The study of e-learning effects on occupational safety education

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E-learning has become an important teaching approach during the internet era. E-leaning has fulfilled the knowledge spreading purposes through knowledge management technology. It has enabled the learners from different places at different time to acquire, accumulate knowledge and get inspirations.

More and more college students with mature mind and behavior engaged in part-time occupations. As a matter of facts, accidents caused by lack of occupational safety knowledge were observed frequently on campus. Therefore, our study investigated the e-learning effects of part-time occupations safety knowledge through a virtue business website and evaluated the learning results to help students avoid occupational accidents. We started our study by interviewing part-time working students and classified six categories of part-time occupations. We then designed and built an e-learning website consisting the six categories of occupational safety knowledge. Students then were split into two groups, one without occupational safety education and the other with the e-learning education of occupational safety. Afterwards, questionnaires were dispatched to these two groups and statistic analyses were performed.

Our results revealed that the occupational safety knowledge learning effects were significant. Our e-learning website of occupational safety knowledge for college students was proved to be effective and worthwhile.

Keywords: Virtual business, E-learning, occupational safety knowledge