Abstract

Now a days, for any kind of information, people depend on internet. They use search engines like Google to search information over internet. The queries have to be accurate that will give the information related to user’s Health Care. But there is huge amount of information on the internet and so it’s difficult to get the relevant information easily. In case of searches on right food exercise, people usually have their own preferences. Also people are restricted to some medical conditions so some foods and exercises are avoided so they are attracted towards other food and exercises. Also the civilization where people reside will have impact on the number of choices and varieties of food. So there is need for easy to use framework for food and exercise recommendation. We propose ontology based framework for Health Care recommendation system which will provide precise information based on users requirements and constraints. This framework will use semantic web technology to analyze user’s preferences and will build a nourished and health associated use’s profile and will use the profile to categorize the associated knowledge so that users can make delicious food and exercise inquiries. We will also use the Decision Tree algorithm for retrieving related information from the database.
References

- Xiaohui Tao, Yuefeng Li, Ning Zhong, "A Personalized Ontology Model for Web Information Gathering", IEEE Transactions on Knowledge and Data Engineering, vol. 23, no. 4, April 2011.

Index Terms

Computer Science

Information Science
Keywords
Personalization; food and nutrition; exercise; Health Care; ontology; decision tree