Student Technology Fee
Infrastructure Request Form
Fiscal Year 2015-16
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 - 9_____

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:$___215,666.23_____ 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 retuned to requestor.

1. Describe target audience.   All students enrolled through Northwestern State University. This equipment will be utilized on the Natchitoches and Shreveport campus to upgrade the wireless in several high traffic areas across campus.
2. Describe project/initiative for which you are requesting funds.   To purchase switchgear and wireless equipment to upgrade the current infrastructure.
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.
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 – November/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
Core Network	Core Infrastructure	$ 98,085.45	$ 98,085.45
Kyser Wireless	Upgrade Wireless	$ 42,761.20	$ 42,761.20
CAPA Wireless	Room 115 Wireless	$ 2,171.88	$ 2,171.88
Williamson Wireless	Upgrade Wireless	$ 28,734.65	$ 28,734.65
Morrison Wireless	Upgrade Wireless	$ 10,223.85	$ 10,223.85
Fournet Wireless	Upgrade Wireless	$ 13,950.15	$ 13,950.15
FACS Wireless	Upgrade Wireless	$ 11,665.40	$ 11,665.40
Shreveport Wireless	Upgrade Wireless	$ 8,073.65	$ 8,073.65
Total			**$ 215,666.23**

Core Network

Description	Qty	Unit Price	Total
Catalyst 6807-XL 7-slot chassis, 10RU	2	$9,000.00	$18,000.00
SNTC-8X5XNBD Catalyst 6807-XL 7-s	2	$4,137.45	$8,274.90
Catalyst 6807-XL Chassis Fan Tray	2	$300.00	$600.00
Cat 6500 Sup 2T with 2 x 10GbE and 3 x 1GbE with MSFC5 PFC4	2	$16,800.00	$33,600.00
Cisco CAT6000-VS-S2T IOS ADVANCED IP SERVICES FULL ENCRYPT	2	$9,000.00	$18,000.00
Catalyst 6800 32 port 10GE with integrated dual DFC4	2	$21,000.00	$42,000.00
10GBASE-LR SFP Module, Enterprise-Class	32	$1,140.00	$36,480.00
10GBASE-SR SFP Module, Enterprise-Class	8	$390.00	$3,120.00
10GBASE-LRM SFP Module	16	$597.00	$9,552.00
Catalyst 6807-XL 3000W Power Supply	8	$1,800.00	$14,400.00
10GBASE-CU SFP+ Cable 5 Meter	4	$90.00	$360.00
Catalyst 2960-X 48 GigE PoE 740W, 2 x 10G SFP+, LAN Base	2	$4,797.00	$9,594.00
SNTC-8X5XNBD Catalyst 2960-X 48 GigE PoE 740W, 2 x 10	2	$378.00	$756.00
Catalyst 2960-X FlexStack Plus Stacking Module	2	$717.00	$1,434.00
		Total:	**$196,170.90**

This project will replace the two core network switches located in Roy Hall and St. Denis. The current swithces are approaching end of life and will not be covered by support. This project will also allow for 10Gbps connections to buildings that are connected via single mode fiber.

Student Tech	$98,085.45
University	$98,085.45
	$196,170.90

Kyser Wireless

Description	Qty	Unit Price	Total
AIR-CAP3702I-A-K9 - 802.11ac Ctrlr AP 4x4:3SS w/CleanAir	66	$867.10	$57,228.60
L-LIC-WISM2-100A 100 AP Adder License for WiSM-2	2	$8,987.10	$17,974.20
CON-SNT-LWSM21A SNTC-8X5XNBD 100 AP Adder License for WiSM-2	2	$1,409.80	$2,819.60
Ceiling Inserts	20	$225.00	$4,500.00
Wiring Drops	20	$150.00	$3,000.00
			$0.00
			$0.00

This project will replace 46 wireless access points in Kyser and add 20 more to increase capacity to the wireless network. The access points that are removed will be placed in other buildings around campus to upgrade or strength Wi-Fi service.

Total: **$85,522.40**

Student Tech	$42,761.20
University	$42,761.20
	$85,522.40

115 CAPA Wireless

Description	Qty	Unit Price	Total
AIR-CAP3702I-A-K9 802.11ac Ctrlr AP 4x4:3SS w/CleanAir	2	$867.10	$1,734.20
Compact Horizontal Wall Mount w/ Cover	2	$68.84	$137.68
Wiring Drops	2	$150.00	$300.00
			$0.00
			$0.00
			$0.00
			$0.00
			$0.00

This project will add two access points to New CAPA 115. This area was not covered in the initial wireless network deployment. This area now needs coverage for the classes taught in this area.

