

UNIVERSITY OF LOUISIANA AT LAFAYETTE

STEP Committee

Technology Fee Application

Rougeou 211 Engineering CAD Lab Upgrade

Title

Harvey Ozbirn

Name of Submitter

Engineering

Organization

Title: Rougeou 211 Engineering CAD Lab Upgrade Date: 01-10-2018
Name (Contact Person): Harvey Ozbirn
Address: Rougeou Hall Room 283
Phone Number: 2-6850 Email: harvey@louisiana.edu
Department/College/Org: Industrial Technology/Engineering

ABSTRACT (250 words or less):

A private donor, (Franks Casing Crew) generously paid a few hundred thousand dollars to refurbish Engineering's CAD room (Rougeou 211). As the current computers are over 5 years old, they have reached their usefulness, as demands on current Engineering software is causing blue screens, crashes, and lockups for both students, as well as instructors. The current Dell 790 machines are experiencing a 37% breakdown rate, which is unacceptable. Our original donor purchase of 55 desktops are down to 41. The replacement specs. are for a more robust machine as compared to UL Lafayette's standard desktops, to effectively run our Engineering applications, which will serve 2600 students in Engineering, most of which will have to take classes in this lab.

A. Purpose of Grant and Impact on Student Body:

1. Replacement of the current computers with machines that can handle the demanding needs of today's engineering programs. The current machines have long surpassed their usefulness, but are still being used until replacements can be obtained. All departments within the College of Engineering that utilize this computer lab will benefit from the improvement.
2. The level of frustration by students is evident when they sometimes have to change seats when the computer they are using "freezes up", or does not have sufficient drive space to hold their projects. It is anticipated that this will only get worse as software upgrades tend to be even more demanding on the computers. Having updated computers to lessen the time to complete their tasks will benefit both graduate and under graduate students. Students will value leaving a program having experienced cutting edge technologies which they can bring to businesses and other educators.
3. This lab is the ONLY CAD lab the College of Engineering teaches in. It is heavily utilized both day and night to accommodate the needs of multiple departments within the college.

Mr. Mosing, of Frank's Casing Crew, has been a tremendous donor to the university, funding several projects. We are hoping to have this proposal funded to help carry on his legacy.

B. The Projected Lifetime of Enhancement:

These upgrades are expected to last for at least 5 years, given the improved technology of today's computers.

C. Person responsible for:

- | | |
|-----------------------------------|---------------------------------------|
| i. Implementation | Harvey Ozbirn, College of Engineering |
| ii. Installation | Harvey Ozbirn, College of Engineering |
| iii. Maintenance | Harvey Ozbirn, College of Engineering |
| iv. Operation | Harvey Ozbirn, College of engineering |
| v. Training (with qualifications) | N.A. |

D. Narrative of the proposal:

The 55 desktop computers will replace what is in the lab now. All software on current machines will be deleted & installed on the new machines. All machines will be in the WIN domain.

The software will be installed as part of the standard UL configuration.

Budget Proposal

1.	Equipment	\$100,702.25	55 desktop computers & monitors ** Quote Attached **
2.	Software	\$0.0	
3.	Supplies	\$0.0	
4.	Maintenance	\$0.0	
5.	Personnel	\$0.0	
6.	Other	\$0.0	

TOTAL:	\$100,702.25
---------------	---------------------

Harvey Ozbirn is the I.T. Director for the College of Engineering, and has applied for several technology-related grants for the college. He had a grant for memory for a computer lab funded last Spring.



A quote for your consideration!

Based on your business needs, we put the following quote together to help with your purchase decision. Please review your quote details below, then contact your sales rep when you're ready to place your order.

