Intelligent Simulation Environment (ISE)
Integrating Sensors, Mixed Reality (MR) and Artificial Intelligence (AI) to Escalate and Validate Complex Adaptive Competencies (CAC)

Clinical Learning Activity
Beatrice Sanders, an older adult female, admitted to a hospital for a surgical procedure, is complaining of stomach pain and nausea. In this scenario, IV fluids are running at half the ordered rate and the patient’s nasogastric (NG) tube is clamped. It is the task of the student nurse to identify these issues and correct them by following the established protocols.

Project Roadmap

College of Nursing (CON)
- Janine Hinton, PhD, RN, CHSE
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- Tarnia Newton, DNP, FNP-C
- Steve Machtley
- Connie Miller, DNP, RN, CNE

Systems & Industrial Engineering (SIE)
- Young-Jun Son, PhD
- Yijie Chen, Doctoral Student
- Tariq Islam, Doctoral Student
- Kamelia Sepanloo, Doctoral Student

Center for Digital Humanities (CDH)
- Bryan Carter, PhD
- Gabrielle Lampner, Undergraduate Student
- Ishika Patel, Undergraduate Student
- Daniel Shevelev, Undergraduate Student
- Nate Teku, Undergraduate Student

Learn more at https://www.nursing.arizona.edu/cacl