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| Journal Name: | [**Asian Journal of Research in Computer Science**](https://journalajrcos.com/index.php/AJRCOS) |
| Manuscript Number: | **Ms\_AJRCOS\_134294** |
| Title of the Manuscript: | EngageNet: A Model for Evaluating Student Engagement through Facial Expression and Behavior Analysis |
| Type of the Article | **Original Research Article** |

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | **This manuscript presents a novel approach, EngageNet, to evaluate student engagement in online learning environments using facial expression and behavioral analysis. The study integrates deep learning models and real-time video analysis to assess emotional and attentiveness cues. This interdisciplinary work addresses a timely and relevant issue in online education and offers a lightweight solution using landmark-based emotion recognition. The study also contributes valuable datasets and an explainable model architecture, which are crucial for further research in affective computing and EdTech.** | Thanks |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes, the title is appropriate and reflects the core content and methodology of the paper.** | Ok |
| 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. | **Yes, the abstract is detailed and includes the background, methodology, results, and implications.**  **Suggested Improvement:**  **Include model accuracy and main evaluation results in one concise sentence toward the end for better impact.**  **Consider clarifying what makes the approach novel compared to existing methods.** | Noted |
| Is the manuscript scientifically, correct? Please write here. | **The manuscript is scientifically correct, comprehensive, and methodologically sound. The experimental setup is well described, and results are clearly reported with evaluation metrics such as accuracy, precision, recall, and F1-score. The architecture and training of models, particularly LaCER, are well explained.** | Thanks |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | Yes, references are recent and relevant, covering both foundational and state-of-the-art studies.  Suggested additions:  Consider referencing more studies on real-time deployment of facial recognition in online classrooms, if available.  A citation or brief mention on ethical implications in AI use in education could strengthen the discussion. | Yes |
| Is the language/English quality of the article suitable for scholarly communications? | Mostly suitable.  Suggestions:  Minor grammatical corrections are needed (e.g., subject-verb agreement, missing articles).  Some terminology (e.g., “Normally Engagement” should be “Normal Engagement”) should be revised.  Clarity and conciseness can be improved in certain sections (especially mathematical expressions and experimental design). | I’ve corrected minor grammatical, terminology, misspelled words. |
| Optional/General comments | * **Very comprehensive and systematic approach with a clear implementation pipeline.** * **The dataset constructed is valuable and should be considered for public release.** * **The integration of landmark-based LaCER with behavior prediction is a unique contribution.** |  |

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| **PART 2:** | | |
|  | Reviewer’s comment | Author’s comment *(if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in detail)* |  |