuscript's scientific foundation. While several of the references are recent (e.g., 2023 and 2024), others are somewhat outdated (e.g., 1999, 2007), which may not reflect the latest advancements in the field.</p>	
<p><u>Minor</u> REVISION comments</p> <p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>	<ul style="list-style-type: none"> <li>- The language and English quality of the article are generally suitable for scholarly communication, as the manuscript employs formal academic language and follows a logical structure. However, there may be areas where the clarity of sentences or grammatical accuracy can be improved. Ensuring that the article maintains a professional tone, avoiding colloquialisms, and improving sentence flow could further enhance readability.</li> <li>- I would recommend a thorough proofreading or editing pass to address any minor issues related to sentence structure, verb tense consistency, or punctuation, ensuring that the article meets the highest standards of scholarly writing.</li> </ul>	
<p><u>Optional/General</u> comments</p>	<ul style="list-style-type: none"> <li>- The ethical considerations outlined in the study are commendable and align with standard research ethics. Obtaining informed consent, maintaining confidentiality by anonymizing data, and ensuring secure data storage are crucial steps to protect participants' rights and privacy. Furthermore, the mitigation of potential biases, such as selection bias, demonstrates a commitment to research integrity.</li> <li>- However, it may be beneficial to elaborate on how informed consent was obtained (e.g., written or verbal), the specific measures taken to secure the data, and any ethical approvals (e.g., from an institutional review board or ethics committee) that were obtained prior to conducting the study. This additional detail would further strengthen the manuscript's transparency and adherence to ethical guidelines.</li> </ul>	

**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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>Are there ethical issues in this manuscript?</b></p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

**Reviewer Details:**

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