Review of: "Analyzing Students' Perceptions of Collaborative Tools for Automated Assessment of Programming Assignments in Distance Education"

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The paper discusses an experiment on the integration of collaborative tools, specifically an adaptation of Mattermost combined with DSLab, in an e-learning environment for higher education. The study's objective was to examine how this integration impacts students' academic performance, focusing on enabling improved collaboration and interaction among students and between students and teachers. The experiment involved 271 computer and telecommunication engineering students and yielded positive outcomes in terms of academic performance improvements and enhanced emotional states like motivation and self-learning among students.

The paper is fairly easy to read and understand, and the results are interesting. The literature review provides a good overview of the background.
In my opinion, Figures 1, 2, and 7 (presented as a table) need to be improved because they have low quality. It would be interesting to see if similar results can be obtained in other departments/subjects. Overall, I think the work can be taken into consideration.