The Use of Expert Systems in Evaluating the Quality of Universities Websites

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Abstract

This paper proposes an expert system which can be used to evaluate the quality of websites own by some representative universities from Romania. The proposed expert system is using the Web Quality Assessment Method (WebQEM) developed between 1998-2000 by a group of researchers from the National University of La Pampa led by Luis Olsina and it was built using CLIPS expert system generator. CLIPS is a productive development and delivery expert system tool which provides a complete environment for the construction of rule based expert systems.

In the first part of this paper, the WebQEM and CLIPS (C Language Integrated Production System) expert system generator are presented showing the advantage of using an expert system for this task. In the second part, a case study about the evaluation of websites owned by some representative universities in Romania is presented. The final conclusion of the experiment was that an expert system can successfully replace a human expert for the proposed task.