Abstract

Several approaches using fuzzy techniques have been proposed to provide a practical method for evaluating student's academic performance. In this report, new method for evaluating student academic performances is proposed. The present work tries to remove the disadvantages of the existing approaches and gives a new method for students' performance evaluation using fuzzy logic. The proposed approach also provides relative grading method to compare the performances of students in the same class and award them the final grades. The proposed relative grading approach also uses fuzzy logic concepts.

Keywords — *fuzzy sets, linguistic terms, fuzzification, inferences, defuzzification, extended fuzzy grade sheets, degree of satisfaction level, relative grading.*