An interactive 3D social graphs for social learning.


Summary: In the past time, Social Learning has been the most natural way for people to learn. However, traditional e-learning system only plays a role of teaching assistant, and seldom has functionalities to enhance interaction that can support social learning, like problem discussing and idea brainstorming. Therefore, we try to use the power of social networks to build a social learning environment. In this paper, we use Facebook as the social networks platform and integrate with an e-learning system. Using the social functionalities provided by Facebook, we can enhance discussion and interaction between users. Moreover, we use the social information and learning information to design a recommendation system, providing friend or course recommendation to user, and build a social tool called Interactive 3D Social Graph, providing the features of information 3D visualization and navigation with kinematic gestures. These idea and features can fully support social learning, and enhance more discussion and interaction on learning between users in learning environment.

Keywords: social learning; information visualization; 3D graphics; web technology
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