Modeling the Relationship between Human Intelligence, Knowledge Management Practices, and Innovation Performance

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Abstract

Pioneers in knowledge management (KM) have well articulated the relationship between KM and innovation. In addition, there are many theoretical papers as well as empirical studies that examined the positive relationship between KM and innovation. However, these empirical studies analysed the relationship between KM and innovation at management or organisational level. There is a need to study this relationship at the knowledge workers level to see how they actually influence their organisational KM and innovation. This study aims to analyse the knowledge worker's intelligence, emotional, and spiritual potential towards KM and innovation. Survey questionnaires are used to measure knowledge workers' intelligence quotient (IQ), emotional quotient (EQ), and spiritual quotient (SQ), their KM processes involvement, and perception on their innovation performance. Partial least square (PLS) analysis is used in the analyses to determine the relationship between human intelligence, KM processes and innovation performance. Results indicate that human EQ and SQ influenced KM and innovation but not IQ. © 2015 World Scientific Publishing Co.

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References (27)

Amram, Y., Dryer, D.C.

Cited by 1 document

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doi: 10.1080/09585190500082998

Beccera-Fernandez, I., Sabherwal, R.
New York: M.E. Sharpe Inc

Bradberry, T., Greaves, J.
New York: Simon and Schuster

Chen, C.-J., Huang, J.-W.
Strategic human resource practices and innovation performance - The mediating role of knowledge management capacity

doi: 10.1016/j.jbusres.2007.11.016

Chin, W.W., Newsted, P.R.
Structural equation modeling analysis with small samples using partial least squares
Hoyle, R (ed.) Sage Publications

Cohen, J.
A power primer


Cook, C.R.
Doctor of Education Thesis Montana State University

Gan, G., Ryan, C., Gururajan, R.
The effect of culture on knowledge management practice: A qualitative case study of MSC status companies

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Exploring the relationship between teachers' social intelligence and classroom discipline strategies
December
<table>
<thead>
<tr>
<th>11</th>
<th>Košturiak, J.</th>
<th>Innovations and knowledge management</th>
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<td>View at Publisher</td>
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</tr>
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<th>12</th>
<th>Li, Y.</th>
<th>Study on human resource management innovation based on knowledge management</th>
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<table>
<thead>
<tr>
<th>13</th>
<th>Nonaka, I., Toyama, R., Konno, N.</th>
<th>SECI, Ba and Leadership: A Unified Model of Dynamic Knowledge Creation</th>
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<td></td>
<td>View at Publisher</td>
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<tr>
<th>14</th>
<th>Noordin, M.F.</th>
<th>Wisdom: The missing dimension in information and communication technology (ICT)</th>
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<table>
<thead>
<tr>
<th>15</th>
<th>Noordin, M.F., Othman, R., Zakaria, N.A.</th>
<th>Peopleware &amp; heartware - The philosophy of knowledge management</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>doi: 10.1109/ICRIS.2011.6125675</td>
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<td>McKinney, Texas: The Magni Group Inc</td>
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<th>18</th>
<th>Pauline, D., Gorman, G.</th>
<th>Personal Knowledge Management: Individual, Organizational and Social Perspectives</th>
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<tr>
<td></td>
<td>Farnham Surrey, England: Gower Publishing Limited</td>
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<th>19</th>
<th>Pedak, M.</th>
<th>Potensi SQ EQ &amp; IQ di Sebalik Ayatayat Al-Fatihah</th>
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<tr>
<td></td>
<td>Kuala Lumpur: Casa Delima Sdn. Bhd</td>
<td></td>
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https://www.scopus.com/record/display.uri?eid=2-s2.0-84942596029&origin=resultslist&sort=plf-f&src=s&st1=Modeling+the+relationship+between+hu
20 Rani, A., Abidin, I., Hamid, M.
The impact of spiritual intelligence on work performance: Case studies in government hospitals of east coast of Malaysia
Spring 2013

21 Selman, V., Selman, R.C., Selman, J., Selman, E.
Spiritual-intelligence/-quotient
Third Quarter 2005

22 Sveiby, K.-E.
Available at

23 Tan, C.L., Nasurin, A.M.
The influence of knowledge management effectiveness on administrative innovation among Malaysian manufacturing firms

24 Tasmin, R., Woods, P.C.
Linking knowledge management and innovation: A structural equation modeling approach

25 Verbeke, W.J., Belschak, F.D., Bakker, A.B., Dietz, B.
When intelligence is (Dys)functional for achieving sales performance
doi: 10.1509/jmkg.72.4.44
View at Publisher

26 Von Stumm, S.
Intelligence, gender, and assessment method affect the accuracy of self-estimated intelligence
doi: 10.1111/bjop.12031
View at Publisher

27 Yurdakul, N., Ker-Dincer, M., Akinci Vural, Z.B.
Searching for excellence in educational communication: The role of IQ, EQ and SQ

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