Abstract

Most computer technologies focus on end users and their problem solving activities rather than machine. This denotes an evolutionary trend even for recent technologies which include semantic web and much closer to final users. Hence, building a virtual guide for students or visitors based on semantic web using XML is targeted. In this paper, premium services for students and visitor in Taif University are introduced with high professionalism level. Furthermore, innovative solutions to improve these services at faculty and university levels are demonstrated. Also, a virtual image in three-dimensional technique is used in the paper. The proposed system provides two main kinds of service. The first is called Open Navigation Service, which provides a user with free tour in university buildings. The second is called Identify Way, which provide a user with start and end visiting points that may be considered university gate or building. In addition, the proposed system combines three important research topics; Semantic Web, Ontology, and XML.

References

The Design and Implementation of Virtual Guide for Taif University based on Semantic Web

- http://www.w3.org/TR/soap/
- http://www.w3.org/TR/wsdl.html
- http://www.uddi.org/
Index Terms

Computer Science

Information Sciences

Keywords

Virtual Guide  Semantic Web  Ontology  XML.