

Student Technology Fee
Infrastructure Request Form
Fiscal Year 2013-14
Northwestern State University of Louisiana

ALL BLANKS MUST BE FILLED COMPLETELY

Prepared by: _____ STAT _____ For: _____ Campus Community _____

Department/Unit: _____ STAT _____ College: _____ NSU _____ Campus: _____ NSU _____

Which NSTEP Goals/Objectives does this project meet? _____ 1 - 10 _____

Requested equipment will be located/installed/housed? Building _____ Room _____

Are department property policies and procedures in place for requested equipment? _____

Which individual will be responsible for property control of the requested equipment?

Signature: _____ Date: _____

Proposal Requested Amount: \$ _____ 284,039.38 _____ Budget Attached (circle one): YES/NO

Proposal delivered to Student Technology located in Watson Library, Room 113. Date _____

The proposal must include all specifications, description, model number, quotation, cost, state contract number, and vendor for each item. If the proposal does not include all requested information, it will be returned to requestor.

1. Describe target audience.

All students enrolled through Northwestern State University. This equipment will be utilized on the Natchitoches campus and upgrade the wireless in several high traffic areas across campus. Equipment will also be purchased to serve on-line students, storage capacity and connectivity to the network.

2. Describe project/initiative for which you are requesting funds.

To purchase switchgear and wireless equipment to upgrade the current infrastructure. Equipment will also be purchased to provide storage space for student information.

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

To purchase switchgear and wireless equipment to upgrade the current infrastructure. Equipment will also be purchased to provide storage space for student information.

4. Indicate how each project objective will be evaluated.

The effectiveness of the items purchased will be measured by student usage.

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

Objectives 1 – 9 will be enhanced.

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

This project will directly affect numerous students. The upgrade will enhance student usage and assist the campus community with connectivity

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

Jennifer Long, Student Technology – will serve as project manager

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

Student Technology along with the IS department will be provide all technical support necessary.

9. Provide a schedule for implementation and evaluation.

Funding – November

Purchase – December

Installation – Spring Semester

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

The equipment has a life span of 5 years.

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 you are requesting equipment that will be either/or checkout to students or moved within the department, you must provide a checkout/loan policy.

The department will adhere to policies in place by the university.

12. Attach a detailed budget.

Department	Description	Cost/Each	Amount
SAN Storage	Storage for student information	\$ 49,211.76	\$ 49,211.76
CAPA Old & New Wireless	Upgrade Wireless Network	\$ 48,628.22	\$ 48,628.22
CAPA Old & New Hardware	Upgrade Hardware/Switchgear	\$ 19,275.30	\$ 19,275.30
Watson Wireless	Upgrade Wireless Network	\$ 28,484.09	\$ 28,484.09
TEC Wireless	Upgrade Wireless Network	\$ 18,109.82	\$ 18,109.82
Student Union Hardware	Upgrade Hardware/Switchgear	\$ 28,174.55	\$ 28,174.55
F5 Load Balancer	Network balance	\$ 77,655.60	\$ 77,655.60
ACS Servers	Servers for student storage	\$ 12,879.00	\$ 12,879.00
Backup Servers	Backup servers	\$ 1,621.04	\$ 1,621.04
Total			\$ 284,039.38

Funding Source	SAN Storage	% Total SAN	Equallogic	Compellant	Netapp	Nimble
Alumni	160	0.80%	\$ 1,846.28	\$ 2,569.78	\$ 2,264.72	\$ 2,104.71
Aux Services	420	2.09%	\$ 4,846.49	\$ 6,745.67	\$ 5,944.89	\$ 5,524.86
Department Lab Fees	915	4.56%	\$ 10,558.43	\$ 14,695.92	\$ 12,951.36	\$ 12,036.30
E-Fee	9290	46.32%	\$ 107,199.79	\$ 149,207.78	\$ 131,495.20	\$ 122,204.66
Operating	5529	27.57%	\$ 63,799.70	\$ 88,800.65	\$ 78,259.05	\$ 72,729.81
Student Tech Fee	3741	18.65%	\$ 43,169.31	\$ 60,085.90	\$ 52,953.06	\$ 49,211.76

