

Chapter 14

Transforming Assessments With Generative AI

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ABSTRACT

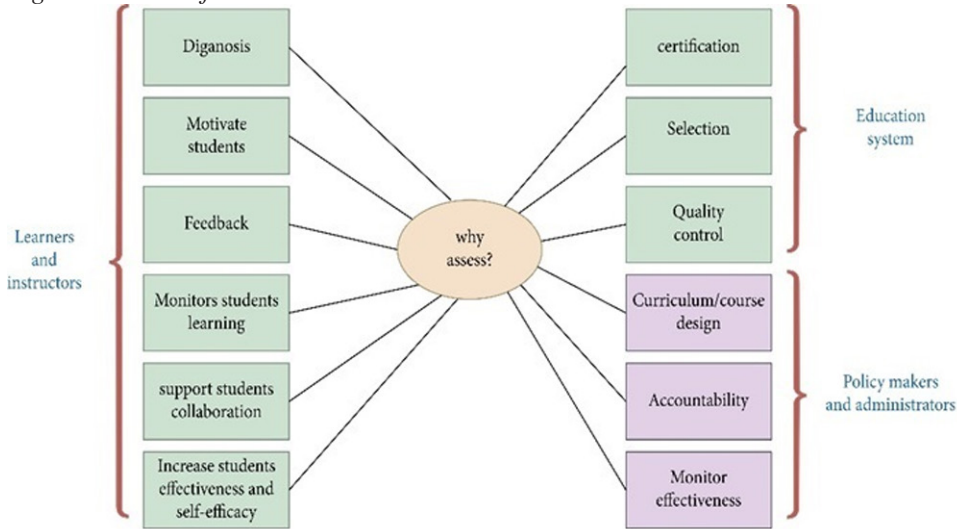
The potential of generative AI is evident in every field of life and education is also experiencing a paradigm shift. Generative AI is opening new ways of assessment and the tools that can create engaging and innovative contents. Through the promotion of adaptation and customization, generative AI is positioned to bring about a significant transformation in the educational process. This chapter sheds light on the significance of generative AI in assessment of higher education. It offers valuable insights into the possibilities for change and improvement in the field of educational evaluations, indicating its capacity to revolutionize the future of education.

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1. INTRODUCTION

Assessment takes a critical position in a learning process, providing a signal to both the learners and teachers about the success of a learning process, therefore it should be properly integrated with pedagogy. Assessments if designed and implemented as per needs of the learners and the curriculum, result into effective outcomes in the form of creative and efficient learners. This effectiveness is highly related to the extent to which teachers analyze what the learner is going to be after taking an assessment. Figure 1 highlights the need of assessment for various stakeholders; in higher education the need of assessment is not limited to teachers and learners, but it is also equally important for other stakeholders including policy makers, administrators, and overall education system.

Figure 1. Need of Assessment



Source: (Hooda, Rana, Dahiya, Rizwan, & Hossain, 2022)

The changing dynamics of current era with the inclusion of artificial intelligence in every field of life has revolutionized the education sector and the process of learning as well. Education is experiencing a transformative change with the addition of artificial intelligence (AI) where the most significant area which offers opportunities of improvement for the educators and learners is “assessment”(Cope, Kalantzis, & Sears, 2021; Swiecki et al., 2022). The integration of artificial intelligence (AI), specifically Generative AI (GenAI), into assessment practices is causing a significant transformation in the field of education. As we grapple with the intricacies of the contemporary educational landscape in the 21st century, the

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