

UNIVERSITY OF LOUISIANA AT LAFAYETTE

STEP Committee
Technology Request in Response to COVID-19:
Replacement of Aged Technology with Clear Touch® Panels
Title

Claire Amy Schultz, Emily Stergar Wendte
Name of Submitters

College of the Arts
Organization

Date: January 10, 2020

Name (Contact Person): Claire Amy Schultz
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Department/College/Org: Visual Arts, College of the Arts, University of Louisiana at
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ABSTRACT PAGE

Title: Technology Request in Response to COVID-19: Replacement of Aged Technology with Clear Touch® Panels

Date: January 15, 2020

Name (Contact Person): Claire Amy Schultz

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Department/College: Department of Visual Arts, College of the Arts

Abstract:

Currently, the technology hardware and software in the areas of Art Education and Sculpture, which shares space with VIAR 102: Design II, impacting approximately 120-175 students each semester, are aged and do not support the innovative efforts and performative pedagogies of the faculty and students. Additionally, with the recent shifts in course delivery and need to social distance due to the COVID-19 pandemic, the need for this updated technology is greater now more than ever. This technology would significantly and positively support Art Education, Sculpture, and Design II courses and faculty who share the studio spaces.

The goal of this request is to replace the aged desktop/laptop cart and ceiling mounted projectors with the latest Clear Touch® Panel technology in the studio spaces of Art Education and Sculpture in the Visual Arts Department.

The acquisition of the Clear Touch® Panels for these spaces would provide a reliable solution to technology access as well as support the innovations of the faculty and students who share these spaces in the context of the changing dynamics of teaching and learning due to the COVID-19 Pandemic as well as when we are able to return to more traditional modalities of teaching and learning post-pandemic. Two devices would serve the Art Education and Sculpture/Design II faculty and students while the third would be portable and available to faculty in the Department of Visual Arts to use as needed.

Innovative Technology for Performative Pedagogies

A. Purpose of Grant and Impact

This request is to acquire new technology hardware and software specifically in the areas of Art Education and the Sculpture studio, which also serves all of the Design II classes in the Visual Arts Department. Two devices would serve the Art Education and Sculpture/Design II faculty and students while the third would be portable and available to faculty in the Department of Visual Arts to use as needed.

Due to the significant rapid changes and unprecedented impact COVID-19 is having on teaching and learning practices, this technology would greatly enhance our ability to effectively and safely implement studio curricula, which by nature is performative and collaborative.

The Art Education area serves two large sections of VIAR 215 each semester. Dr. Schultz is planning to teach both sections of VIAR 215 remotely with both synchronous and asynchronous components. With the Clear Touch® Panels it will be possible to create high quality video demonstrations from the classroom space to share with the students. Also, this would be a great device to use to hold synchronous class meetings via zoom. Additionally, the courses planed as HyFlex delivery, VIAR 216 and VIAR 415 would be positively impacted as well. In addition to the previous outlined benefits, this technology would allow my students and I to work, while distanced around the classroom, on this one device. This technology would allow students to wirelessly share from their own computer, tablet, or smartphone to the Clear Touch® Panels to edit and create together in real time while keeping distant in the physical space. The current technology in the Art Education classroom is outdated; a desktop podium connected to a ceiling-mounted projector and secondary desktop computer coupled with a wall-mounted tablet. Both of these technologies are aged, cumbersome, and difficult to use in conjunction with the performative nature of the art education curriculum and are significantly deficient considering the changes and evolving landscape COVID-19 Pandemic has created. Having a wall-mounted Clear Touch® Panel in the art education space would replace the obsolete technology, allowing for a streamlined, innovative collaborative approach to teaching and learning that is currently unavailable with the present set up.