**Total: \$
100,702.25**

Quote number:	Quote date:	Quote expiration:	Deal ID:
3000021125922.1	Jan. 9, 2018	Feb. 8, 2018	13655812

Company name:	Customer number:	Phone:
UNIV OF LOUISIANA--LAFAYETTE	63043892	(337) 482-6852

Sales rep information:	Billing Information:
Blake Masters Blake_Masters@Dell.com (800) 456-3355 Ext: 5131681	UNIV OF LOUISIANA-- LAFAYETTE PO BOX 40400 LAFAYETTE LA 70504-0001 US (337) 482-6852

Pricing Summary

Item	Qty	Unit Price	Subtotal
Precision 5820 Tower	55	\$1,698.71	\$93,429.05
Dell 22 Monitor - P2217H	55	\$132.24	\$7,273.20
Subtotal:			\$100,702.25
Shipping:			\$0.00
Environmental Fees:			\$0.00
Non-Taxable Amount:			\$100,702.25
Taxable Amount:			\$0.00
Estimated Tax:			\$0.00
Total:			\$100,702.25

Special lease pricing may be available for qualified customers. Please contact your DFS Sales Representative for details.

Dear Customer,

Your Quote is detailed below; please review the quote for product and information accuracy. If you find errors or desire certain changes please contact me as soon as possible.

Regards,

Blake Masters

Order this quote easily online through your [Premier page](#), or if you do not have Premier, using [Quote to Order](#)

SKU	Description	Qty	Unit Price	Subtotal
	Precision 5820 Tower	55	\$1,698.71	\$93,429.05
	Estimated delivery date: Feb. 5, 2018			
	Contract No: WN14AGW			
	Customer Agreement No: -4400002525			
210-ANJK	Precision 5820 Tower XCTO Base	55	-	-
338-BNBK	Intel Xeon W-2102 2.9GHz, 4C, 8.25M Cache, No Turbo, No HT, (120W) DDR4-2400	55	-	-
412-AALF	CPU Heatsink 5820 Tower	55	-	-
619-AMUB	Windows 10 Pro for Workstations (up to 4 Cores) Multi - English, French, Spanish	55	-	-
817-BBBC	Not selected in this configuration	55	-	-
321-BDCP	Precision 5820 Tower 425W Chassis	55	-	-
490-BECH	NVIDIA NVS 310, 1GB, 2 DP (2 DP to DVI adapters) (5820T)	55	-	-
370-ADVE	32GB (2x16GB) 2666MHz DDR4 RDIMM ECC	55	-	-
631-ABML	No Out-of-Band Systems Management	55	-	-
449-BBLT	SATA/SAS Hard Drive/Solid State Drive	55	-	-
403-BBRL	Integrated Intel AHCI SATA chipset controller (8x 6.0Gb/s), SW RAID 0,1,5,10	55	-	-
400-ASSQ	2.5" 500GB 7200rpm SATA Hard Drive	55	-	-
400-AKZR	No Hard Drive	55	-	-
400-AKZR	No Hard Drive	55	-	-
400-AKZR	No Hard Drive	55	-	-
429-ABEP	Slim filler panel (no opt.)	55	-	-
429-AAVR	16x Half Height DVD-/+RW	55	-	-

400-AKZR	No Hard Drive	55	-	-
400-AKZR	No Hard Drive	55	-	-
780-BBCJ	None	55	-	-
580-ADJC	Dell KB216 Wired Multi-Media Keyboard English Black	55	-	-
275-BBBW	Dell MS116 Wired Mouse, Black	55	-	-
340-ADBJ	Thank You for Choosing Dell	55	-	-
555-BBJO	No Additional Network Card Selected (Integrated NIC included)	55	-	-
817-BBBC	Not selected in this configuration	55	-	-
470-AAKG	US 125V Power Cord	55	-	-
340-BYNM	Placemat 5820 Tower MUI DAO	55	-	-
430-XXYU	Resource DVD not Included	55	-	-
620-AALW	OS-Windows Media Not Included	55	-	-
387-BBBE	No Energy Star	55	-	-
658-BDQM	Dell Precision Optimizer (DPO)	55	-	-
658-BBTV	CMS Essentials DVD no Media	55	-	-
340-AGIK	Safety/Environment and Regulatory Guide (English/French Multi-language)	55	-	-
411-XXYB	Boot drive or storage volume is greater than 2TB (select when 3TB/4TB HDD is ordered)	55	-	-
461-AABV	No Accessories	55	-	-
329-BBJL	TPM Enabled	55	-	-
389-CGKG	T5820 425W Regulatory Label (DAO)	55	-	-
575-BBCH	No Stand included	55	-	-
328-BCRU	Ship Material Tower 5820,7820	55	-	-
340-AEYP	SHIP,PWS,LNK,NO,NO,AMF	55	-	-
520-AABF	External Speaker Not Included	55	-	-
989-3449	Thank you choosing Dell ProSupport. For tech support, visit http://support.dell.com/ProSupport or call 1-866-516-3115	55	-	-
997-7163	Dell Limited Hardware Warranty Plus Service	55	-	-

