Teacher Assessment and Profiling using Fuzzy Rule based System and Apriori Algorithm

Abstract

Teachers Assessment and Profiling System (TAPS) is a unique kind of approach to examine weaknesses and strengths of a teacher so that he/she may be advised to improve his/her teaching expertise. There are many software and commercially available tools for this purpose. What makes our approach distinguished from other is that a Fuzzy Rule Based System (FRBS) is proposed for assessment and for profiling apriori algorithm is proposed. Both approaches can find adequate reasoning for a teaching advisor. So, administrator will view electronically the profile of a teacher over the semesters. This could greatly help an institution to provide quality education to their students by using this system for rectification and promotion of specific teacher. Significance of the proposed scheme is shown by example and results.

References

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Index Terms

Computer Science

Fuzzy Systems

Keywords

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Fuzzy Rule Based System; Profiling; Assessment