STUDENT TECHNOLOGY

GRANT PROPOSALS

2019 - 2020

#2020.017 Chronebools-12 Cation

TRACY BROWN: ACCEPTED	OPPOSED:
COMMENTS:	
SIGNATURE: Tunp	DATE: [2]2][9
HEATH FITTS: ACCEPTED	OPPOSED:
COMMENTS: Does not have updated Wifi Improvement	nt Estimate I provided on 11/22.
Does not have updated Wifi Improvement Updated estimate is \$6,200. SIGNATURE: Hard Fath	DATE: 12/4/19
SHAWN PARR: ACCEPTED	OPPOSED:
SIGNATURE:	DATE: 12/3/19
BLAYNE HENSON: ACCEPTED	OPPOSED:
comments: Wiring issues can be overcome with	-
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PHILLIP MARTIN: ACCEPTED	OPPOSED:
COMMENTS:	
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2020.017

Northwestern State University of Louisiana

2019-2020 Student Technology Fee Grant Application

Please Complete the Entire Application

Prepared by: Begona Perez-Mira For: CLS, BVAD, ACCT.
Department/Unit: School of Business College: Business and Tech Campus: Natchitoches
Which NSTEP Goals/Objectives does this project meet?
Requested equipment will be located/installed/housed? Building Russell Hall Room 213, 218, 220, 223, 224, 115
Does the department receive lab fees? (circle one) YES/NO
Are department property policies and procedures in place for requested equipment? Yes
Which individual will be responsible for property control of the requested equipment? Dr. Begona Perez-Mira
Signature: Date: 11/21/19
Proposal Requested Amount: \$\frac{\$75,756.00 (Total - but see budget for separate}{options}\$ Budget Attached (circle one): YES/NO
Proposal delivered to Student Technology located in Watson Library, Room 113. Date
Please be sure to include detailed specifications, vendor information, state contract information, descriptions, and quantities in the application.

1. Describe the target audience.

The equipment to be purchased will be used primarily by students taking face-to-face classes in the School of Business. On average, there are 30 students per classroom taking face-to-face classes in Russell Hall. The majority of these students are taking classes that do not take place in labs, so the use of the computers is restricted to the times when one of the existing labs in the school is open and no other classes are being held there. These times are highly limited, so for these students, the use of the computers in the classroom is not a possible option unless they bring their own systems. In that case, not all students are able to bring a laptop or a table to the classroom, so those students are at all calculations, or those students are at a disadvantage. This is one of the reasons professors have sometimes decided against the use of technology in the classroom. This equipment will make computers accessible to these students. It will not be checked out to students. Instead, the equipment will be checked out to professors that want to use technology with their students and do not have the opportunity to teach in lab

2. Describe the project/initiative.

This project will impact multiple class sections that conduct their sessions in 6 classroom locations in Russell Hall. By using an average of 30 students per class, this project will impact hundreds of students in a single semester. Currently, Russell Hall's access to computer labs for instruction is severely limited. As the building hosts the Computer Information Systems students, the labs are primary used for information systems instruction and they are rarely open for other business administration, marketing, management, accounting, and finance classes. Other departments such as English and Theater are also utilizing these classrooms in Russell Hall. This lack of technology access for the classroom is a daily issue, but it is more prominent for those classes that require research time and technology access for Online simulations and labs. Currently, professors are requesting students to bring their own mobile devices to the classroom. However, there is a large quantity of students that do not own a mobile device capable of running the required simulations or do not own a mobile device at all. Purchasing a cart with 36 lightweight portable devices (Chromebooks) for each traditional location will allow ALL students attending the lectures in Russell Hall to have access to the required technology to complete their classroom research and/or labs, simulations, and even class work. It is important to state that we would like all rooms to be outfitted with these Chromebook carts BUT tbecause these carts can be moved, we will share between classrooms if the grant award does not provide full funding. Finally, to ensure that the current wireless network will support the addition of the new devices, a wifi study and implementation of the study recommendations are also included in this grant.

