Organizational factors, perceived acceptance and behavioral intention as dimensions of knowledge management readiness (Conference Paper)

Mohamed Razi, M.J. a  Abdulkarim, N.S. b  Mohamed, N. c

aDepartment of Information Systems, International Islamic University Malaysia (IIUM), Kuala Lumpur, Malaysia
bFaculty of Computer and Information Science, Prince Sultan University, Saudi Arabia
cCollege of Business Administration, Prince Sultan University, Saudi Arabia

Abstract

The concept of organizational readiness for knowledge management (KM) has been studied extensively from different perspectives in the recent past. KM supportive organizational factors such as KM oriented organizational culture, organizational structure and information technology infrastructures, and factors of individual acceptances are believed to be the predictors of KM readiness. However, the nature of those factors arguably suggests that they may not merely the predictors; rather they can be the dimensions of KM readiness. This work tries to verify this hypothesis. For this purpose, a questionnaire was formulated based on established measures, and administered using survey research methodology approach on 313 executives working in the selected organizations in the Sri Lankan telecommunication industry. The first order measurement model using AMOS version 16 was used to validate the measurement employed. Subsequently, a second order analysis was performed to test the hypothesis. Findings shows that all model fit indices are good and all the structural coefficients are significant, thus, the model fit to the data. Therefore, the current work proposes that the KM oriented organizational factors, individual acceptance and behavioral intentions should be considered as the dimensions of KM readiness. © 2014 IEEE.

Author keywords

Behavioral intentions  KM Readiness  Knowledge Management  Perceived Acceptance  SECI  SEM  Survey

Indexed keywords

Engineering controlled terms:  Scanning electron microscopy  Surveying  Surveys  Telecommunication industry

Cited by 1 document

The influence of knowledge management tools utilization towards knowledge management readiness

Inform me when this document is cited in Scopus:
Set citation alert  Set citation feed

Related documents

A holistic approach to measure organizational readiness for knowledge management

Measuring employee readiness for knowledge management using intention to be involved with KM SECI processes
Karim, N.S.A. , Razi, M.J.M. , Mohamed, N.
Behavioral intention
Information technology infrastructure
KM Readiness
Organizational cultures
Organizational readiness
Organizational structures
Percieved Acceptance
SECI

Engineering main heading: Knowledge management

ISBN: 978-147996242-6
Source Type: Conference Proceeding
Original language: English
DOI: 10.1109/ICT4M.2014.7020592
Document Type: Conference Paper
Sponsors:
Publisher: Institute of Electrical and Electronics Engineers Inc.

References (39)

1. Bozbura, F.T.
   Knowledge management practices in Turkish SMEs
   doi: 10.1108/17410390710725788
   View at Publisher

2. Sadeghi, M.R., Moghimi, S.M., Ramezan, M.
   Identifying and prioritizing of effective constructs in readiness of knowledge management implementation
   by using fuzzy analytic hierarchy process (AHP)

   Influencial factors of km process adoption: A social-technological based approach

4. Siemieniuch, C.E., Sinclair, M.A.
   A framework for organisational readiness for knowledge management
   http://www.emeraldinsight.com/journals.htm?issn=0144-3577
   doi: 10.1108/01443570410511004
   View at Publisher

https://www.scopus.com/record/display.uri?eid=2-s2.0-84946688517&origin=resultslist&sort=plf-f&src=s&st1=Organizational+factors%2c+perceived+a
5 Holt, D.T., Bartczak, S.E., Clark, S.W., Trent, M.R.
The development of an instrument to measure readiness for knowledge management
doi: 10.1057/palgrave.kmrip.8500132
View at Publisher

6 Shirazi, A., Mortazavi, S., Azad, N.P.
Factors affecting employees’ readiness for knowledge management

7 Rusly, F.H., Corner, J.L., Sun, P.
Positioning change readiness in knowledge management research
doi: 10.1108/13673271211218906
View at Publisher

8 Wei, C.C., Choy, C.S., Yew, W.K.
Is the Malaysian telecommunication industry ready for knowledge management implementation?
doi: 10.1108/13673270910931170
View at Publisher

9 Mamaghani, N.D., Samizadeh, R., Saghafi, F.
Evaluating the readiness of Iranian research centers in knowledge management

10 Jandaghi, E., Jandaghi, G., Irani, H.R., Mousavi, Z.S., Davoodavabi, M.
Ranking the knowledge management enablers based on university academic members, staff and students using ahp method

11 Chow, W.S., Chan, L.S.
Social network, social trust and shared goals in organizational knowledge sharing
doi: 10.1016/j.im.2008.06.007
View at Publisher

