8-5-2011

System Dynamics Model of Knowledge Acquisition via E-Learning of SNS Oriented Knowledge Community in Enterprise

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ABSTRACT

To explore the dynamics mechanism for knowledge acquisition via E-Learning of SNS (Social Network Service) knowledge community in enterprise, so that strategy for knowledge community management can be proposed accordingly. Firstly, elements of knowledge acquisition via E-Learning in knowledge community are analyzed. Secondly, causal loop diagrams are made to make system analysis. Thirdly system dynamics model is established to describe development and changes of knowledge acquisition by system dynamics modeling tools. Then sensitivity analysis is made to explore the influences of parameters including, network size, E-Learning experience, knowledge demand and knowledge acquisition cost. By using system dynamics and sensitivity analysis, we can exploit the dynamic mechanism of knowledge acquisition via E-Learning of SNS oriented knowledge community in enterprise.

KEYWORDS

SNS, Knowledge Community, E-Learning, System Dynamics, Knowledge Acquisition