In the Sculpture Concentration area, which is shared with all sections VIAR 102: Design II, there is currently no permanent technology solution. Faculty and students in this area have access to mobile carts with projectors and use their own computer or laptop. These projector carts are often in use by other faculty in the department and there are missing components, such as necessary cables and hookups on each cart, making it a very unreliable solution. The acquisition of the wall mounted Clear Touch® Panel in this space would provide a reliable solution to technology access as well as support the innovations of the faculty and students who share this space. Specifically, the Clear Touch® Panels would be a fantastic solution to giving demonstrations in a face-to-face course while practicing social distancing. They would allow the Design II and Sculpture faculty to live stream how to safely use a tool while the students remained in their seats

taking notes, as well as connect to the screen and ask questions. Professor Stergar is planning on teaching all three sculpture courses using a flipped-classroom model. This technology would allow her to record the demonstration and post it for the students to return to later. This would especially benefit anyone that may have to quarantine. The students could log-on in real time so they won't fall behind in the course and still engage with Professor Stergar and their classmates. Furthermore, for critique, the work would be physically in the classroom and also projected on the Clear Touch® Panel. Everyone could then individually investigate the work, see the work displayed digitally, and maintain social distancing. This would cut critique time in half while also, again, allowing students unable to attend class the ability to participate.

The Clear Touch® Panel offers the opportunity for faculty and students to be supported in their innovative pedagogical practices through the rapidly changing landscape of teaching and learning practices due to the pandemic. Beyond meeting the current needs of the faculty and students during this unprecedented time, this technology also has the potential to support collaboration with the community impacting the types of students our programs are able to recruit. Clear Touch® Panels are different from other products such as Promethean Boards and ActivPanel® by offering a crystal-clear, anti-glare LCD display with 4K True HD resolution. The built-in Android and add-on PC module make oscillating between functions and programs seamless. The 6086K panels this grant is requesting are 86" offering clear and large images for the large classroom spaces.

The Clear Touch® Panel also has smart, multi-touch technology that allows for 20 points of simultaneous touch and has the ability to wirelessly connect with up to four devices using the Collage software also requested in this grant. The additional software requested includes Snowflake for the creation of multitouch activities, Canvas as a whiteboard solution, and Chorus, which allows student and faculty to collaborate using relevant tools with video conferencing and annotation. The Clear Touch® Panels outfitted with the requested software and accessories would greatly enhance and even transform the way faculty and students interact with each other through technology allowing for more opportunities to collaborate, bring in guest speakers, and demonstrate. This technology would also enhance recruitment and retention efforts of each area involved and allow the respective programs to be the center of innovation in their discipline.

This proposal will impact approximately 120-175 students each semester.

B. Projected Lifetime of Enhancement

The projected lifetime of enhancement benefits is 5-10 years.

C. Person(s) Responsible for

- a. Implementation: Claire Amy Schultz
- b. Installation: Clear Touch® offers complete installation and is included in the budget proposal
- c. Maintenance: Claire Amy Schultz. Clear Touch® Panel also offers extended warranty included in the budget proposal
- d. Operation: Claire Amy Schultz, Emily Stergar Wendte

e. Training: Clear Touch® offers free initial training. Additional training can be accessed online. Claire Amy Schultz will also offer training to faculty and students to encourage use across populations.

f. Qualifications:

Claire Amy Schultz, PhD effectively used this technology for three years in a high school visual arts classroom. She holds a doctoral degree in curriculum and instruction.

Emily Stergar Wendte, MFA is a studio art educator focused on the ecological impact of technology uses. She incorporates digital technologies alongside her use of traditional methods.

D. Narrative of the Proposal

Claire Amy Schultz is willing to be responsible for the purchase as well as oversee the installation and related trainings. The technology will be wall-mounted in the art education and sculpture areas and installed on a mobile stand for faculty to use in other areas of the Department. Each faculty of the respective areas will be in charge of updating and maintaining the technology suited for their needs.

Budget Proposal Form

| Qty | Item | Description | Item Costs | Total |
|------------|------------------------------|--|------------------------------------|-----------------|
| 3 | Clear Touch® Panel | 6086K Ultra HD 86” Android 8.0 Dual Core CPU including 2 pens, remote control, power cord, HDMI cable, and USB touch cable | \$7,000 | \$21,000 |
| 3 | Slot PC Add-ons | Intel i5 Quad Core 8GB/128GB/Ultra HD | \$1,096 | \$3,288 |
| 2 | Wall Mount Kits | Wall mount for panel with PC add on | \$1,200 (estimated from retail) | \$2,400 |
| 1 | Adjustable Mobile Stand | CTI-STAND-ADJM-V3 adjustable mobile stand that supports 6000K Clear Touch® panel | \$1,300 (estimated from retail) | \$1,300 |
| 3 | Document Camera | High definition/5MP/Auto Focus/LED Light | \$438 | \$1,314 |
| 3 | Web Camera | High Definition/Auto Focus/USB 2.0 | \$130 | \$390 |
| 3 | Keyboard | Keyboard/Track pad/Wireless 2.4GHZ | \$53 | \$159 |
| 3 | Education Software Suite | Included in panel | | \$0 |
| | Parts & Accessories Shipping | | | \$366 |
| | TOTAL | | | \$30,217 |

