ACCESSIBILITY EVALUATION ON E-LEARNING ENVIRONMENT IN SECOND FOR PERSONS WITH PHYSICAL DISABILITIES

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ABSTRACT

The Internet has equipped virtual environments with a wealth of resources to meet social, simulated teaching, and learning needs, of which "Second Life" is one part. It is today's emerging digital learning platform used as an online learning environment. However, due to its relative operational complexity, people with physical disabilities might have difficulties using it even with the help of computer aids. Hence, through simulation experiments with nine general users with common computer aids, and operation-based assessment of three typical physical disability cases given appropriate computer aids, the feasibility of SL operation was explored. The results show that the nine general users engaged in SL use through the common aids, while the three typical disabled cases managed to engage in SL tasks as well through the use of appropriate aids.

Keywords: second life, people with physical disabilities, virtual environment, computer aids