



**Materials, Services, Facilities and Technology Fee
Fiscal Year 2017-2018 Budget Request Form***

DUE: Friday, January 20, 2017 @ 5:00 P.M.
Please return completed requests via email to gina.matibag@csuci.edu

If you have questions about this form, please contact Gina Matibag at (805) 437-3320
For additional information, please consult the MSFT web page.

Project or Activity Title: **Video-Assisted Practice Assessment for Experiential Learning**

Name of organization requesting funds: **Nursing Program** Date: January 18, 2017

Requestor: Colleen Nevins Contact Phone Number: (805) 437-2620 E-mail:
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Requestor: Jaime Hannans E-mail: Jaime.hannans@csuci.edu

Amount of MSFT Funding Requested: **\$7,000.00**

Date Funding Needed by: Fall 2017

Will you receive funds from any other source(s)? YES **NO**
If yes, please detail amount requesting from other source(s) as well as your total request for fiscal year 2016-2017 (including request from MSFT).

Has this project or activity previously received MSFT funding? **NO**
If yes, please attach copy of report

Please describe how the use of MSFT funds for this project or activity will benefit the CI student body.

Please provide the following in your application. You may attach additional pages and materials (applicants may be requested to meet with the committee to discuss proposals):

1. **Brief Project Description.** Describe the project and its benefits to the educational or co-curricular experience of students at CI. Please provide specific information about how MSFT funds will be used and their impact on the campus. Please describe how this project benefits CI students? Please describe items and provide justification if your request includes the purchase of computers, equipment, furniture or other materials. Please provide a timeline for implementation of the proposed project. If physical

improvements are requested, please describe need, scope, and impact of work to be completed. If the project includes provision of services please indicate the type of service, personnel costs and level or quantity of service to be provided with project funds.

The use of video-assisted software encourages the substantive development of a professional reflective practice and professional growth. Vosaic, video software, enables opportunities for feedback to students in improving practice, more so than face-to-face, un-recorded demonstration of competency. NRS 221 Nursing Care of Adults with Acute & Chronic Illness I, medical-surgical students would use Vosaic to video-record and submit to the Instructor evidence of medication administration; students would be instructed to accurately demonstrate crucial safety steps in medication administration. NRS 223 Nursing Care of Adults with Acute & Chronic Illness II, medical-surgical students would use Vosaic to video-record and submit to the Instructor the practice of intravenous medication administration; students would be instructed to accurately demonstrate critical steps in safe IV medication administration and management. NRS 421 Care of the Complex Patient, critical care students would use Vosaic to video-record and submit demonstration of peripheral intravenous (IV) catheter insertion; students would be instructed to accurately demonstrate peripheral IV catheter insertion using an IV simulation arm. By using video-assisted competency assessment, it is anticipated that students will increase practice time and use video review for self-reflection. A qualitative study by Yoo, Yoo, and Lee (2010), evaluated student competence, communication skills, and learning motivation in those provided a video clip of skill performance compared to students in the control group that were only provided the written guidelines for the skill performed; the experimental group receiving the video clip had improved scores in all three areas: competence, communication skills, and learning motivation. In a pilot of video-recording using cell phones for IV management in the medical-surgical clinical course during fall 2016, faculty noted an increase use of the simulation lab and students reported multiple attempts at performing the skill. Difficulties in using cell phones for video recording and assessment occurred during instruction of students on how to deliver the video file, limitations to how students shared the video with missed opportunities to view and reflect on their own practice. In addition, faculty assessment and feedback was provided by email or on paper, which was disjointed. Vosaic software supports ease in recording, upload, sharing of videos, annotation and analysis tools, along with options for collaborative learning.

The intended audiences are the sophomore nursing student in NRS 221, junior nursing student in NRS 223, and the senior nursing student in NRS 421 during the 2017-2018 academic year. Assessment and reflective practices using video-assisted software and iPads would be incorporated into regularly assigned instructional activities, so that every student enrolled in the course will participate. Students would be provided background information, expectations, and support throughout the use of the technology from the instructor.

<https://vosaic.com/>

2. **Project/Activity Budget.** Please enclose a complete detailed budget of the entire project. Indicate (in **bold**) specific items of requested MSFT funding including (where applicable) a schedule and priority of project items to be considered if the project is funded at a reduced level. Were other, less costly, approaches considered when preparing the budget for the project? Are there elements that could be eliminated or deferred if funding is not available for the entire project?

Expenses	Amount	Comments
Supplies/Equipment	\$ 4, 500	8 iPad Air: <ul style="list-style-type: none"> • 8 for NRS 223 (Fall 2017);

		<ul style="list-style-type: none"> 4 for NRS 221 and 4 for NRS 421 (Spring 2018) <p><i>Per Vosaic, software is only compatible on iPads at this time</i></p>
Supplies/Equipment	\$ 2, 500	<p>Vosaic license for 24 students: 24 (Fall 2017); 24 (Spring 2018)</p> <p><i>Per Vosaic, licenses can be used for assigned student(s) in one semester and then reassigned to a different set of students for the following semester</i></p>
Total	\$ 7, 000	

3. Project Assessment. Describe how the effectiveness of the project will be assessed and measures that will be used to determine if it has attained its objectives. Please note a report will be due at the end of the semester (or fiscal year for annual projects). If funded, how will the project acknowledge the use of student funds so that students are aware that their student fees made (or helped to make) it possible? If appropriate, indicate how the project or activity promotes sustainability at CI.

The funding for using video-assisted practice and assessment promotes student engagement and connection through reflection on learning between instructor and learner, by aligning with the learning outcomes for the courses as follows:

NRS 221 Nursing Care of Adults with Acute & Chronic Illness I

- Demonstrate effective use of technology and standardized practices to securely use health information systems and patient care technologies in a safe, appropriate manner
- Use organizational and time management skills in the provision of patient-centered care

NRS 223 Nursing Care of Adults with Acute & Chronic Illness II

- Demonstrate effective use of technology and standardized practices to securely use health information systems and patient care technologies in a safe, appropriate manner
- Use organizational and time management skills in the provision of patient-centered care
- Use clinical judgment, demonstrate knowledge of pathophysiology, and integrate established evidence based practices and concepts from nursing courses to provide care for patients with single or multisystem alterations in health requiring intravenous medications.

NRS 421 Nursing Care of the Complex Patient

- Demonstrate effective use of technology and standardized practices to practice patient care in a safe, appropriate manner
- Use clinical judgement, demonstrate knowledge of pathophysiology, and integrate established evidenced based practices and concepts from nursing courses to provide care for patients with single or multisystem alterations in health requiring intravenous care

The assessment of the project will be based on evaluating the use of Vosaic in student achievement of learning outcomes, specifically demonstrating competency of performance standards for nursing practice. Analysis of practice by students, peers, and faculty should facilitate reflection and higher performance. It is our intent to conduct research on the use of Vosaic while exploring use of technology for practice assessment in two different disciplines, education and nursing practice, at varied levels of learning (e.g., sophomore, junior, senior).

4. Sources of Project Support. Please list the other sources of funding, and additional support for the activity. If this project or activity has been conducted previously please indicate how it was funded. Please explain if MSFT is the only source of support for the project.

MFST is the only source of support for the project.

Funding was requested and denied by Instructionally Related Activities (IRA).

The Nursing Program does not have the financial resources in its budget to allocate funding.

Fiscal Management: Project 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 sponsor will be responsible for managing purchases and transfers of funds related to approved projects.

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

Requestor

Signature

Date

AVP / Dean

Signature

Date