3. State measurable objectives that will be used to determine the impact/effectiveness of the project.

1. All students in a face-to-face class not hosted in a lab will be able to complete instructor required electronic work (exams, quizzes, homework, simulations, and other)

during class time by using the devices purchased with this grant
2. All students in a face-to-face class not hosted in a lab will be able to perform research when requested by the professor during class time by using the devices purchased with this grant

4. Please explain the evaluation process for each project objective.

- 1. During the SPRING2020 AND/OR FALL2020, the mobile carts will be used in MKTG3230 and BUAD3270 to perform 3 of the 4 possible exams in the semester. If all
- students are able to complete these exams online, the objective will be met.

 2. During the PRING2020 AND/OR FALL2020, the mobile cart will be used in MKTG3230 and BUAD3270 to complete research for the group project. If all students are able to complete the research online, the objective will be met.

5. Which NSTEP http://www.nsula.edu/nstep/NSTEP.pdf objective(s) will this funding of this project advance? How will the funding of the project advance the University and College/unit technology plan?

1. To improve access to technology by students, faculty, and staff at NSU
This proposal will increase the number of students being able to access electronic offerings during class time as requested by the professor.

2. To provide classrooms with updated technology and multimedia

This proposal will effectively morph any of the Russell Hall regular classrooms into an up-to-date lab to be used during class time without interfering in the use of the fixed labs in

7. To encourage technology initiatives by faculty, staff, and students

This proposal will encourage the use of technology in the classroom that was previously restricted to those classes that were scheduled in labs.

NSU Technology Plan

Access Initiatives: Efforts that will help ensure anytime, anyplace access to information and to the means by which to process this information This proposal will ensure acceptable access to information during class time when requested by the professor without the need to relocate the class/student body Support Initiatives: Facilitate the effective and efficient use of technology while ensuring that the technology remains as transparent to the end user as possible By providing access to existing technology in the classroom, the instructor will not only be able to SHOW the students how to, for example, complete electronic research. All students then should be able to follow the steps and processes exemplified in the classroom without having to move to a fixed lab for only a portion of the semester time. Innovation Initiatives: Examine new technologies and their application to the teaching/learning process.

By being able to access these devices as needed for class time, faculty will be able to implement new teaching/learning activities that were not possible before due to the lack of accessible hardware resources

6. Please justify funding for the project. Provide the number of students that will be served per academic year and in what ways. Please also indicate any unique needs of the target group.

On average, there are 30 students per section in Russell Hall classrooms completing face to face classes. There are 29 scheduled sections in those 6 classrooms for the Spring 2020 semester, this is over 800 students being impacted by these Chromebook carts every semester. The goal of this grant is to provide access to hardware to those students that for any reason cannot bring their own equipment to the classroom when needed or requested by the instructor. The mobility of the devices also allows for the different configurations in terms of use of the classrooms. Some faculty members do not allow technology during lectures whereas other instructors welcome it. These Chromebook carts will not be intrusive and can be locked up in the classroom ready to be used when the students and faculty members need them.

7. List the individuals who will be responsible for the implementation of the project/initiative and indicate their demonstrated abilities to accomplish the objectives of the project.

Dr. Begona Perez-Mira - Dr. Perez Mira has implemented the purchasing, management, and storing of technology to be used in the classroom in several occasions. She currently manages the NSULA CLIP Grant for CIS, and the AR/VR grant from State Farm.

8. Describe any personnel (technical or otherwise) required to support the project/initiative.

This initiative will need the support of the NSULA Information Technology department to install and manage the Google Chromebook Licenses and management software as well as a wifi study and updates needed to make sure the wireless network at Russell Hall will support the addition of the devices.

9. Provide a schedule for implementation and evaluation.

Spring 2020 or as soon as awarded -> Purchase of the technology + Wifi improvements in Russell Hall

Spring 2020 or as soon as technology arrives -> Set up by IT personnel.

Spring 2020 or as soon as technology arrives -> Set up by IT personnel.

Spring 2020 or as soon as IT completes the set up -> Implementation of the technology in the classroom. Teacher & students instructions will be posted on the carts.

