An Impact of Learning Behaviour and Creativity Quotient in Learning Environment

Abstract:

Data Mining (DM) is the process of searching through collecting and analyzing a huge amount of data in a database, which detects patterns or relationships. DM technique helps to find an association between the Learning Behaviour and Creative Quotient (CQ) Level of students. Expectation Maximization (EM) is used to find the similarities of creativity and learning behaviour of students. Each cluster reveals the learning behaviour of the student and Creativity. Multilayer Perceptron (MLP) predicts the learning behaviour of students and their CQ Level. It reveals that there is a positive correlation between student CQ Level and Learning behaviour. This analysis could help the staff members give the right training to the students for their improvement of CQ Level.