

RUN LEARNING AND TEACHING AWARDS 2025

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Title: GenAI audio podcasts: delivering educational content creatively

Abstract: Artificial Intelligence (AI) is transforming the way students learn, offering new opportunities for equity, accessibility, and creativity in higher education. This project pioneered the use of AI-generated podcasts as mobile learning resources in three Bachelor of Engineering units at CQUniversity. By applying a source-grounding technique, the podcasts were free from common AI hallucinations and ensured academic integrity. An innovative integration of Spotify with the University's learning management system provided students with seamless, on-demand mobile access. Results were striking with 80% of students engaged with the podcasts via their phones, demonstrating genuine mobile learning in practice. Higher podcast consumption correlated with stronger academic performance, and student feedback highlighted increased creativity and innovation fostered through this mode of learning. This project showcases a scalable and sustainable model for embedding AI in engineering education, positioning mobile AI podcasts as a transformative tool for the future of student learning.