

UNIVERSITY OF LOUISIANA AT LAFAYETTE

STEP Committee

Technology Fee Application

**Angelle Hall: Room 253 Smart Classroom
for Remote & Face to Face Teaching**

Title

Chan Kiat Lim & Donny Broussard

Name of Submitter

(Faculty or Staff Only)

College of the Arts

Organization

Title: Smart Classroom Upgrades in Angelle Hall, Room 253

Date: January 12, 2024

Name: (Contact Person): Donny Broussard

Address: College of the Arts

Phone Number: 337-482-1428 **Email:** donny@louisiana.edu

Department/College/Org: College of the Arts

Abstract

The piano lab is an integral part of our music education infrastructure and is currently facing a need to replace its digital keyboards. The existing keyboards, installed in 2002, have exceeded their anticipated lifespan by almost a decade. Typically designed to last 10 to 12 years, these keyboards are not in their 22nd year of service. The age and prolonged usage have taken a toll, with 7 out of 12 pianos experiencing significant audio and mechanism issues, such as earphones that have stopped working and sticking and non-sounding keys. These challenges are critical, and not only hinder the learning experience for our students but impede the overall effectiveness of the piano lab. A replacement for these keyboards is long overdue and it is imperative to ensure that our students have access to modern, fully functional instruments, thereby enhancing the quality of their education and musical development.

This heavily used Keyboard/Computer Lab is a valuable asset for music students. Required piano classes for music majors and non-major elective courses meet daily in this Lab, including the summer session. Often, these classes are full, and each piano is utilized. In addition, the Lab is open during the week for students during non-class hours.

Since 2005, the keyboard area has integrated online instructional videos as a vital component of these classes. In 2009 the keyboard area adopted the multimedia website, “eNovativePiano,” as the textbook for all courses taught in this Lab, making the need for computers and appropriate software necessary.

Advances in technology mean that our students and faculty have very different needs than ten years ago. The proposal would update our presentation and audio equipment to meet today’s multi-media needs.

a. Purpose of grant and impact to student body as a whole.

This grant aims to update the Keyboard Lab by replacing broken and dated electric pianos (acquired in 2002) and upgrading software to the most current version. This STEP application both describes the technology currently held and proposes the following acquisitions:

1. The Lab’s electric pianos are outdated and must be replaced with modern technology. If funded, we will replace the old ones with new Yamaha digital pianos.

2. *Finale* Music Notation Software is the industry standard for music composing, notation, and publishing. All music students are expected to develop competence with this software. NASM accreditation requires that students show competence with notation software and integrate it into various music courses. The keyboard/computer lab is currently running *Finale* 2006. There have been five software upgrades since 2006. We want to upgrade to the current version.

These updates to the Lab will transform ANG 253 into an invaluable Lab and student workspace. It will allow for student projects to be completed on industry-standard software and equipment, and faculty will teach knowing that the equipment in the room will work.

Impact on the student body: One of the most heavily used classrooms, up to 50 hours a week.

The courses taught in this Lab:

Required Courses for the Music Curriculum:

Keyboard Skills I-III (MUS 141, MUS 142, MUS 143)

Keyboard Fundamentals for Music Business majors (MUS 102) * also required in new Recording Arts Program

Keyboard Harmony (MUS 315)

Piano Pedagogy I and II (MUS 271-272)

Elective Course:

Class Piano for Non-Majors I and II (MUS 323-324)

The School of Music enrolls approximately 250 students in the undergraduate program. Each one of these students will use this Lab for a minimum of three semesters during their undergraduate years.

b. Projected lifetime of enhancement.

The pianos and smart classroom should last for at least six years and maybe longer before needing to be replaced.

c. Person(s) responsible for.

- i. Implementation: Donny Broussard, Director, Digital Media Resource Center (College of the Arts)
- ii. Installation: Donny Broussard
- iii. Maintenance: Donny Broussard
- iv. Operation: Chan Kiat Lim and Donny Broussard
- v. Training (with qualifications): Chan Kiat Lim

d. Purpose and justification for each of the items listed in the Budget Proposal.

We are requesting 12 Yamaha digital pianos and one Yamaha digital piano teacher unit \$54,750.00 total (this comes with the pianos, a controller, cables, benches, and warranty), and Finale notation software at \$1,287.00 for 13 licenses, and a small SMART classroom \$13,081.18 total, bringing the total for the entire proposal to \$69,118.18.

*Quote and breakdown on the following pages.