12 Bock, G.-W., Zmud, R.W., Kim, Y.-G., Lee, J.-N.
Behavioral intention formation in knowledge sharing: Examining the roles of extrinsic motivators, social-psychological forces, and organizational climate
13  Chen, C.-W., Chang, M.-L., Tseng, C.-P., Chen, B.-C., Chang, Y.Y.-C.  
Critical human factor evaluation of knowledge sharing intention in Taiwanese enterprises  
doi: 10.1002/hfm.20300  
View at Publisher  

14  Hung, S.-W., Cheng, M.-J.  
Are you ready for knowledge sharing? An empirical study of virtual communities  
doi: 10.1016/j.compedu.2012.09.017  
View at Publisher  

15  Hau, Y.S., Kim, B., Lee, H., Kim, Y.-G.  
The effects of individual motivations and social capital on employees’ tacit and explicit knowledge sharing intentions  
doi: 10.1016/j.ijinfomgt.2012.10.009  
View at Publisher  

16  Tamjidyamcholo, A., Bin Baba, M.S., Tamjid, H., Gholipour, R.  
Information security - Professional perceptions of knowledge-sharing intention under self-efficacy, trust, reciprocity, and shared-language  
doi: 10.1016/j.compedu.2013.05.010  
View at Publisher  

17  Jandaghi, E., Jandaghi, G., Irani, H.R., Mousavi, Z.S., Davoodavabi, M.  
Evaluating the readiness of management schools to execute knowledge management  

18  Gold, A.H., Malhotra, A., Segars, A.H.  
Knowledge management: An organizational capabilities perspective  
doi: 10.1080/07421222.2001.11045669  
View at Publisher  

19  Lee, H., Choi, B.  
Knowledge management enablers, processes, and organizational performance: An integrative view and empirical examination  
http://www.tandfonline.com/doi/mmis20  
View at Publisher  

20  Becerra-Fernandez, I., Gonzalez, A., Sabherwal, R.  
21 Yang, C., Chen, L.-C.
Can organizational knowledge capabilities affect knowledge sharing behavior?
doi: 10.1177/0165551506068135

22 Lee, Y.-C., Lee, S.-K.
Capabilities, processes, and performance of knowledge management: A structural
approach
doi: 10.1002/hfm.20065

23 Choi, S.Y., Kang, Y.S., Lee, H.
The effects of socio-technical enablers on knowledge sharing: An exploratory
examination
doi: 10.1177/0165551507087710

24 Fishbein, M., Ajzen, I.
Belief attitude intention and behaviour: An introduction to theory and research
(1975) Addison-Wesley. Cited 4 times.

25 Ajzen, I.
The theory of planned behavior
doi: 10.1016/0749-5978(91)90020-T

26 Davis, F.D.
Perceived usefulness, perceived ease of use, and user acceptance of information
technology

27 Venkatesh, V., Morris, M.G., Davis, G.B., Davis, F.D.
User acceptance of information technology: Toward a unified view

28 Karim, N.S.A., Razi, M.J.M., Mohamed, N.
Measuring employee readiness for knowledge management using intention to be
involved with KM SECI processes
doi: 10.1108/14637151211270153
<table>
<thead>
<tr>
<th>29</th>
<th>Nonaka, I., Byosiere, P., Borucki, C.C., Konno, N.</th>
<th>Organizational knowledge creation theory: A first comprehensive test</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>doi: 10.1016/0969-5931(94)90027-2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>View at Publisher</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>Lin, H.-F.</td>
<td>Knowledge sharing and firm innovation capability: An empirical study</td>
</tr>
<tr>
<td></td>
<td>doi: 10.1108/01437720710735272</td>
<td></td>
</tr>
<tr>
<td></td>
<td>View at Publisher</td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>Choi, B., Lee, H.</td>
<td>Knowledge management strategy and its link to knowledge creation process</td>
</tr>
<tr>
<td></td>
<td>doi: 10.1016/S0957-4174(02)00038-6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>View at Publisher</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>Reychav, I., Weisberg, J.</td>
<td>Bridging intention and behavior of knowledge sharing</td>
</tr>
<tr>
<td></td>
<td>doi: 10.1108/13673271011032418</td>
<td></td>
</tr>
<tr>
<td></td>
<td>View at Publisher</td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>Bagozzi, R.P., Yi, Y.</td>
<td>On the evaluation of structural equation models</td>
</tr>
<tr>
<td></td>
<td>doi: 10.1007/BF02723327</td>
<td></td>
</tr>
<tr>
<td></td>
<td>View at Publisher</td>
<td></td>
</tr>
<tr>
<td></td>
<td>New York NY: Wiley</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pearson Education</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chichester: Wiley</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NJ: Lawrence Erlboum Associates</td>
<td></td>
</tr>
</tbody>
</table>
Tabachnick, B., Fidell, L. 
Boston, Mass: Allyn & Bacon

Byrne, B.M. 
New York NY: Routledge