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REVIEWER'S REPORT

Manuscript No.: IJAR-55429

Title: Feasibility of a Real-Time Mobile Emotion Recognition System for Children

Recommendation:
Accept as it is .....
Accept after minor revision.....yes.....
Accept after major revision .....
Do not accept (*Reasons below*).....

Rating	Excel.	Good	Fair	Poor
Originality		-		
Techn. Quality		-		
Clarity		-		
Significance			-	

Reviewer Name: Dr Joseph

Detailed Reviewer'sReport

The submitted manuscript, *"Feasibility of a Real-Time Mobile Emotion Recognition System for Children,"* explores the practical development of a mobile-based facial emotion recognition framework with a dedicated focus on children. The topic is both relevant and socially important, as existing FER systems are largely designed around adult facial data and often fail to account for the dynamic and evolving nature of children's emotional expressions. The authors clearly establish this research gap and provide a convincing justification for undertaking a child-oriented feasibility study. Ethical considerations, particularly those related to privacy and non-retention of facial data, are appropriately emphasized and strengthen the credibility of the work.

From a technical standpoint, the study adopts a sound experimental approach by implementing and comparing three established deep learning architectures DenseNet-201, ResNet-101, and Inception-V3. The process of model training, evaluation, and selection is clearly described, and the choice of DenseNet-201 as the final model is supported by comparative accuracy results. The system implementation using a cross-platform mobile framework demonstrates practical applicability, while the inclusion of user acceptance testing provides useful insight into usability, interface design, and perceived usefulness of the application in real-world settings. The discussion section reflects a thoughtful understanding of the challenges involved in deploying deep learning models on mobile devices, particularly issues related to computational load, latency, and energy consumption.

Despite these strengths, some limitations deserve further clarification. The achieved accuracy, although acceptable for a feasibility study, remains moderate and would benefit from a deeper examination of how the use of a mixed-age dataset may have influenced performance for child-specific emotion recognition.

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Additionally, the narrowing of the system's scope from seven emotions to three, while technically motivated, should be more explicitly aligned with the study's original objectives. Minor revisions related to language consistency, figure presentation, and clarity of explanation would further improve the overall quality and readability of the manuscript.