



GIREP-EPEC

Transforming physics learning via Research & Practice
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Digital Peer-Evaluation in Project-Based Learning: A BuddyCheck Case Study in BSc Electrical Engineering

Friday 4 July 2025 13:40 (20 minutes)

This study examines BuddyCheck's use for peer-evaluation in two project-based BSc electrical engineering courses at TU Delft from 2022 to 2025. We analyse students' academic performance and peer-evaluation results to identify factors critical to their success. Our analysis includes high school and university grades, along with demographic information. BuddyCheck also enables students to self-evaluate, providing insights into their self-efficacy. This research demonstrates how digital tools like BuddyCheck can enhance educational outcomes by improving collaborative learning environments and developing tailored interventions.

Education level

All ages

Physics topic

Other

Research focus

Other

Research method

Mixed method (qualitative & quantitative)

Organizing preference criteria

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Session Classification: Parallel oral presentations

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