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A BASIC STUDY ON THE IMPROVEMENT OF SAFETY EDUCATION FOR CONSTRUCTION WORKERS USING VIRTUAL REALITY SIMULATION

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ABSTRACT

In the past, the construction project aimed at a rate of return through reduction of cost and schedule while safety management has been neglected. However, recently, safety management has been emphasized as a variety of accidents are increased. In this respect, although safety management education is important, current construction safety education depends on traditional teaching methods such as one-way lecture class. To resolve this issue, the objective is to suggest a basic study on the improvement of safety education for construction workers using virtual reality simulation. To achieve the objective, first, the previous studies are investigated. Second, the content of the education is made by using the summary list that occurred in the South Korea. Third, the main factors were deducted by using Delphi technique. In the future, this study can serve as helpful comprehensive content for safety education in connection with education methods through web-based systems or smart devices.