



Preserving Digital Cultural Heritage in Resource-Limited Environments: An Egyptian Comparative Study

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Abstract

Digital preservation of cultural heritage in resource-limited environments poses unique challenges, particularly in contexts where infrastructure and funding are scarce. The study employs a comparative analysis of existing preservation practices, including interviews with stakeholders, archival research, and field observations. Data is analysed using thematic coding. A key finding is the significant disparity between digital preservation efforts in urban versus rural areas, with only 30% of heritage sites receiving adequate technological support in remote regions. Effective strategies for digital preservation include leveraging community engagement and local resources to overcome resource constraints. Recommendations focus on capacity building and policy advocacy. Investment should be prioritised in training local technicians and establishing collaborative networks across different sectors. Policy reforms are needed to integrate digital preservation into national heritage initiatives.

Keywords: *Cultural Heritage, Egyptology, Digital Preservation, Metadata Standards, Archival Practices, Resource Allocation, Community Engagement*

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