

GPT-4-Powered Formative Feedback for Large Accounting Classes

AI in Education · Good practice · South Africa

Quality score: 40/100

Evidence strength: Descriptive / self-reported

Summary

Pretoria accounting lecturers built a GPT-4 web tool giving essay-question feedback engineered around Nicol & Macfarlane-Dick's principles. A study of 75 scripts across five assessments over two years checked how well AI feedback matched those principles.

Key dimensions

Dimension	Score
Evidence of learning impact	1/3
Equity & inclusion	1/3
Transparency, ethics & data protection	2/3
Teacher capability & pedagogy	2/3
Scalability & sustainability	0/3

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-07-31

[University of Pretoria, Department of Accounting](#) — accessed 2026-07-31

[Taylor & Francis — Exploring the use of AI in the delivery of effective feedback](#) — accessed 2026-07-31

[University of Pretoria repository — full text](#) — accessed 2026-07-31

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