

Implementation Plan for a New Simulation Product

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Introduction

Hi, I'm Esohe, and I'd like to propose a new approach to incorporating educational technology into our nursing coursework. This presentation is designed to explore the use of Sentinel U Virtual Patient Simulation. A case that will be highlighted in this presentation is that of a patient named Evan Wright, who has Type 2 diabetes mellitus. This presentation aims to discuss the educational quality of such a simulation tool and how to utilize it to enhance student learning. This proposal seeks to secure the acceptance of the purchase and adoption of Sentinel U in our academic nursing program. Embracing technology will help us reinforce the quality of nursing education and ensure that our students are properly prepared to meet the requirements of clinical practice.

Overview of the Technology

The chosen technology is Virtual Patient Simulation by Sentinel U, an interactive, cloud-based environment designed to enhance nursing learners' clinical reasoning and professional decision-making skills. Among its modules, there is a case presentation of a 40-year-old male (Evan Wright) with Type 2 diabetes mellitus, which provides learners with the opportunity to practice theoretical concepts in a virtual clinical setting. Sentinel U is a service that integrates key nursing principles, including pathophysiology, pharmacology, physical examination, and care design. In an organised, self-progressive virtual setting, students learn to work through the patient's history, medical laboratory tests, prioritise care requirements, and gather evidence-based information to inform decisions (Sentinel U, 2022a). The platform offers

key benefits, including automated feedback, integrated assessment, and compatibility with learning management systems, making it both student-friendly and faculty-efficient.

Addressing Gaps in the Academic Setting

Sentinel U helps address several urgent demands in nursing education. Access to clinical placements is one of the main gaps, in particular, the experience of chronic conditions, such as diabetes. The virtual simulation also allows students to engage in wireless, risk-free practice of complex decision-making without jeopardizing actual patients. It also facilitates standardized learning, resulting in exposure to a set of key learning scenarios for each student, despite differences in the clinics. Additionally, Sentinel U's remote and hybrid learning options offer a high degree of flexibility, aligning with modern educational trends and the evolving needs of today's students (Sentinel U, 2025b). Structured, guided clinical practice within a virtual environment enhances critical thinking, develops confidence, and narrows the gap between classroom learning and application in the clinical environment, ultimately optimizing clinical preparedness and competence delivered by Sentinel U.