10. Estimate the expected life of hardware and software. Explain any anticipated equipment/software upgrades during the next five years.

Per Google license --> Chromebooks are supported for 5 years. After 5 years, the management software expires and the devices have to be individually managed

11. Explain in detail a plan and policy that will be in place to ensure property security/controls for any equipment received through a Student Technology Fee. If requested equipment that will be either/or checkout to students or moved within the department, please provide a checkout/loan

The Computer Information Systems Department will control the property and it will be securely stored in each individual classroom. The technology will be secured in a lockable cart, and the cart will be securely stored in the classroom. The keys to the carts will be checked out on an individual basis to each professor. Professors assigned to specific classrooms for the semester will be able to check out a cart key for the duration of the semester for their classroom cart.

12. Does the department receive lab fees? If so, please explain the need for Student Technology Fee funds.

Yes. The department receives lab fees. The department plans to utilize lab fees to fund the wifi study, purchases for the wifi improvements in the building, and installation of the neccessary access points.

13. Attach a detailed budget.

Formal Quote for the cart + Google license + Chromebook is attached. Wifi study and improvements to Russell's infrastructure are just estimates that will change based on the new wifi implementation campus wide. Also, document with cost per classroom funded (1 to 6 is attached)

14. Attach two (2) letters of support for the project from the following individuals: the requesting department's Dean, the appropriate Vice President, or for student request, the SGA President from the requesting campus.

Cost for ONE classroom set

Items	Cost	Units	Subtotal
Chromebook 14 3400	\$ 271.00	36	\$ 9,756.00
Bretford Cube Charging Cart	\$ 1,070.00	1	\$ 1,070.00
Google Chrome Management License	\$ 25.00	36	\$ 900.00
Wifi Improvements Estimate	\$ 5,400.00		\$ 5,400.00

TOTAL \$ 17,126.00

Cost for TWO classroom sets

Items	Cost	Units	Subtotal
Chromebook 14 3400	\$ 271.00	72	\$ 19,512.00
Bretford Cube Charging Cart	\$ 1,070.00	2	\$ 2,140.00
Google Chrome Management License	\$ 25.00	72	\$ 1,800.00
Wifi Improvements Estimate	\$ 5,400.00		\$ 5,400.00

TOTAL \$ 28,852.00



Cost for THREE classroom sets

Items	Cost	Units	Subtotal
Chromebook 14 3400	\$ 271.00	108	\$ 29,268.00
Bretford Cube Charging Cart	\$ 1,070.00	3	\$ 3,210.00
Google Chrome Management License	\$ 25.00	108	\$ 2,700.00
Wifi Improvements Estimate	\$ 5,400.00		\$ 5,400.00

TOTAL \$ 40,578.00

Cost for FOUR classroom sets

Items	Cost	Units	Subtotal
Chromebook 14 3400	\$ 271.00	144	\$ 39,024.00
Bretford Cube Charging Cart	\$ 1,070.00	4	\$ 4,280.00
Google Chrome Management License	\$ 25.00	144	\$ 3,600.00
Wifi Improvements Estimate	\$ 5,400.00		\$ 5,400.00

TOTAL \$ 52,304.00

Cost for FIVE classroom sets

Items	Cost	Units	Subtotal
Chromebook 14 3400	\$ 271.00	180	\$ 48,780.00
Bretford Cube Charging Cart	\$ 1,070.00	5	\$ 5,350.00
Google Chrome Management License	\$ 25.00	180	\$ 4,500.00
Wifi Improvements Estimate	\$ 5,400.00		\$ 5,400.00

TOTAL

\$ 64,030.00

Cost for SIX classroom sets

Items	Cost	Units	Subtotal	
Chromebook 14 3400	\$ 271.00	216	\$ 58,536.00	
Bretford Cube Charging Cart	\$ 1,070.00	6	\$ 6,420.00	
Google Chrome Management License	\$ 25.00	216	\$ 5,400.00	
Wifi Improvements Estimate	\$ 5,400.00		\$ 5,400.00	

TOTAL \$ 75,756.00

From:

Support

To:

Begona Perez-Mira

Subject:

[#40024]: Estimate for Wifi Expansion

Date:

Wednesday, November 20, 2019 9:26:43 AM

A very rough estimate would be about \$5,400. That's based on 4 additional access points, each one at a cost of about \$1000 plus another \$200 for the ceiling insert and \$150 for the network wiring.

