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Application Summary

Competition Details

Competition Title: MSFT Applications for 2020-2021

Category: Internal Funding

Award Cycle: 2020-2021

Submission Deadline: 4/10/2020 3:00 PM

Application Information

Submitted By: Lynette Landry

Application ID: 270

Application Title: Nursing Virtual Reality Equipment and Licenses

Date Submitted: 2/26/2020 10:11 AM

Personal Details

Applicant First Name: Lynette

Applicant Last Name: Landry

Applicant Department: Nursing

Email Address: lynette.landry@csuci.edu

Phone Number: (805) 437-3150

Who is the Staff Support for Project/Activity?: Geri-Lyn Himebaugh

Staff Support email: geri-lyn.himebaugh@csuci.edu

Application Details

Proposal Title

Nursing Virtual Reality Equipment and Licenses

Brief Project Description

Over the past two years, the nursing program has been piloting various patient care simulations using Embodied Labs and mixed reality using CSU Northridge SIMpact. The purpose of these immersive simulated experiences is to give the learner the opportunity to see, hear and feel what it is like to go through a disease or situation process as a patient or family/support individual. Virtual reality and mixed reality enable an immersive experience individually and within small groups that are not currently offered in other ways without extensive preparation, time and expense, faculty expertise, technology, e.g., role play. The value with virtual reality immersion allows for a real simulation in a relatively short period of simulated time segment (7 - 30 minutes) with high degree of impact. Creating experiences that enhance development of empathy and ensure advocacy is important in teaching patient-centered care.

The success of our pilot work led us to apply for a LIT grant from the CSU to support integration of these immersive experiences into our curriculum. We were awarded the grant and have spent this academic year developing an integration plan. Unfortunately, grant funds were restricted to providing personnel with assigned time to work on the project and we have been unable to purchase the equipment required for full integration into the curriculum. Currently, we are using equipment in the FIT Studio to support the simulations. This has restricted our ability to fully integrate into our curriculum and has placed a burden on TLI in relation to sharing equipment and scheduling use of the FIT Studio to meet our needs. Further, we do not currently have funds in our operating budget for next academic year to pay for licensing the software and purchasing hours for the SIMpact mixed reality experiences.

We are requesting funds to purchase the equipment needed to run the virtual reality simulations provided by Embodied Labs, to pay the Embodied Lab license fee for next academic year, and to purchase contract hours from SIMpact for next academic year.

Amount of MSFT Funding Requested

17,000

Project/Activity Budget Detail

All equipment will need to be purchased in July 2020 to assure that the equipment is configured for virtual reality simulations by the start of fall semester. The licensing fees will need to be paid prior to the start of the fall 2020 semester.

Equipment needed is:

Dell computers with the capability to run virtual reality simulators, oculus rift VR headsets, oculus hand tracking sensor, leap motion controllers as well as storage cases. We will need two complete sets of equipment to be able to accommodate the average number of students in a clinical group. Total cost of the equipment is \$7000.

Embodied Lab licensing fee for one year is \$6000

SIMPact contract hours for one year is \$4000. The cost of this product is reduced for us because we have faculty who are working on scenario development with SIMpact.

Will you receive funds from any other source(s)?

No

Other Funding Sources

Has this project or activity previously received MSFT funding?

No

Acknowledgment

Fiscal Management

Project applicant/sponsor's unit or department may be responsible for incurred over and above what is funded through the MSFT. If support is requested for costs beyond initial award, or for use on activities or materials not included in approved proposals, the project sponsor must seek approval from the MSFT committee. The project applicant/sponsor will be responsible for managing purchases, transfers of funds, and all transactions related to approved projects

Please review MSFT webpage for information about the fund and its objectives before submitting your application.

**CSU Channel Islands
MSFT Proposed Budget
2020-2021**

Please layout in detail when various components of your plan will be complete in order to achieve key milestones. This information will be use to forecast the spending of MSFT within the fiscal year.
PS: all purchases/services need to be received and billed to CI before June 30th to account for the current fiscal year.

SAMPLE

Project or Acitivity Title

**Total Requested
\$\$**

Chemistry Laboratory Instrumataion Refresh

\$452,000

MSFT Planning Budget Calendar 2020-2021

Items or services requested to be funded	July 2020 -Period 1	August 2020-Period 2	September 2020 -Period 3	October 2020 -Period 4	November 2020 -Period 5	December 2020 -Period 6	January 2021 -Period 7	February 2021 -Period 8	March 2021 -Period 9	April 2021 -Period 10	May 2021 -Period 11	June 2021-Period 12	Grand Total
Purchase of UPS Power Conditioner				\$ 9,000.00									\$ 9,000.00
Purchase Glove Box			\$ 42,000.00										\$ 42,000.00
Purchase of Spectrohometer						\$ 156,000.00							\$ 156,000.00
Purchase of Fluorimeter							\$ 39,000.00						\$ 39,000.00
Purchase of Analytical Ultracentrifuge			\$ 198,000.00										\$ 198,000.00
Lab. Student assistant hours to set up equip.								\$ 2,000.00	###	\$ 2,000.00	###		\$ 8,000.00
Total	\$ -	\$ -	\$ 240,000.00	\$ 9,000.00	\$ -	\$ 156,000.00	\$ 39,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ -	\$ 452,000.00

CSU Channel Islands
MSFT Proposed Budget
2020-2021

Please layout in detail when various components of your plan will be complete in order to achieve key milestones. This information will be use to forecast the spending of MSFT within the fiscal year.
 PS: all purchases/services need to be received and billed to CI before June 30th to account for the current fiscal year.

Project or Activity Title

**Total Requested
 \$\$**

Nursing Virtual Reality Equipment & Licenses

\$17,000

*formulas will calculate totals

MSFT Planning Budget Calendar 2020-2021

Items or services requested to be funded	July 2020 -Period 1	August 2020-Period 2	September 2020 -Period 3	October 2020 -Period 4	November 2020 -Period 5	December 2020 -Period 6	January 2021 -Period 7	February 2021 -Period 8	March 2021 -Period 9	April 2021 -Period 10	May 2021 -Period 11	June 2021-Period 12	Grand Total
Dell Laptop Computer (2)	\$ 4,800.00												\$ 4,800.00
Oculus Rift VR Headset (2)	\$ 800.00												\$ 800.00
Oculus Hand Tracking Sensors (2)	\$ 400.00												\$ 400.00
Leap Motion Controller (2)	\$ 200.00												\$ 200.00
Storage and Security Case (2)	\$ 800.00												\$ 800.00
Embodied Labs License (1 year)		\$ 6,000.00											\$ 6,000.00
Mixed reality contract hours & case development		\$ 4,000.00											\$ 4,000.00
* you can add lines to your budget by inserting lines here													\$ -
Total	\$ 7,000.00	\$ 10,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,000.00