Assessing Lecturers' Performance using Fuzzy Logic

Publications

Assessing lecturers' performance is a routine work conducted at various universities to ascertain the academic performance of the lecturers. In literature, various methods and variables are being employed to do the evaluation. The objective of this research was to employ fuzzy logic in assessment of lecturers as against the traditional statistical methods. Four input variables, namely lecturer delivery, punctuality, interaction with students and assignment were used which produces a single output - Result, with its linguistic terms as Excellent, Fair, Good or Poor. The result shows that Fuzzy logic can be a simpler way of evaluating lecturers.

Abstract

Assessing lecturers is a routine work conducted at various universities to ascertain the academic performance of the lecturers. In literature, various methods and variables are being employed to do the evaluation. The objective of this research was to employ fuzzy logic in assessment of lecturers as against the traditional statistical methods. Four input variables, namely lecturer delivery, punctuality, interaction with students and assignment were used which produces a single output- Result, with its linguistic terms as Excellent, Fair, Good or Poor. The result shows that Fuzzy logic can be a simpler way of evaluating lecturers.

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Index Terms

Computer Science

Fuzzy Systems

Keywords

Lecturers Assessment, Fuzzy logic, Fuzzification, Defuzzification