A Novel Methodology for the Impact Measurement of Reengineering Risk in Infrastructure and Stakeholder Segment of Legacy System

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Abstract

Successful reengineering effort requires identifying and measuring impact of various risk components of legacy system. Risk identification and measurement process involve a clear understanding of various legacy system segments in accordance with requirements of target system. In this paper we pay attention to infrastructure and stakeholder segment of legacy system. We identify and measure impact of different risk components related to infrastructure and stakeholder segment of legacy system. In infrastructure segment we cover risk components and affecting factors associated with system development & deployment process of organization and its available resources. In the stakeholder’s segment we addresses risk components and affecting factors related to personal and professional attributes of stakeholders involve in reengineering process of legacy system. Finally, we contribute to analyze the cause-effect relationship between the reengineering process and existing state of legacy system in accordance with requirements of target system.

References


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**Index Terms**

Computer Science

Information Sciences
Keywords
Reengineering  Risk  Legacy system  Risk measurement  Organization