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A Generic Model of Knowledge Mapping Through Virtual Communities of Practice in Information Science

Abstract

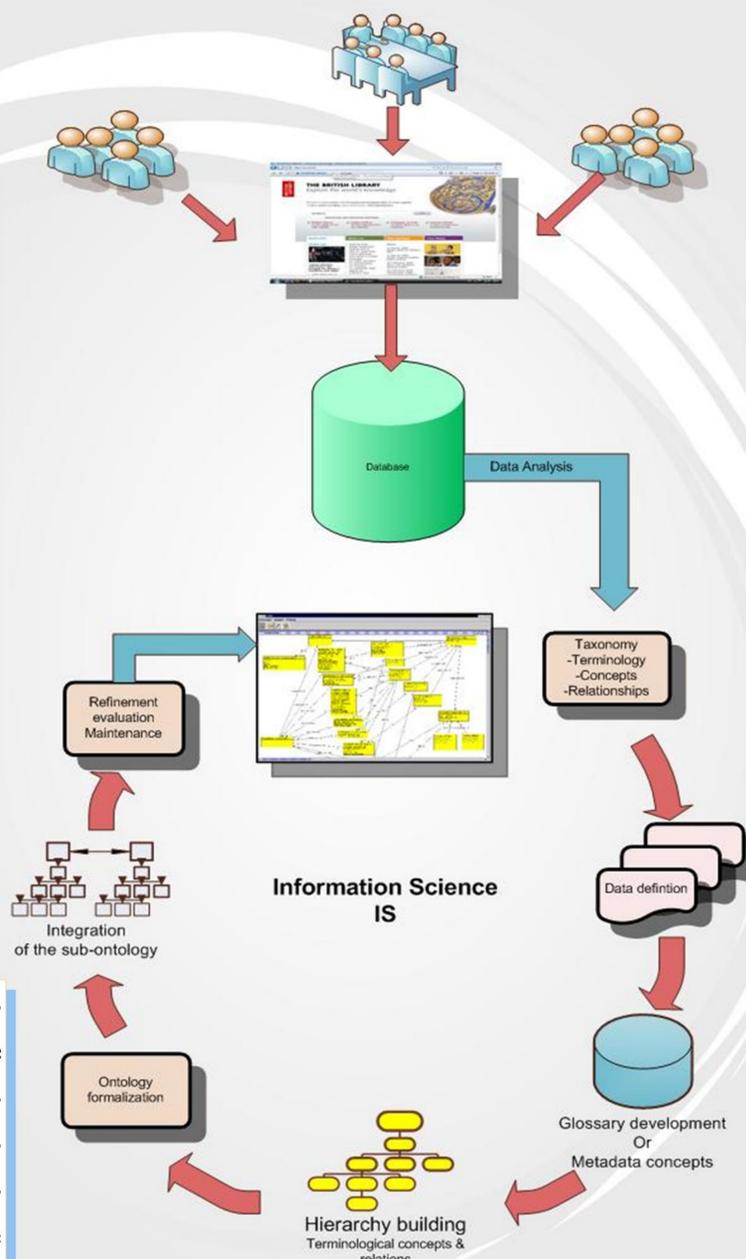
Nowadays, knowledge map has become a crucial tool, to transfer the knowledge into visual map. Knowledge larger resides with people knowledge, consequently, even though many of studies have presented knowledge in a semantic mode there is still gap need to represent knowledge in difference fields. This knowledge capital should be capture in order to extract the great value form it. This study proposes an approach to create knowledge mapping within virtual communities of practice (VCops)in information science (IS).

Aims and Objectives

The aim of the method is to provide a visualisation of area that is shared by members of (VCops). The primary objective of this study is to build ontology of information science (by designing system and testing) to collective knowledge in the field within professionals in large domain to organize, sort, chart the knowledge, to be available for users .

Why Ontology of Information Science

Information science, Informatics, Information processing. The science concerned with gathering, manipulating, storing, retrieving and classifying recorded information. Knowledge mapping is an important issue to get a better understanding from an academic prospective of the nature of the information science, so creating an ontology in the domain it will be provide a positive impact within both knowledge management and information science.



Methodology

Design a system to build ontology through sharing and reusing knowledge between members of cop (virtual Cop in information science domain (IS).

The first step:

- Collecting data about professionals in the domain, to make sure from the potential number of members of Cop, they have willingness to join t5he project.
- Create forum to encourage specialists in IS to share knowledge within the virtual meeting place (forum)to discourse about specific issues in the domain .This step will started from:
- Create website.
- Collect information about specialists in IS to send messages to invite them to help us to build knowledge map in the field.
- Design framework for the forum to explain what am I going to do?
- The knowledge will be collecting in the database (tacit knowledge).From this knowledge which will collect through discussions between members of Cop .And identification what exactly concepts are more important to organize.

The second step:

- Building the ontology to make this knowledge visualization.
- This step will started with :
- Identify goals, strategy and boundary (the information it will be collected from the community itself to build the-saurus ex. structure dictionary).
- Taxonomy of concepts and relationships.
- Data definition
- Glossary development or metadata concepts.
- Hierarchy building. (Identifying the terminological concepts and relations.
- Ontology Formalizations by ontology Editors.
- Integration of the sub-ontology to be in coherent ontology.
- Refinement, evaluation and maintenance.

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