Flexibility Analysis in Business Process Reengineering with Theory of Constraint using Intelligent Dynamic Workflow System

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Abstract

IT enabled organizations strive for overall improvement in performance with the use of tools capable of forecasting the stability and growth as well as failure. This paper contributes by introducing a technique and a model in Business process reengineering with Theory of constraints using dynamic workflow system enhanced with artificial intelligent agents to observe the impact of flexibility on the performance of the organization. The paper also presents a model that has been verified by a developed tool which majorly deals with runtime change management capable of dealing with flexibility by change in workflow system in the domain of Human resource management.

References

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**Index Terms**

Computer Science  
Intelligent Systems

**Keywords**

Workflow  
Business Process Engineering  
Flexibility  
change management  
Intelligent agent