Intelligent Clustering Engine Solution for Desktop Usability

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Abstract

ICE stands for Intelligent Clustering Engine. Term weighted similarity measure algorithm, phrase matching algorithm and Document Index Graph Based Clustering algorithm are the algorithms of the project ‘Intelligent Clustering Engine Solution for Desktop Usability”. The Engine is based on SAGH methodology. SAGH stands for Genetic Analytical System for Grouping Hypertext. The stages in SAGH are pre-processing, matrix formation, vectors, clustering, visualization, and output. Visualization enhancement is one of the Usability characteristic that has been enhanced within the proposed system Intelligent Clustering Engine. The paper focuses upon implementing the document clustering application over desktop to improvise usability.

References

4. Carrot2 Clustering Framework, Authors- Weiss, Poland and Osi´nski, Journal-EKMA, July 2005
6. An Efficient Algorithm for Clustering Search Engine Results, Authors-Zhang, Pang, Xie, and Wu, IEEE 2006
13. A Comparison of Document Clustering Techniques, Authors- Steinbach, Karypis, Kumar, Department of Computer Science and Engineering, University of Minnesota

Index Terms

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