Total:	**$2,171.88**
Student Tech	$2,171.88
	$2,171.88

Williamson Wireless

Description	Qty	Unit Price	Total
AIR-CAP3702I-A-K9 802.11ac Ctrlr AP 4x4:3SS w/CleanAir	20	$867.10	$17,342.00
WS-C3650-24TD-L Cisco Catalyst 3650 24 Port Data 2x10G Uplink	1	$2,842.00	$2,842.00
CON-SNT-WSC3652L SNTC-8X5XNBD Cisco Catalyst 3650	1	$216.30	$216.30
WS-C2960X-48FPD-L Catalyst 2960-X 48 GigE PoE 740W, 2 x 10G SFP	5	$4,637.10	$23,185.50
CON-SNT-WSC296XL SNTC-8X5XNBD Catalyst 2960-X 48 GigE PoE 740W	5	$352.80	$1,764.00
C2960X-STACK Catalyst 2960-X FlexStack Plus Stacking Module	5	$693.10	$3,465.50
CAB-STK-E-1M Cisco FlexStack 1m stacking cable	5	$58.00	$290.00
CAB-STK-E-3M= Cisco Bladeswitch 3M stack cable	2	$174.00	$348.00
Ceiling Inserts	20	$225.00	$4,500.00
Wiring Itemzation	1	$3,516.00	$3,516.00
		Total:	**$57,469.30**

This project will replace both the wired and wireless network hardware in Williamson Hall.

Student Tech	$28,734.65
University	$28,734.65
	$57,469.30

Morrison Wireless

Description	Qty	Unit Price	Total
AIR-CAP3702I-A-K9 802.11ac Ctrlr AP 4x4:3SS w/CleanAir	14	$867.10	$12,139.40
Ceiling Insert	14	$225.00	$3,150.00
WS-C3650-24TD-L Cisco Catalyst 3650 24 Port Data 2x10G Uplink	1	$2,842.00	$2,842.00
CON-SNT-WSC3652L SNTC-8X5XNBD Cisco Catalyst 3650 24 Port 2x10G	1	$216.30	$216.30
Wiring for Network Drops	14	$150.00	$2,100.00
			$0.00
			$0.00
		Total:	**$20,447.70**

This project will replace wireless network hardware in Morrision Hall.

	Student Tech	$10,223.85
	University	$10,223.85
		$20,447.70

Fournet Wireless

Description	Qty	Unit Price	Total
AIR-CAP3702I-A-K9 802.11ac Ctrlr AP 4x4:3SS w/CleanAir	20	$867.10	$17,342.00
Ceiling Insert	20	$225.00	$4,500.00
WS-C3650-24TD-L Cisco Catalyst 3650 24 Port Data 2x10G Uplink	1	$2,842.00	$2,842.00
CON-SNT-WSC3652L SNTC-8X5XNBD Cisco Catalyst 3650 24 Port 2x10G	1	$216.30	$216.30
Network Drops for Access Points	20	$150.00	$3,000.00
			$0.00
			$0.00
		Total:	**$27,900.30**

This project will replace wireless network hardware in Fournet Hall.

Student Tech	$13,950.15
University	$13,950.15
	$27,900.30

FACS Wireless

Description	Qty	Unit Price	Total
AIR-CAP3702I-A-K9 802.11ac Ctrlr AP 4x4:3SS w/CleanAir	15	$867.10	$13,006.50
Ceiling Insert	20	$225.00	$4,500.00
WS-C3650-24TD-L Cisco Catalyst 3650 24 Port Data 2x10G Uplink	1	$2,842.00	$2,842.00
CON-SNT-WSC3652L SNTC-8X5XNBD Cisco Catalyst 3650 24 Port 2x10G	1	$216.30	$216.30
Network Drops for Access Points	1	$2,766.00	$2,766.00
			$0.00
			$0.00
		Total:	**$23,330.80**

This project will replace wireless network hardware in Fournet Hall.

	Student Tech	$11,665.40
	University	$11,665.40
		$23,330.80

Shreveport Wireless Expansion

Description	Qty	Unit Price	Total
AIR-CAP3702I-A-K9 - 802.11ac Ctrlr AP 4x4:3SS w/CleanAir	13	$867.10	$11,272.30
Ceiling Inserts	13	$225.00	$2,925.00
Network Drops for Access Points	13	$150.00	$1,950.00
			$0.00
			$0.00

This project will add an additional 13 access points to the Shreveport campus to add more wireless network capicity in the library and classrooms.

	Total:	**$16,147.30**
	Student Tech	$8,073.65
	University	$8,073.65
		$16,147.30