Request Details

Request ID: 40024

Category: Telephones, Cellphones, & Network

Type: Network Status: Open Priority: Low

You can check the status of or update this request online at: https://support.nsula.edu/index.php?/Tickets/Ticket/View/40024



A quote for your consideration.

Based on your business needs, we put the following quote together to help with your purchase decision. Below is a detailed summary of the quote we've created to help you with your purchase decision.

To proceed with this quote, you may respond to this email, order online through your **Premier page**, or, if you do not have Premier, use this **Quote to Order**.

Quote No.	3000050469331.1	Sales Rep	Blake Masters
Total	\$70,356.00	Phone	(800) 456-3355, 5131681
Customer #	28657231	Email	Blake_Masters@Dell.com
Quoted On	Nov. 18, 2019	Billing To	ACCOUNTS PAYABLE
Expires by	Dec. 18, 2019		NORTHWESTERN STATE UNIV
Deal ID	13937921		PO BOX 5655
			ST DENIS HALL
			NATCHITOCHES, LA 71497-0001

Message from your Sales Rep

Please contact your Dell sales representative if you have any questions or when you're ready to place an order. Thank you for shopping with Dell!

Regards, Blake Masters

Custom Fields:

State Contract: 70137

Product	Unit Price	Qty	Subtotal
Chromebook 14 3400	\$271.00	216	\$58,536.00
GOOGLE CHROME OS MANAGEMENT CONSOLE LICENSE, EDUCATION	\$25.00	216	\$5,400.00
Bretford Cube Charging Cart - Cart (charge only) for 36 tablets / Laptops - lockable - welded steel - charcoal	\$1,070.00	6	\$6,420.00

Subtotal:	\$70,356.00
Shipping:	\$0.00
Non-Taxable Amount:	\$70,356.00
Taxable Amount:	\$0.00
Estimated Tax:	\$0.00
Total:	\$70,356.00

Chromebook 14 3400 Estimated delivery if purchased today: Dec. 17, 2019		\$271.00	Qty 216	Subtotal \$58,536.00
Contract # WN14AGW Customer Agreement # -4400002525				
Description	SKU	Unit Price	Qty	Subtotal
Dell Chromebook 3400	210-ARJN	-	216	-
Intel(R) Celeron(TM) N4000 Processor (2 Core, 2.6GHz, 4M cache, 6W)	338-BQJI	-	216	-
4GB 2400MHz LPDDR4 Non-ECC	370-ADZI		216	-
32GB eMMC Hard Drive	400-AWCZ	-	216	-
14.0" HD (1366 x 768) Anti-Glare Non-Touch, Camera & Microphone, WLAN Capable	391-BDYI	-	216	-
US English Keyboard, non-backlit	580-AHRW		216	-
No Mouse	570-AADK	-	216	-
Intel(R) Dual Band Wireless AC 9560 (802.11ac) 2x2 + Bluetooth 5.0	555-BEVK	-	216	-
Label 0X41	389-DPUF		216	1=1
Primary 3-Cell 42WHr Battery	451-BCNK	-	216	-
65W AC Adapter 250V,1M	492-BCNV	-	216	1=0
US Power Cord	537-BBBL	-	216	-
Fixed Hardware Configuration	998-DKBC	-	216	-
Placemat	340-CKVP	-	216	1-1
Not Included	631-ABBH	-	216	-
EAN label	389-BKKL	-	216	-
BTS/BTP Smart Selection Shipment, Chromebook (SML)	800-BBQB	-	216	-
Non-Touch LCD Cover	320-BCTO	-	216	-
System Shipment, Chromebook 3400	340-CKVQ	-	216	-
No UPC Label	389-BCGW	-	216	-
Safety/Environment and Regulatory Guide (English/Spanish)	340-AGIN	-	216	-
No Carrying Case	460-BBEX	-	216	-
Intel(R) Label	389-BHZJ	-	216	-
Onsite/In-Home Service After Remote Diagnosis, 1 Year	823-5270	-	216	
Onsite/In-Home Service After Remote Diagnosis, 2 Years Extended	823-5273	-	216	-
Dell Limited Hardware Warranty Initial Year	823-5285	-	216	-
Dell Limited Hardware Warranty Extended Year(s)	975-3461	-	216	
GOOGLE CHROME OS MANAGEMENT CONSOLE LICENSE EDUCATION Estimated delivery if purchased today: Dec. 04, 2019	,	\$25.00	Qty 216	\$5,400.00
Contract # WN14AGW Customer Agreement # -4400002525				
Description 440002223	SKU	Unit Price	Qty	Subtotal
Chrome Education	A7611038		216	
			Qty	Subtotal

