Exploiting Structured Linked Data in Enterprise Knowledge Management Systems:
An Idea Management Case Study

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What is Idea Management?

IdeaStorm
Where Your Ideas Reign

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Sort Ideas By: Popular Ideas Recent Ideas Top Ideas

Comments

Pre-Installed OpenOffice | alternative to MS Works & MS Office
By dhart, Feb 17, 2007

Provide OpenOffice.org for free pre-installation alongside Microsoft Works and Microsoft Office. OpenOffice.org is more capable than Microsoft Works, and a serious competitor to Microsoft Office, at a fraction of the cost (it's free!)

OpenOffice.org can open, create, edit and save Microsoft Word, Excel and PowerPoint files.

Pre-Installed Linux | Ubuntu | Fedora | OpenSUSE | Multi-Boot
By dhart, Feb 16, 2007

Offer the 3 top free Linux versions for free pre-installation on all Dell PCs.

Quality free and open source software drastically lowers the cost of new PCs, and helps prevent software piracy. Encourage OpenOffice.org or Microsoft Office alternatives, or both breeds of...
Idea Management Cycle

1. Clients share their ideas and comments about products.
2. Ideas are submitted and commented via a Web 2.0 portal.
3. Ideas are analyzed by experts to select the best.
4. Products are branded, delivered to clients, and evaluated.
5. Ideas are implemented and turned into products.
Idea Management Problems

[research motivation]

- Information Overflow
- Lots of duplicates, similar ideas etc.
- Lots of simple or obvious input

**Goal:** Seek the solution via application of Semantic Web technologies
Linked Data Scenarios & Metrics

Ontology

Innovation classification

Use Cases

Applications

Evaluations

GIZMO

Semantically Empowered Idea Management
Gi2MO & Linked Data Metrics
Relationships between Idea Management and Enterprise
Enterprise Ontologies
Defining Metrics & Extending the Gi2MO Ontology

- Amount of complaints filled for product evolved from Idea Management
- Amount of similar customer suggestions
- Time beyond deadline that it took to develop a product
- Amount of discussions regarding product documents based on idea
- Amount of issues filed for a product during and after its implementation
Idea Ranking

[demo of ranking ideas based on data from Talent Management]
Idea Ranking

demo of ranking ideas based on data from Talent Management

Idea Ranking Diagram:

- **Ideas**
  - Creator
  - title
  - Category
  - Status
  - Content
  - Opinions
  - Tags

- **Talents**
  - Account
  - Job Title
  - Skills
  - Start Date
  - Activity
    - First Name
    - Last Name
    - Account Name
    - Created
    - Name
    - Level
    - Years Experience
    - Last Used
    - Title
    - Description
    - Created
    - Creator

- Skill Value Calculation:
  - $10 \times Skill$
  - $10 \times Experience$
  - $10 \times Level$
  - Activity
  - $= Skill Value$
# Idea Ranking

[demo of ranking ideas based on data from Talent Management]

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## Idea Analytics - Idea Skill Ranking

<table>
<thead>
<tr>
<th>Ideas</th>
<th>User</th>
<th>Skill's value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Better food in the cafeteria</td>
<td>Sara</td>
<td>29</td>
</tr>
<tr>
<td>English speaking secretary</td>
<td>Hans</td>
<td>15</td>
</tr>
<tr>
<td>Library Card and better access to the library</td>
<td>Margaret</td>
<td>28</td>
</tr>
<tr>
<td>More parking space</td>
<td>Ludvic</td>
<td>19</td>
</tr>
<tr>
<td>More soups!</td>
<td>Margaret</td>
<td>43</td>
</tr>
<tr>
<td>New design for slash DAT</td>
<td>Jeremy</td>
<td>15</td>
</tr>
<tr>
<td>New metro station closer to the school</td>
<td>John</td>
<td>56</td>
</tr>
</tbody>
</table>

Showing 1 to 7 of 7 entries
Idea Analyst
[demo of data analytics and charting]
Idea Analyst

[Demo of data analytics and charting]
Thanks for attention!

Questions?

http://www.gi2mo.org