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The Role of Content and Interface Design in Mobile Tablet Training

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ABSTRACT

Tablets are playing an increasingly important role in today's education and training programs. This study explores the potential affordances of using tablets in a road safety training program. We examined how multimedia content and interface design components of a mobile tablet training program impacted the system usability and usefulness, and further how these factors influenced users' perceived and actual training outcomes. A field experiment

was designed and carried out with about two hundred real-world road users while taking their mobile tablet training on site. We used a questionnaire to collect the majority of field data, and also conducted a series of pre- and post- actual training assessments with individual users in order to examine their actual training outcomes. The study results highlight the importance of content relevance and interface aesthetics in achieving mobile system usability goals and perceived usefulness, which significantly impact the training outcomes.