Bretford Cube Charging Cart - Cart (charge only) for 36 table - lockable - welded steel - charcoal Estimated delivery if purchased today: Nov. 26, 2019 Contract # WN14AGW Customer Agreement #-4400002525	ets / Laptops	\$1,070.00	6	\$6,420.00
Description	SKU	Unit Price	Qty	Subtotal
Bretford Cube Charging Cart - Cart (charge only) for 36 tablets / Laptops - lockable - welded steel - charcoal	AA195902	-	6	-
		S	Subtotal: Shipping: Estimated Tax:	
		Total:		\$70.356.00

Important Notes

Terms of Sale

This Quote will, if Customer issues a purchase order for the quoted items that is accepted by Supplier, constitute a contract between the entity issuing this Quote ("Supplier") and the entity to whom this Quote was issued ("Customer"). Unless otherwise stated herein, pricing is valid for thirty days from the date of this Quote. All product, pricing and other information is based on the latest information available and is subject to change. Supplier reserves the right to cancel this Quote and Customer purchase orders arising from pricing errors. Taxes and/or freight charges listed on this Quote are only estimates. The final amounts shall be stated on the relevant invoice. Additional freight charges will be applied if Customer requests expedited shipping. Please indicate any tax exemption status on your purchase order and send your tax exemption certificate to Tax_Department@dell.com or ARSalesTax@emc.com, as applicable.

Governing Terms: This Quote is subject to: (a) a separate written agreement between Customer or Customer's affiliate and Supplier or a Supplier's affiliate to the extent that it expressly applies to the products and/or services in this Quote or, to the extent there is no such agreement, to the applicable set of Dell's Terms of Sale (available at http://www.dell.com/terms or www.dell.com/oemterms); and (b) the terms referenced herein (collectively, the "Governing Terms"). Different Governing Terms may apply to different products and services on this Quote. The Governing Terms apply to the exclusion of all terms and conditions incorporated in or referred to in any documentation submitted by Customer to Supplier.

Supplier Software Licenses and Services Descriptions: Customer's use of any Supplier software is subject to the license terms accompanying the software, or in the absence of accompanying terms, the applicable terms posted on www.Dell.com/eula. Descriptions and terms for Supplier-branded standard services are stated at www.dell.com/servicecontracts/global or for certain infrastructure products at www.dellemc.com/en-us/customer-services/product-warranty-and-service-descriptions.htm

Offer-Specific, Third Party and Program Specific Terms: Customer's use of third-party software is subject to the license terms that accompany the software. Certain Supplier-branded and third-party products and services listed on this Quote are subject to additional, specific terms stated on www.dell.com/offeringspecificterms.

In case of Resale only: Should Customer procure any products or services for resale, whether on standalone basis or as part of a solution, Customer shall include the applicable software license terms, services terms, and/or offer-specific terms in a written agreement with the enduser and provide written evidence of doing so upon receipt of request from Supplier.

