Trulaske College of Business - Innovative Technology Program (ITP) Success Stories

The Innovative Technology Program (ITP) is designed to offer faculty and staff an opportunity to present their innovative ideas. Each year, the Technology Committee selects up to two ITP proposals and awards each up to $2,500 for project implementation. The following success stories are the most recent ITP project proposals that have been awarded funding and have successfully been completed.

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TCoB students collaborate on 3D printing project with School of Medicine

"Students worked directly with the Sim center staff, holding meetings on their own and presenting their plans to the class and customer at the same time via MSLync from the collaborative classroom in room 204." S. Christianson

In the spring of 2015, Scott Christianson began collaborating with the staff of the Russell D. and Mary B. Shelden Clinical Simulation Center (Sim Center). Christianson incorporated course content from his MBA project management course and was able to offer his students the chance to be a part of developing and managing a project within the medical field.

In order to simulate possible medical scenarios, the Sim Center uses Standardized Patients (SP) to act as actual patients for medical students. Though the SP's are trained in a way to maximize the learning experience, the SIM center encountered some instances of irregularity that effected learning. As such, a 3-D printed electronic delivery, working prototype was created to mimic real-life heartbeats.

In the fall of 2014, Christianson submitted an Innovative Technology Program (ITP) proposal for the funding of this project. The ITP funding contributed to the leveraging of existing campus technology and resources, such as 3-D printing and project collaboration via the collaborative classroom in 204, and hiring an intern to assist with coordinating procedures. Christianson stated that the funding provided by Technology Services was helpful with, "jump starting the Sim project and providing the labor for developing the tools we used in the course to fast-track skill acquisition by the MBA students. . . I have also integrated the tools we developed during this class into my other project management courses."

The MBA students were able to work in teams to develop a project charter and management plans in risk management, quality management, stakeholder management, communication management, and change management. Christianson shared, "The class was very successful in teaching the students how to deal with ambiguous situations, conflicting goals, and viewpoints from customers."

After the conclusion of the class, the Sim Center has successfully completed their project and will be presenting the finalized product at several upcoming meetings.