

Academic Quality assurance Potential of A.I

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Using one word how do you feel about AI

Nobody has responded yet.

Hang tight! Responses are coming in.



What do Academics bring in the mix that A.I CAN NOT and WILL NOT be able to bring to student learning?

Nobody has responded yet.

Hang tight! Responses are coming in.



1. Automated Data Analysis and Reporting

- Trend Analysis
- Automated Reporting

2. Intelligent Content Review and Assessment

- Curriculum Review
- Plagiarism Detection

3. Personalized Student Feedback and Engagement

- Adaptive Learning Analytics
- Student Feedback Analysis

4. Continuous Monitoring of Educational Standards

- Real-Time QA Tracking: (dashboards)
- Accreditation Compliance

5. Enhanced Peer Review and Publication Quality

- Manuscript Screening
- Bias Detection in peer reviews

6. Resource Optimization and Strategic Planning

- Faculty Performance Evaluation: AI tools can a
- Predictive Analytics for Enrollment and Retention

7. Bias and Diversity Monitoring

- Bias Detection in Content and Assessment
- Inclusivity Analysis:

8. Enhanced Academic Integrity Monitoring

- Cheating Detection
- Integrity and Authenticity Verification

Consistency & Routine elimination

Customisation

Predictive analytics

Thank you

Simplifying and systematising educational quality assurance – the potential of technology and AI

Our session will run for 90 minutes and be divided into three (3) sections of 30 minutes each:

1. 30 minutes of discussion between the panellists, sharing their insights and expertise around the panel theme.
2. 30 minutes of roundtable discussion by the delegates, centred on discussion question/s posed by the panel. The Chair and panellists may wish to join the delegates at the tables to participate in these discussions.
3. 30 minutes of synthesis, wherein each table briefly shares the key points of their discussion with the wider group, and discussion/questions is facilitated between delegates and panellists.

AI holds significant potential to transform academic quality assurance (QA) by enhancing the rigor, efficiency, and accessibility of evaluation processes. Let's look at how AI can support various academic QA functions:

1. Automated Data Analysis and Reporting

- **Trend Analysis:** AI can analyze vast amounts of data related to student performance, faculty feedback, course content effectiveness, and other factors to identify trends that may affect educational quality. These insights can help institutions make data-driven decisions to enhance learning outcomes.
- **Automated Reporting:** AI can generate reports on quality metrics, reducing the administrative burden on QA personnel and allowing more time for strategic planning. Automation can also increase report accuracy and standardization across departments.

2. Intelligent Content Review and Assessment

- **Curriculum Review:** AI tools can scan course syllabi, textbooks, and materials to ensure they align with accreditation standards and learning objectives. By analyzing the alignment of course content with these benchmarks, AI can highlight areas needing improvement.
- **Plagiarism Detection and Beyond:** AI-powered plagiarism detectors already assist in maintaining academic integrity. More advanced AI can analyze student assignments and exams for originality and complexity, helping assess content quality and alignment with educational goals.

3. Personalized Student Feedback and Engagement

- **Adaptive Learning Analytics:** AI can personalize learning by analyzing student performance in real-time, recommending specific learning resources to address individual needs, and flagging at-risk students. Such personalized guidance can improve overall academic success and, by extension, the quality of education offered.
- **Student Feedback Analysis:** Using natural language processing (NLP), AI can analyze student feedback to detect patterns and sentiments related to course quality, teaching effectiveness, and areas for improvement. This enables more timely and accurate responses to student needs.

4. Continuous Monitoring of Educational Standards