



Preserving Digital Cultural Heritage in Resource-Limited Environments: A Survey from Tanzania

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Abstract

In recent years, digital cultural heritage has become increasingly important for preserving traditional knowledge and practices in resource-limited environments such as Tanzania. However, challenges related to access, maintenance, and preservation of digital resources continue to hinder their effective use. The study employed a structured questionnaire distributed among community leaders, educators, and local government officials across different regions of Tanzania. Data collection was conducted via email and online platforms to ensure broad participation. A significant direction identified is the need for culturally tailored digital preservation strategies that incorporate indigenous knowledge systems, while a notable proportion (60%) reported challenges in accessing reliable internet connectivity. This survey highlights critical areas requiring attention to enhance the sustainability and efficacy of digital cultural heritage initiatives in Tanzania. Recommendations focus on fostering community ownership, leveraging local resources, and strengthening partnerships between institutions. Stakeholders are advised to invest in infrastructure improvements, develop localized content creation tools, and establish collaborative networks that bridge technology gaps with traditional knowledge preservation efforts.

Keywords: *Sub-Saharan, GIS, ethnography, ICT, sustainability, accessibility, digitization*

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