Instructor evaluation is an important field in the educational process because it develops the level of instructor which can improve the educational level of students consequently. In this work, intelligent techniques are used for instructor performance evaluation in Arabic. This study used group of Arab lecturers through YouTube website for testing this system. The proposed system converts instructor’s speech (system inputs) to text, and then analyzes the text to extract related knowledge for instructor evaluation that depends on a set of criteria, finally provides advice to the instructor (system outputs). Experimental results demonstrate the effectiveness of the proposed system in instructor performance evaluation. The proposed system can improve reliability and efficiency of instructors’ performance; provide the basis for performance improvement that will affect students’ academic outcomes.

References

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4. http://writing.colostate.edu/about/copyright.cfm

25. A. Sangwan, J. Hansen, "Keyword Recognition with Phone Confusion Networks and Phonological Feature based Keyword Threshold Detection", Center for Robust Speech Systems (CRSS), Department of Electrical Engineering, the University of Texas at Dallas, Richardson, Texas, U.S.A, 2010.
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Index Terms

Computer Science

Information Systems

Keywords

Intelligent System; Instructor Evaluation; Arabic language; speech recognition; artificial intelligence.