

The Role of Educational Technology in Transforming Knowledge Delivery within Kenyan Higher Learning Institutions

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Abstract: *The rapid rise of educational technology has profoundly reshaped the methods of knowledge delivery across the global learning environments, and Kenyan institutions are not left behind. The study explores the role that could be played by institutional infrastructure, culture, faculty and students in the adoption of education technology with the help of digital tools and e-learning platforms in transforming traditional teaching and learning practices within Kenya's diverse educational landscape. The study adopted a descriptive research design. It employed a structured questionnaire to collect primary data from the respondents of higher learning institutions for the analysis. The analysis and testing of the hypothesis were done with the help of descriptive statistics, coefficient of correlation and multiple regression analysis. The findings reveal that the majority of respondents agree on the EdTech adoption though they feel that the existing infrastructure and enabling environment is not fostering accessibility and reliability of the technology. There is a strong relationship between institutional infrastructure, culture, faculty and students towards adoption. This could be an overall indication of significant impact on EdTech adoption despite lack of appropriate infrastructure facilities and an enabling environment. The study recommends institutions to improve in digital infrastructures, invest in professional development, technology adoption strategies alignment with national education policies and encourage stakeholder's collaboration to ensure seamless accessibility and reliability of the technology in Kenya.*

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