In case of Financing only: If Customer intends to enter into a financing arrangement ("Financing Agreement") for the products and/or services on this Quote with Dell Financial Services LLC or other funding source pre-approved by Supplier ("FS"), Customer may issue its purchase order to Supplier or to FS. If issued to FS, Supplier will fulfill and invoice FS upon confirmation that: (a) FS intends to enter into a Financing Agreement with Customer for this order; and (b) FS agrees to procure these items from Supplier. Notwithstanding the Financing Agreement, Customer's use (and Customer's resale of and the end-user's use) of these items in the order is subject to the applicable governing agreement between Customer and Supplier, except that title shall transfer from Supplier to FS instead of to Customer. If FS notifies Supplier after shipment that Customer is no longer pursuing a Financing Agreement for these items, or if Customer fails to enter into such Financing Agreement within 120 days after shipment by Supplier, Customer shall promptly pay the Supplier invoice amounts directly to Supplier.

Customer represents that this transaction does not involve: (a) use of U.S. Government funds; (b) use by or resale to the U.S. Government; or (c) maintenance and support of the product(s) listed in this document within classified spaces. Customer further represents that this transaction does not require Supplier's compliance with any statute, regulation or information technology standard applicable to a U.S. Government procurement.

For certain products shipped to end users in California, a State Environmental Fee will be applied to Customer's invoice. Supplier encourages customers to dispose of electronic equipment properly.

Electronically linked terms and descriptions are available in hard copy upon request.

^Dell Business Credit (DBC):

OFFER VARIES BY CREDITWORTHINESS AS DETERMINED BY LENDER. Offered by WebBank to Small and Medium Business customers with approved credit. Taxes, shipping and other charges are extra and vary. Minimum monthly payments are the greater of \$15 or 3% of account balance. Dell Business Credit is not offered to government or public entities, or business entities located and organized outside of the United States.

Provost & Vice President for Academic Affairs 211 Caspari Hall | Natchitoches, LA 71497

Dear Committee Members,

I am pleased to recommend the proposal submitted by Dr. Begona Perez-Mira to the Office of Student Technology for the Fall 2019 Student Technology Grant. The acquisition of the Chromebooks will make a big difference in the learning environment of the students as well as the teaching possibilities of the instructors.

With this purchase, students will be able to utilize the latest technologies in the classroom even when there is no laboratory open. Some students are able to bring their own hardware to the classroom when requested by the professor without any problems. However, we still have a large number of students that do not own or are not able to secure a mobile hardware system that can travel with them between classes. This Mobile Lab will definitely help remediate this situation.

Moreover, with this Mobile Lab, instructors will be able to integrate more technology options to their face to face classes when not being offered in a laboratory setting. Currently, instructors are wary of requesting the use of technology in the classroom (when not located in lab setting) because not all students own a mobile system. With this grant, this technology gap will be reduced and students will be able now to utilize technology when requested by the faculty member.

I appreciate your consideration of this proposal and I know of no better way to make a difference in this academic department than to purchase this much needed equipment.

Sincerely,

Greg A. Handel, D.M.A.

Provost and Vice President of Academic Affairs

Dear Committee Members,

I am pleased to recommend the proposal submitted by Dr. Begona Perez-Mira to the Office of Student Technology for the Fall 2019 Student Technology Grant.

As you already know, our students come from a broad range of regions and families that are challenged in finding an affordable education in Business. The new devices purchased will help us provide access to technology for students who don't have the necessary resources to secure laptops or tablets to bring into the classroom when required by the instructor. It will also help instructors enhance those classes that are being taught in locations where there are no computers available.

Our job is to provide the tools that help students meet the highest possible standards and to change those tools as students, culture, and future worker requirements change. The devices will assist us greatly in providing access to technology that will help our students gather the skills necessary to engage in creative communications, explore new vehicles for expressing themselves, contribute to our business culture, and develop appropriate job skill sets.

The opportunity to research, complete real-world case studies, or even develop business technology related projects should be open to every student in this University no matter his/her possibility to secure the required technology. We should be able to provide a complete experience to our students no matter their major or economic status. These devices will help the School of Business close the Digital Gap that still exists for many of our students.

Regards,

Margaret S. Kilcoyne, Ph.D.

Dean, College of Business and Technology

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