

Adaptive Learning Technologies for Higher Education: Exploring the Use of Interactive Online Learning Platforms for Higher Education

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Abstract

The integration of adaptive learning technologies, particularly interactive online learning platforms, is transforming higher education to meet the demands of a digital age and socioeconomic challenges. These platforms foster active participation, critical thinking, and problem-solving skills, facilitating communication, collaboration, and information sharing across geographical boundaries. They enrich the learning experience, offering real-time interaction. E-learning platforms are notable for their adaptability and features, but challenges such as technological barriers and pedagogical concerns persist. The chapter discusses constructivism learning theory, focusing on interactive online learning platforms like Moodle, Google Classroom, Google Meet, Microsoft Teams, and Blackboard. It explores interactions, methods, challenges, and prospects, benefiting students, educators, researchers, business communities, and policymakers.