Abstract

The authors are motivated by the concept of refinement in e-learning systems so as to provide more support for the e-learners. A technique has been proposed for providing a customized knowledge in the form of graphics, text, analogy etc by grading mechanism using fuzzy techniques through which the knowledge level of user or learner can be determined and enhanced. It is impossible to satisfy every learner with a single example, so there arises the need of a system which would take feedback from the learner and dynamically customize the learning materials as per the understanding level of the end-user or learner. The content Management Tool (CMT) of the proposed framework of Expert E- Tutoring system plays a vital role for extracting the required contents from content repository by making use of fuzzy techniques. The proposed framework may also keep track of users’ learning capability based on fuzzy grading on a given topic, which helps to refine the e-learning content appropriately for the use of a learner.


**Index Terms**

Computer Science
Knowledge Management

**Key words**

Content Management tool
Knowledge Management

E-Tutoring

Fuzzy Grading

Content Customization