Vendor	Quote
Dell Equallogic	\$ 231,420.00
Dell Compellant	\$ 322,105.71
NetApp	\$ 283,868.27
Nimble	\$ 263,812.11

Backup System

Vendor	Quote
Dell	\$ 20,266.49
Total	\$ 20,266.49

New Arts Wireless

Description	Qty	Unit Price	Total
Cisco Aironet 3602I IEEE 802.11n 450 Mbps Wireless Access	21	\$867.10	\$18,209.10
Ceiling Tile Inserts	21	\$225.00	\$4,725.00
Wiring Drops	21	\$150.00	\$3,150.00
			\$0.00
			\$0.00
			\$0.00
Fine Arts (Old & New)			\$0.00

 Total Sessions: 93,138

Total: \$26,084.10

SSID: student
 Sessions: 81,203 (87.19%)

Student Tech \$22,693.17
 University \$3,390.93

SSID: nsula
 Sessions: 11,753 (12.62%)

\$26,084.10

SSID: nsulaguest
 Sessions: 150 (0.16%)

SSID: managed
 Sessions: 32 (.03%)

Old Arts Wireless

Description	Qty	Unit Price	Total
Cisco Aironet 3602I IEEE 802.11n 450 Mbps Wireless Access	24	\$867.10	\$20,810.40
Ceiling Tile Inserts	24	\$225.00	\$5,400.00
Wiring Drops	24	\$150.00	\$3,600.00
			\$0.00
			\$0.00
			\$0.00
Fine Arts (Old & New)			\$0.00

Total Sessions: 93,138	Total:	\$29,810.40
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SSID: student		
Sessions: 81,203 (87.19%)	Student Tech	\$25,935.05
	University	\$3,875.35

SSID: nsula		
Sessions: 11,753 (12.62%)		\$29,810.40

SSID: nsulaguest		
Sessions: 150 (0.16%)		

SSID: managed		
Sessions: 32 (.03%)		

New and Old Arts Wired

Description	Qty	Unit Price	Total
Catalyst 3750X 12 Port GE SFP IP Services	1	\$8,120.00	\$8,120.00
SMARTNET 24X7X4 Catalyst 3750X 12 Port GE SFP IP	1	\$1,344.00	\$1,344.00
Catalyst 3K-X 10G Network Module option PID	1	\$1,450.00	\$1,450.00
Catalyst 2960S 48 GigE PoE 740W 2 x 10G SFP+ LA	10	\$4,637.10	\$46,371.00
SMARTNET 24X7X4 Cat 2960S Stk48 GigE PoE	10	\$537.60	\$5,376.00
Catalyst 2960S FlexStack Stack Module optional for LAN	10	\$693.10	\$6,931.00
Cisco FlexStack 1m stacking cable	1	\$58.00	\$58.00
1000BASE-SX SFP transceiver module MMF 850nm DOM	6	\$290.00	\$1,740.00
			\$0.00
 Fine Arts (Old & New) -----		Total:	\$71,390.00
Student: 27%		Student Tech	\$19,275.30
Faculty/Staff: 73%		University	\$52,114.70
			\$71,390.00

Watson Wireless

Description	Qty	Unit Price	Total
Cisco Aironet 3602I IEEE 802.11n 450 Mbps Wireless Access	21	\$867.10	\$18,209.10
Ceiling Tile Inserts	21	\$225.00	\$4,725.00
Wiring Drops	21	\$150.00	\$3,150.00
Catalyst 2960S 48 GigE PoE 740W 2 x 10G SFP+ LAN	1	\$4,637.10	\$4,637.10
1000BASE-SX SFP transceiver module MMF 850nm DOM	2	\$290.00	\$580.00

Watson Library

 Total Sessions: 20,600

Total: \$31,301.20

SSID: Student

Sessions: 18,696 (91%)

Student Tech

\$28,484.09

University

\$2,817.11

SSID: nsula

Sessions: 1,852 (8%)

\$31,301.20

SSID: nsulaguest

Sessions: 52 (<1%)