997-7191	ProSupport: Next Business Day Onsite 5 Years	55	-	-
997-7211	ProSupport: 7x24 Technical Support, 5 Years	55	-	-
332-1286	US Order	55	-	-
340-AJFC	Kickstart Product Registration	55	-	-
370-AAIP	Performance Optimized	55	-	-
444-BBBG	BIOS match checked back to factory	55	-	-
444-BBBS	BIOS binary check enabled and verified	55	-	-
525-BBCL	SupportAssist	55	-	-
640-BBLW	Dell(TM) Digital Delivery Cirrus Client	55	-	-
658-BBMQ	Enable Low Power Mode	55	-	-
658-BCUV	Dell Developed Recovery Environment	55	-	-

SKU	Description	Qty	Unit Price	Subtotal
	Dell 22 Monitor - P2217H	55	\$132.24	\$7,273.20
	Estimated delivery date: Jan. 16, 2018 Contract No: WN14AGW Customer Agreement No: -4400002525			
210-AIIF	Dell 22 Monitor - P2217H	55	-	-
814-9381	Dell Limited Hardware Warranty	55	-	-
814-9382	Advanced Exchange Service, 3 Years	55	-	-
			Subtotal:	\$100,702.25
			Shipping:	\$0.00
			Environmental Fees:	\$0.00
			Estimated Tax:	\$0.00
			Total:	\$100,702.25

Important Notes

Terms of Sale

Unless you have a separate written agreement that specifically applies to this order, your order will be subject to and governed by the following agreements, each of which are incorporated herein by reference and available in hardcopy from Dell at your request: Dell's Terms of Sale (www.dell.com/learn/us/en/uscorp1/terms-of-sale), which include a binding consumer arbitration provision and incorporate Dell's U.S. Return Policy (www.dell.com/returnpolicy) and Warranty (for [Consumer warranties](#) ; for [Commercial warranties](#)).

If this purchase includes services: in addition to the foregoing applicable terms, the terms of your service contract will apply ([Consumer](#); [Commercial](#)). If this purchase includes software: in addition to the foregoing applicable terms, your use of the software is subject to the license terms accompanying the software, and in the absence of such terms, then use of the Dell-branded application software is subject to the Dell End User License Agreement - Type A (www.dell.com/AEULA) and use of the Dell-branded system software is subject to the Dell End User License Agreement - Type S (www.dell.com/SEULA).

If your purchase is for Mozy, in addition to the foregoing applicable terms, your use of the Mozy service is subject to the terms and conditions located at <https://mozy.com/about/legal/terms>.

You acknowledge having read and agree to be bound by the foregoing applicable terms in their entirety. Any terms and conditions set forth in your purchase order or any other correspondence that are in addition to, inconsistent or in conflict with, the foregoing applicable online terms will be of no force or effect unless specifically agreed to in a writing signed by Dell that expressly references such terms.

Pricing, Taxes, and Additional Information

All product, pricing, and other information is valid for U.S. customers and U.S. addresses only, and is based on the latest information available and may be subject to change. Dell reserves the right to cancel quotes and orders arising from pricing or other errors. Please indicate any tax-exempt status on your PO, and fax your exemption certificate, including your Customer Number, to the Dell Tax Department at 800-433-9023. Please ensure that your tax-exemption certificate reflects the correct Dell entity name: **Dell Marketing L.P.**

Note: All tax quoted above is an estimate; final taxes will be listed on the invoice.

If you have any questions regarding tax please send an e-mail to Tax_Department@dell.com.

For certain products shipped to end-users in California, a State Environmental Fee will be applied to your invoice. Dell encourages customers to dispose of electronic equipment properly.