

Impact of Management Status, Gender, and Level of Project Involvement on Corporate Governance in a Role-based Enterprise Portal Environment

Researcher: Daniel Augusto Pereira Brás Sequeira

Thesis Advisor: Dr. Bih-Ru Lea (leabi@mst.edu)

Thesis Committee: Dr. Wen-Bin Yu, Dr. Craig Claybaugh

Business and Information Technology Department

Missouri University of Science and Technology, Rolla, MO 65409

ABSTRACT

The underlying objective of this research project is to investigate the impact of management status, gender, and level of project involvement on corporate governance in a role-based enterprise portal environment. This is achieved through a case study which included the development of a role-based enterprise portal site prototype assessed through surveys targeted at different stakeholders at the case company. Six hypotheses were formulated addressing the core research question. The outcomes of the hypotheses testing suggest employees' perceptions of role-based enterprise portal's effectiveness, usability, and corporate identity design are, in general, not influenced by the employees' management role, gender, and project involvement. This is an important statement regarding portal content development, in the sense that it encourages stakeholders and developers to refocus their attention on a number of other aspects such as company mission, vision, strategy, and objective awareness, increased role-aware content deployment, among others. Survey data further suggests that observing the aforementioned considerations is likely to foster end-user adoption.

A look at aggregated project data (such as a comparison between the content at the requirement elicitation and final prototype stages and time breakdown per project initiative) supports the adequacy of the chosen requirement gathering (free listing, card sorting, and joint application development sessions) and software development (rapid application development) methodologies for Web development projects of similar nature. The results also suggest that companies' organizational charts are likely to play an important role in determining the taxonomy of role-based enterprise portal designs. Finally, this study identifies factors favoring the deployment of role-based content.