

Bringing the digital library success factors into the realm of the technology-organization-environment framework

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Feria Wirba Singeh (Department of Library and Information Science, Faculty of Computer Science and Information Technology, University of Malaya, Kuala Lumpur, Malaysia)

A. Abrizah (Department of Library and Information Science, Faculty of Computer Science and Information Technology, University of Malaya, Kuala Lumpur, Malaysia)

K. Kiran (Department of Library and Information Science, Faculty of Computer Science and Information Technology, University of Malaya, Kuala Lumpur, Malaysia)

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Abstract

Purpose

The purpose of this paper is to describe a new benchmarking framework on the factors that influence digital library (DL) adoption by aligning them with the constructs of DL models to establish the likely critical success factors (CSFs) for DL implementation.

Design/methodology/approach

Concept mapping is used to illustrate the relationship between the information systems success model and DL frameworks. Technology organisation and environment (TOE) framework was chosen as the central theme and was mapped with the three DL frameworks reviewed (5S framework; the Zachman Framework for Enterprise Architecture and the DELOS DL reference model) to come up with the likely success dimensions for DLs. A set of possible success factors was assembled from the literature on previous studies relating to factors that are critical to the success of information systems and DLs. The description of each DL potential success factors was finally developed as an item statement with verification from the literature review.

Findings

A total of 53 success factors items were assembled from literature represented by the final ten constructs of the CSFs; 16 items characterise DL technology, 13 items denote DL organisation and 24 items symbolise DL environment. Findings show that these factors may be good determinants for an effective implementation of DLs.

Research limitations/implications

The outcome can positively influence the implementation of DLs worldwide.

Originality/value

This is the first study in library science that incorporates TOE with DL frameworks to come up with the success factors of DL implementation.

Keywords

Digital libraries

Critical success factors

Information systems success model

Digital library frameworks

Digital library implementation

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Digital transformations are even more difficult than traditional change efforts to pull off. But the results from the most effective transformations point to five factors for success. But the results from the most effective transformations point to five factors for success. DOWNLOADS. Open interactive popup. Article (PDF-1MB). 4 4. The survey asked which of the following roles were engaged by the organization to support the execution of the digital transformation: initiative leaders, integrator roles, leaders of the program-management or transformation office, technology-innovation managers, chief digital officers, and coaches. PDF | This chapter describes the Technology–Organization–Environment (TOE) framework. It begins by presenting a description of the TOE framework and its | Find, read and cite all the research you need on ResearchGate. To this point, the majority of the theoretical development that has taken place related. to the TOE framework has been limited to enumerating the different factors that are. relevant in various adoption contexts. No new constructs have been added to the. Micro Environment Factors. Suppliers: Suppliers can control the success of the business when they hold power. The supplier holds the power when they are the only or the largest supplier of their goods; the buyer is not vital to the supplier's business; the supplier's product is a core part of the buyer's finished product and/or business. Macro Environment Factors. Demographic forces: Different market segments are typically impacted by common demographic forces, including country/region; age; ethnicity; education level; household lifestyle; cultural characteristics and movements. Political and legal forces: Sound marketing decisions should always take into account political and/or legal developments relating to the organisation and its markets.