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8th International Conference on Smart Computing and Informatics : Submission (476) has been created.

1 message

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Fri, Mar 13, 2026 at 7:00 PM

Hello,

The following submission has been created.

Track Name: SCI2026

Paper ID: 476

Paper Title: Smart Computing Framework for Multimodal Presentation Skill Assessment with Privacy Preservation and Rubric Scoring for Higher Education Students

Abstract:

Assessing presentation skills also requires using advanced technology to facilitate transformation. This research introduces a smart computing framework for evaluating university students' presentation skills in Thailand across multiple video modalities, emphasizing privacy and rubric-based scoring. Traditional methods face challenges like reliance on experts, high resource demands, and inconsistency. The framework covers video collection, data processing, speaker tracking, audio enhancement, and the extraction of 3D features such as body language, gestures, facial expressions, eye contact, speech, and voice qualities. These are converted into metrics aligned with rubric, and results are shown on a dashboard that displays scores, trends, and recommendations. An IOC assessment by seven experts scored between 0.71 and 1.00, while 20 users rated satisfaction at 4.33/4.33 with a 0.72 SD, indicating strong approval. Findings show that this framework can support the development of presentation skills; future work should focus on real-world testing and personalized feedback to complement instructors.

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Secondary Subject Areas: Not Entered

Submission Files:

a.pdf (402 Kb, Fri, 13 Mar 2026 12:00:16 GMT)

Submission Questions Response: Not Entered

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