Abstract

According Vygotsky, cooperate learning model (also known as peer learning) emphasise learning using dialog model that happen interactively based on social interaction. Learner's involvement in the forum can open opportunities for other learner to evaluate and improve their understanding on learning process. Peer helper is a student who has more knowledge and willing to share his knowledge and experience with other students in a learning forum. Peer helper must be able to master and understand the subjects that are being studied well and have the desire to help other fellow students. However, to determine who is eligible to be a peer helper candidate is still a major problem. Therefore, due to this problem, this final project focuses on classifying students who are suitable to be peer helper candidates using the KNN method. Experiments are conducted using activity data from online learning forum. The experiments prove that KNN can improve the accuracy of classification by 0.20% in comparison with Naïve Bayes implemented in a previous study. The highest accuracy is 85.71%.