

AI-Generated Feedback

Category: Artificial Intelligence in Education

AI-generated feedback is evaluative or developmental commentary produced by an artificial intelligence system in response to learner work. Generative AI may explain strengths, identify possible gaps, ask reflective questions or suggest revisions, usually in natural language.

The term identifies the origin of the feedback rather than guaranteeing its quality. Effective feedback must relate to clear goals, be understandable and support a feasible next action; generated comments also require scrutiny for accuracy, bias and alignment with assessment rules ([Escalante et al., 2023](#)).

Quality Criteria

1. **Grounded:** Base comments on the submitted work, stated criteria and relevant disciplinary knowledge.
2. **Accurate:** Check claims, quoted material and interpretations before learners act on them.
3. **Actionable:** Identify a manageable next step instead of offering generic praise or correction.
4. **Proportionate:** Match detail and tone to the learner, task stage and educational purpose.
5. **Dialogic:** Allow learners to question, interpret and use feedback rather than receive it passively.

Examples in Practice

A writing tutor may configure AI to comment on the clarity of one draft paragraph against a rubric. The student compares the comments with the paragraph, rejects an incorrect interpretation and revises one claim. A tutor reviews disputed advice and the student decides how the argument develops.

Why It Matters

AI-generated feedback can increase immediacy and opportunities for revision, particularly before formal submission. Its fluency may also create unwarranted trust, so it should complement rather than silently imitate authoritative human judgement in consequential contexts. Learner feedback literacy across successive drafts remains as important as system capability ([Lee & Moore, 2024](#)).

Further Reading

6. Escalante, J., Pack, A., & Barrett, A. (2023). [AI-generated feedback on writing](#). International Journal of Educational Technology in Higher Education, 20, 57.
7. Lee, S. S., & Moore, R. L. (2024). [Harnessing generative AI for automated feedback in higher education](#). Online Learning, 28(3), 82–106.
8. Hattie, J., & Timperley, H. (2007). [The power of feedback](#). Review of Educational Research, 77, 81–112.

Related Terms: Automated Feedback | Formative Assessment | Feedback Literacy | Generative AI Literacy