*The installation of the Clear Touch® Panel could possibly be performed by the Department, in which case the cost of the proposed line item below would not be incurred.

| | | | | |
|---|--------------|--------------------|--------|--------|
| 3 | Installation | Requested Estimate | \$2500 | \$7500 |
|---|--------------|--------------------|--------|--------|

Previous Funded Technology Projects

Claire Amy Schultz and Emily Stergar Wendte, are junior tenure-track faculty. This is the first request for each of them of this nature.

Phone: 1.888.912.3151
 Fax: 1.601.399.5077
 Online: www.howardcomputers.com



Howard Computers
 P.O. Box 1588
 Laurel, MS 39441

Online Quotation

| | | | |
|-----------------------|-------------------------------------|----------------------|------------------|
| Quote No: | AP2 990481.00 | Quote Date: | January 15, 2020 |
| Customer Name: | Claire Schultz | Phone Number: | 3374826056 |
| Company Name: | University of Louisiana @ Lafayette | Fax Number: | |
| Quote Name: | Claretouch Displays | | |

Item 1

| Category | Description | Qty. | Unit Price | Ext. Price |
|---------------------------------|--|------|------------|-------------|
| System Type: Accessories | | | | |
| 1: | Clear Touch 86" 6000K Series Interactive Panel with USB HID / AGG / 20 Points of Touch - Ultra HD MPN: CTI-6086K-UH20 Contract(s): NASPO Admin MNWNC-114 NASPO - Louisiana | 3 | \$7,000.00 | \$21,000.00 |
| 2: | PC Module - Intel i5 Quad Core / 8GB DDR4 / 128GB SSD / Ultra HD (with Microso?? Windows 10 Professional) MPN: CTI-PCMOD-PC25-ST-W10P Contract(s): NASPO Admin MNWNC-114 NASPO - Louisiana | 3 | \$1,096.00 | \$3,288.00 |
| 3: | Fixed Wall Mount (for use with ALL series up to 98") MPN: CTI-MOUNT-FIXW Contract(s): NASPO Admin MNWNC-114 NASPO - Louisiana | 3 | \$0.00 | \$0.00 |
| 4: | Document Camera - High Definition / 5MP / Auto Focus / LED Light / USB 2.0 or Wireless / Clear Touch Canvas So??ware MPN: CTS-DC100-WFHD Contract(s): NASPO Admin MNWNC-114 NASPO - Louisiana | 3 | \$438.00 | \$1,314.00 |
| 5: | Web Camera - High Definition / Auto Focus / USB 2.0 MPN: CTS-WC100-UHHD Contract(s): NASPO Admin MNWNC-114 NASPO - Louisiana | 3 | \$130.00 | \$390.00 |
| 6: | Keyboard - Keyboard / Trackpad / Wireless 2.4GHz / USB 2.0 MPN: CTS-KB100-WF24 Contract(s): NASPO Admin MNWNC-114 NASPO - Louisiana | 3 | \$53.00 | \$159.00 |

| | |
|--|--------------------|
| Sub-Total: | \$26,151.00 |
| Parts & Accessories Shipping: | \$366.00 |
| Taxes: | Tax Exempt |
| Total for Item 1: | \$26,517.00 |

This quote will expire February 14, 2020.
 To expedite your order, please include your quote number with your Purchase Order.

Total for all pre-configured items

| | |
|--|--------------------|
| Sub-Total: | \$26,151.00 |
| Parts & Accessories Shipping: | \$366.00 |
| Taxes: | Tax Exempt |
| Total: | \$26,517.00 |

Notes: