

Enhanced Collaborative E-learning Based on Personality and Learning Style

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ABSTRACT Collaborative learning collocations are learning methods in which learners are put together for some purpose and students in each group learn towards a common academic goal. A heterogeneous grouping in such an environment will improve the performance of the students considerably. The personality traits of a student and his/her learning style has been shown to be a necessary forecaster for the student's participation in the group. In existing works, the identification of a student's personality type and his/her learning style has been achieved through questionnaires which are quite tedious for the student and ineffective at times. In this research work, the genetic algorithm was used for heterogeneous grouping, taking the learners personality and learning style as parameters for grouping. The student's personality type and learning styles are detected automatically from his/her text and behavior with the system respectively.