

Enhancing Process Comprehension through Simulation-Based Learning

Prity Choudhary¹ and Vikas Jalan²

University of Tampa, Florida, USA¹

Visvesvaraya Technological University, India²

Abstract: *This simulation-based learning research purports to explain how to improve process understanding and learner confidence in corporate training. Feedback through survey questionnaires and interviews was sought from approximately 150 participants, and a large proportion of those expressed a high degree of confidence and satisfaction with the simulation as a practical learning tool. Some key components contributing to such understanding included step-by-step guidance, realistic screen layout, and interactive engagement. The minor challenges included technical glitches and a need for more clarity in some instructions. The improvements suggested for future learning included the addition of detailed instructions, various scenarios, and summary reviews. This study offers valuable lessons on simulation-based learning. However, the findings are couched in a very limited reliance on self-reported data and a failure to assess long-term impact. Regardless, this research reiterates the great potential of simulations in interposing the gap between theory and practice. It also suggests that further studies concerning long-term knowledge retention, advanced technologies, scalability, and personalised learning are necessary to optimise their effectiveness.*

Keywords: Simulation-Based Learning, Process understanding, training, interactive learning tools, real-life applications, Instructional Design, Knowledge Retention, Personalized Learning, Advanced technologies, Effective Training