TEC Wireless

Description	Qty	Unit Price	Total
Cisco Aironet 3602I IEEE 802.11n 450 Mbps Wireless Access	18	\$867.10	\$15,607.80
Ceiling Tile Inserts	18	\$225.00	\$4,050.00
Wiring Drops	18	\$150.00	\$2,700.00
			\$0.00
			\$0.00
			\$0.00
TEC			\$0.00

 Total Sessions: 7,747

Total: \$22,357.80

SSID: student
 Sessions: 6,266 (80.88%)

Student Tech \$18,109.82
 University \$4,247.98

SSID: nsula
 Sessions: 1,403 (18.11%)

\$22,357.80

SSID: nsulaguest
 Sessions: 78 (1%)

Student Union Wired

Description	Qty	Unit Price	Total
Catalyst 3750X 12 Port GE SFP IP Services	1	\$8,120.00	\$8,120.00
SMARTNET 24X7X4 Catalyst 3750X 12 Port GE SFP IP	1	\$1,344.00	\$1,344.00
Catalyst 3K-X 10G Network Module option PID	1	\$1,450.00	\$1,450.00
Catalyst 2960S 48 GigE PoE 740W 2 x 10G SFP+ LA	9	\$4,637.10	\$41,733.90
SMARTNET 24X7X4 Cat 2960S Stk48 GigE PoE	9	\$537.60	\$4,838.40
Catalyst 2960S FlexStack Stack Module optional for LAN	9	\$693.10	\$6,237.90
Cisco FlexStack 1m stacking cable	1	\$58.00	\$58.00
1000BASE-SX SFP transceiver module MMF 850nm DOM	6	\$290.00	\$1,740.00
			\$0.00

Student Union

Total:

\$65,522.20

 Student: 70%
 Faculty/Staff: 30%

**Student Tech
 University**

**\$45,865.54
 \$19,656.66
 \$65,522.20**

F5 Load Balancers

Description	Qty	Unit Price	Total		Number
BIG-IP CAT A LTM 4000S 16GB MEM MAX SSL MAX COMP (A6763886)	2	\$24,031.19	\$48,062.38		
BIG-IP SVC PRE L1-3 CAT HW54 (A1750112)	2	\$4,844.05	\$9,688.10		
BIG-IP Access Policy Manager - License - 500 concurrent users	2	\$10,120.02	\$20,240.04	Faculty	348
BIG-IP SVC PRE L1-3 CAT SW50	2	\$1,937.05	\$3,874.10	Staff	513
Big IP UPG CAT-A FIELD SINGLE 400W AC POWER 4000 SERIES	2	\$1,425.00	\$2,850.00	Students	9540
			\$0.00		
			\$0.00		
			\$0.00		10401
			\$0.00		
				Cost per users	\$8.14
		Total:	\$84,714.62		
		Student Tech	\$77,655.60		8.14
		University	\$7,059.02		
			\$84,714.62		

ACS Servers

Description	Qty	Unit Price	Total		Number
ACS application on SNS-3415-K9 appl. w/ BASE lic	1	\$7,422.25	\$7,422.25		
SMARTNET 24X7X4 Small Secure Network	1	\$1,850.10	\$1,850.10		
ACS 5.4 VMware Software Upgrade	1	\$4,617.25	\$4,617.25	Faculty	348
SW APP SUPP ACS 5.4 VMware Software	1	\$1,679.30	\$1,679.30	Staff	513
Trade-in value for 2 CSACSE-1113-UP-K9 2 CSACSE-113-K9	1	-\$1,550.00	-\$1,550.00	Students	9540
			\$0.00		
			\$0.00		
			\$0.00		10401
			\$0.00		
				Cost per users	\$1.35
		Total:	\$14,018.90		
		Student Tech	\$12,879.00		
		University	\$1,139.90		
			\$14,018.90		1.35

Funding Source	Backup Storage	% Total Backup	Dell Quote
Alumni	160	1.36%	\$ 275.92
Aux Services	150	1.28%	\$ 258.68
Department Lab Fees	385	3.28%	\$ 663.94
E-Fee	5570	47.40%	\$ 9,605.54
Operating	3495	29.74%	\$ 6,027.18
Student Tech Fee	940	8.00%	\$ 1,621.04