Budget Proposal

1. **Equipment** **\$ 67,831.18**

2. **Software** **\$ 1,287.00**

3. **Supplies** **\$**

4. **Maintenance** **\$**

5. **Personnel** **\$**

6. **Other** **\$**

TOTAL: **\$ 69,118.18**



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January 10, 2024

University of Louisiana at Lafayette
ATTN: Dr. Chan Kiat Lim
Piano Department
Lafayette, Louisiana

Piano Lab Quote - 241001

Quantity	Description	Price Each	Total Price
-		-	-
1	Yamaha CVP-805B Clavinova, Teacher unit	5,350.00	5,350.00
12	Yamaha CVP-701B Clavinova, Student unit	3,200.00	38,400.00
1	Lab Controller Set, LC4 Base and LC4 Expansion	11,000.00	11,000.00
-	16 headphone/mic set ups	-	-
-	16 piano interface modules	-	-
-	All necessary cabling	-	-
-	Benches for all pianos	-	-
-	Assembly, testing, and delivery of all pianos	-	-
-	Labor to properly install the teaching lab system	-	-
-	5 year warranty, parts and labor	-	-
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-	Raymond J. Goodrich, II	-	-
-	President	-	-
-		-	-
			\$ 54,750.00

"You play... We listen"

January 11, 2024



State Contract #4400022153

Proposal To:

ULL

For:

Small Classroom

Prepared By:

Daryl Bragg

ROOM 1

SCOPE

The scope of work for Room 1 will encompass the installation and integration of various high-quality audio visual components to create a robust, functional, and efficient AV environment. The primary visual component will be the Panasonic PT-VMZ61U7, a reliable projector with excellent resolution and brightness, mounted using the Chief CMA440, an above tile storage access point offering ample space for equipment storage.

The projector will be securely fastened onto the Chief RPMBU, a universal mount that ensures stability and ease of alignment. Extending its height will be the Chief CMS006, a speed-connect lightweight suspension column. The display will project onto the Da-Lite 20877LS screen, providing clear and vibrant display output.

The NetGear GS305P-300NAS, an ethernet switch, alongside the Black Box CAT6PC-004-BK and Black Box CAT6PC-010-BK ethernet cables, will be used to facilitate network connections across all devices.

Extron Electronics systems will serve as the main control and signal routing elements. They include the 60-1469-03 touch panel, the 60-1421-12 audio interface, the 60-1271-13 huddle link control module and the 26-663-03 and 26-663-12 cables, which provide a seamless connection between all devices.

The Biamp Systems microphone and DC220T White ceiling the Extron Electronics 60-1449-01 ceiling speakers will offer superior audio input and output capabilities.

Windy City Wire will supply the cable types including CAT6SP-BLK for ethernet, 22-2PREPSP-BLK for speaker cable, and 16-02P-BLK for microphone cable, ensuring high-speed transmission and reliable connections.

The complete installation, configuration, and setup will be carried out by Go Media, LLC. Their service also includes a three-year warranty (GM3YR), offering peace of mind and coverage for any post-installation hitches.

For cabling paths and concealment, Wiremold products including 2300BAC raceway base, 2344 clip over box, 2344-2 transitional fitting, 2311 flat elbow, 2317 internal elbow, 2318 external elbow, and 2315 coupling, will be utilized for neat installations.

SYSTEM A





IMAGE	QTY	DESCRIPTION	PRICE	PRICE EXT
	1	1139431 AV Kit 12	\$12378.67	\$10,666.18
	1	Chief CMA440 CEILING PLATE 8" X 24"	\$137.30	\$137.30
	4	Black Box CAT6PC-004-BK 4' CAT6 250-MHz Molded Snagless Patch Cable UTP CM PVC BK	\$3.72	\$14.88
	1	Extron Electronics 26-663-03 HDMI Ultra/3 4K Premium High Speed HDMI Ultra-Flexible Cable - 3' (90 cm)	\$43.80	\$43.80


















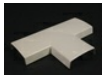







IMAGE	QTY	DESCRIPTION	PRICE	PRICE EXT
	200	Windy City Wire CAT6SP-BLK 23-4P OAS SOL CMP C6 Blk Jkt CAT6 Cable	\$1.11	\$222.00
	50	Wiremold 2300BAC 10 pack 5ft 2300 RCWY Base and Cover V	\$4.34	\$217.00
	1	Go Media Install Installation Labor	\$0.00	\$0.00
	1	Panasonic PT-VMZ61U7 WUXGA 1920 X 1200 6200 LMNS LASER PROJECTOR 4K	\$4,039.42	\$4,039.42
	1	Chief RPMBU UNIVERSAL RPMB	\$269.61	\$269.61
	1	Black Box CAT6PC-010-BK 10' CAT6 250-MHz Molded Snagless Patch Cable UTP CM PVC BK	\$5.58	\$5.58
	100	Windy City Wire 22-2PREPSP-BLK 22-2P EPS STR CMP Blk Jkt Mic/Control Cable	\$0.47	\$47.00
	1	Wiremold 2344 NM EXT DP DEV BX 2300 IV	\$13.40	\$13.40
	1	Chief CMS006 FIXED PIPE 6"	\$19.97	\$19.97
	1	Extron Electronics 26-663-12 HDMI Ultra/12 4K Premium High Speed HDMI Ultra-Flexible Cable - 12' (3.6 m)	\$78.83	\$78.83
	200	Windy City Wire 16-02P-BLK 16ga Unshielded 2-Pair Stranded Speaker Cable, Plenum	\$0.36	\$72.00
	1	Wiremold 2344-2 NM EX DP DEVBX 2G 2300 IV	\$16.76	\$16.76
	4	Wiremold 2311 NM FLAT 90 D ELBW 2300 IV	\$2.99	\$11.96
	4	Wiremold 2317 NM INT.ELBOW 2300 IVORY	\$2.99	\$11.96

