Abstract

WWW has undergone three generations from information web to social web to semantic web. It has started its journey towards the fourth generation which expects wisdom from the web and so termed as the wisdom web. In present era, where computers and internet has become inseparable parts of our life, user wants the Web to sense their requirements and interests and serve the contents accordingly. Search engines play major role in information extraction and delivery and present models of search engines are still struggling for providing personalized information to the users. This work is an extension of authors earlier published article on next generation of WWW where the idea for change in search engine model was coined. In this work author presents knowledge oriented personalized search engine framework which can provide personalized contents to its users. This framework provides a direction for the next generation of WWW and contributes towards wisdom web.

References

- Abraham A. and Ramos V. , 'Web Usage Mining using Artificial Ant Colony Clustering and Genetic Programming'. Published in Proceedings of IEEE Congress on
Evolutionary Computation, Australia, 1384-1391.

- Chauhan N., Sharma A. K., Design of an Agent Based Context Driven Focused Crawler. Published in BVICAM.
- History of WWW, Source: http://www.w3.org/People/Berners-Lee/ShortHistory.html
- Singh A., Agent Based Framework for Semantic Web Content Mining.

- Zhan L. and Zhijing L., 'Web Mining Based on Multi-Agents'. Published in Proceedings of the fifth International Conference on Computational Intelligence and Multimedia Applications (ICCIMA), 2003.

Index Terms

Computer Science

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Keywords

Wisdom Web  Agent technology  Web Personalization  Web Semantics  Web Mining