IMAGE	QTY	DESCRIPTION	PRICE	PRICE EXT
	1	Da-Lite 20877LS CONTOUR 123D 65X104NPA MW	\$1,772.85	\$1,772.85
	4	Wiremold 2318 NM EXT.ELBOW 2300 IVORY	\$2.99	\$11.96
	1	Netgear GS305P-300NAS NETGEAR 5 Port PoE+ Gigabit Ethernet Unmanaged Switch	\$99.01	\$99.01
	4	Wiremold 2315 NM TEE 2300 IVORY	\$3.64	\$14.56
	20	Wiremold 2306 NM COVER CLIP 2300 IVORY	\$1.08	\$21.60
	1	Extron Electronics 60-1469-03 MLC Plus 100 MediaLink Plus Controller	\$1,007.30	\$1,007.30
	1	Extron Electronics 60-1421-12 DTP T HWP 4K 231 D DTP Transmitter for HDMI - Decorator-Style Wallplate, Black - 230 feet (70 m)	\$510.95	\$510.95
	1	Extron Electronics 60-1271-13 DTP HDMI 4K 230 Rx HDMI Twisted Pair Receiver - 230 feet (70 m)	\$416.06	\$416.06
	4	Biamp Systems DC220T White Commercial 2' x 2' Drop Ceiling Speaker, 10W, 8 ohms, 70V/100V transformer, White (priced individually, but sold in pairs)	\$138.69	\$554.76
	1	Extron Electronics 60-1449-01 MPA 601-70V One Channel Amp, 60 watts at 70 volts	\$430.66	\$430.66
	1	Go Media, LLC GM3YR 3 Year Equipment & Labor Full Coverage	\$605.00	\$605.00

LABOR & INTEGRATION

	HOURS	RATE	PRICE
Install 1139823	23.00	\$105.00	\$2,415.00
EQUIPMENT TOTAL			\$10,666.18
LABOR TOTAL			\$2,415.00
ROOM 1 TOTAL			\$13,081.18

ACCEPTANCE

FINANCIAL

PAYMENT SCHEDULE
Net 30

EQUIPMENT TOTAL	\$10,666.18
SHIPPING TOTAL	\$0.00
<hr/>	
SUBTOTAL	\$13,081.18
TOTAL SALES TAX	\$0.00
PROJECT TOTAL	\$13,081.18

TERMS

I accept this proposal and hereby authorize Go Media, LLC to proceed with the installation of the included systems at the facilities of ULL constructing at Griffin Hall Lafayette, La as described in the totality of this document. I further authorize Go Media, LLC to be granted the facility access that will be required to complete this project in a workmanlike and timely manner and for payment to be made to Go Media, LLC. In keeping with the Terms of Payment listed above. It has been made clear to me that there exist no understandings regarding this project with any relevant party unless and until ULL and Go Media, LLC agree to such additional or alternate understandings in writing. Project cost and pricing are dependent upon a continual flow of work without interruption or delays imposed by ULL or their staff, construction, other building trades or any other party, and additional costs may be incurred by ULL from Go Media, LLC. If such delays result in additional costs that are not covered by the pricing in this proposal. I agree that any additions to and/or deletions from the materials and labor to be provided by my acceptance of this proposal and any resulting change(s) in cost of this project shall only be by way of written change order(s) and shall be valid only after being signed by ULL and Go Media, LLC. This proposal is valid only if accepted in writing and/or Purchase Order issued by ULL.

Workmanship/Labor warranty is valid for a period of 1 year from date of invoice. Labor warranty covers any workmanship faults, defects, or failures incurred during the installation phase of the project. This includes physical on-site installation as well as equipment configuration and programming. During the course of the warranty no fees will be assessed or charged for remote support, on-site technicians executing repairs, or travel time & expenses. Labor warranty does NOT cover repair or correction of issues caused by tampering of equipment by end users, contractors, or any other unqualified personnel. Additionally, equipment theft and damage caused by accidents, weather events, or natural disasters is not covered.

Equipment warranties vary per manufacturer as they are provided by the manufacturer. Minimum of 3 years repair coverage. individual warranty policies can be provided upon request.

ACCEPTANCE

ULL

SIGNED

DATE

PRINT NAME

TITLE

GO MEDIA, LLC

SIGNED

DATE

PRINT NAME

TITLE

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