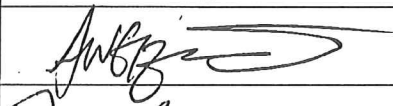



NDSU Student Technology Fee Action Plan

Request for Scope Change

Please email this request prior to implementing the requested change, to CeCe Rohwedder at cece.rohwedder@ndsu.edu

TITLE OF PROJECT- Campus Makerspace-Phase 1		
Project TFAC Number: #1801		
Project Fund Number:19594		
Total Technology Fee Award: \$13,578.84		
Remaining Balance in Award Fund:\$4,364.48		
Project Director Adam Elznic Emerging Technologies Coordinator	Campus Address:Dept 2080 1201 Albrecht Blvd, Fargo ND 58102 Phone:701-231-9746 E-mail:adam.elznic@ndsu.edu	
Name (Type or Print)	Signature	Date
Project Director ADAM ELZNIC		11-26-19
Unit Head JOE MOCNIK, DEAN		11-26-19

Description of Requested Scope Change:

After a year's assessment of the space and how it is used, we are submitting a scope change to direct funds to appropriate needs for the Digital Fabrication Lab. We request that the microcontroller budget items and CNC tooling funds be redirected to a furnishings budget. Line Items : (H),(I),(UU),(VV),(AAA),(BBB),(HHHH) from the Request form will be redirected toward new line item (JJJJ) called Furnishings Budget.

Microcontrollers like Raspi and Arduinos are readily available at low prices to students. We had planned to have a library of controllers and shields for students to experiment with, but found that many have already purchased their own.

CNC tooling funds were previously requested to support the Nomad 883 desktop cnc machines. Since then, the Digital Fabrication Lab has set aside funds to purchase these consumables and this budget item is no longer needed.

With that assessment and a newly renovated lab, we are requesting a furnishings budget. The funds would go toward purchasing of work tables, shelving, and workbenches. With the introductions of new tools like the laser engraver, we intend to build a work terminal station and add construction tables where students can work on finished projects and support equipment.

Approved Denied

Date 12/17/19

By Marc Wallman VPCT
Name & title


Signature

NDSU Student Technology Fee Action Plan Request VI. Budget

(double-click on the form to begin entering data)

1.	NDSU ORGANIZATION OR UNIT Library
2.	PROJECT DIRECTOR(S) Adam Elznic-Emerging Technologies Service Coordinator

3.	SALARIES AND WAGES				
	Personnel description	Number employed	Number of months	Funds Requested	Actual Cost
	A. Staff				
	B. Graduate students				
	C. Undergraduate students				
4.	TOTAL SALARIES AND WAGES			\$0.00	
5.	FRINGE BENEFITS			\$0.00	
6.	TOTAL SALARY, WAGES AND BENEFITS			\$0.00	

7.	EQUIPMENT				
	Describe Equipment specifics in the Budget Justification section				
	A Nomad 883-Desktop Mini-Mill	2	\$2,499.00	\$4,998.00	-\$4,998.00
	B Cricut-Maker Vinyl-Cutter	4	\$399.99	\$399.99	-\$394.13
	C Black&Decker-20v-Lithium-Ion-Cordless-3/8-Drill&Impact-Driver	3	\$99.99	\$299.97	-\$299.97
	D Black&Decker-5amp-Corded-Jig-Saw	4	\$39.97	\$39.97	-\$32.75
	E 5 gal. 1.75 Peak HP Buckethead Vac	1	\$21.97	\$21.97	
	F 3000 Series 1.2-amp Dremel-w/ 28 Accessories	2	\$49.00	\$98.00	-\$67.89
	G Rigid 14 Gal. 6.0-Peak HP Wet Dry Vac	1	\$139.99	\$139.99	
	H Raspi 3 Starter Kit	5	\$84.95	\$424.75	funds re-assigned to JJJJ
	I Adafruit Metro-MO Express	3	\$24.95	\$74.85	funds re-assigned to JJJJ
8.	MATERIALS AND SUPPLIES			\$6,615.92	
	Describe Materials and Supplies specifics in the Budget Justification section				

	J Fiskars Self-healing cutting mat 24x36	3	\$29.97	\$89.91	
	K Stanley 10-175G HI-Viz Utility Knife	4	\$2.88	\$11.52	
	K Tool-Shop-Titanium-Twist-Drill-Bit-160-Piece-SKU-2423567	4	\$29.99	\$29.99	-\$29.99
	M Stanley 12 High Tension Hacksaw sku2375761	1	\$14.99	\$14.99	
	N Menards-DDM422-Compact-Digital-Multimeter	4	\$16.49	\$16.49	-\$13.39
	O Bondhus-Torx-folding-hex-key-Sku#2446928	4	\$9.99	\$9.99	-\$9.99
	P Tool-Shop-Soldering-Iron-holders-sku-2431164	2	\$4.99	\$9.98	-\$9.98
	Q Menards-5-Gallon-BucketSKU:-6482910	4	\$2.89	\$2.89	-\$2.89
	R Surebonder-Dual-Temperature-40-Watt-Glue-GunSKU:-2317040	4	\$9.48	\$37.92	-\$15.98
	S DataShark Wire Stripper AWG 30-20	2	\$12.86	\$25.72	
	T Dremel-Rotary-Tool-Accessory-Kit	4	\$34.97	\$34.97	-\$29.97
	U Insulated Silicone Rework Mat	2	\$9.95	\$19.90	
	V Adafruit Helping Third Hand Magnifier	3	\$6.00	\$18.00	
	W Super Wide Steel Dust Pan item #67068	2	\$8.39	\$16.78	
	X 7in Bench Brush item #1072	2	\$1.99	\$3.98	
	Y Neoteck DTI digital Dial Indicator	1	\$23.95	\$23.95	
	Z Fan Fume Absorber Benchtop 115v K416-ND	2	\$102.21	\$204.42	
	AA 6 pc Precision Screwdriver Set	2	\$3.99	\$7.98	
	BB Mini Pick and Hook Set	1	\$1.99	\$1.99	
	CC Dremel-Multi-Vise	1	\$29.97	\$29.97	-\$29.97
	DD Masterforce 5" Multi-Purpose Vise M-65154 sku-2431490	1	\$69.99	\$69.99	-\$69.99

EE	Tool Shop 60 Piece Tap & Die Set m- 2438495- sku 2438495	1	\$36.99	\$36.99	-\$36.99
FF	Irwin Quick Grip 8 pack # 4935502	2	\$29.98	\$59.96	
GG	18 in Quick Release Bar Clamp #96211	4	\$4.99	\$19.96	
HH	24in Quick Release Bar Clamp #96213	4	\$5.99	\$23.96	
II	2 In Steel Spring Clamp #39529	6	\$1.99	\$11.94	
JJ	3 in Steel Spring Clamp #39530	6	\$2.99	\$17.94	
KK	6 In Industrial C-Clampem #62139	2	\$5.99	\$11.98	
LL	4 in Industrial C-Clamp item#37848	4	\$3.99	\$15.96	
MM	2 in Industrial C-Clamp item#37844	4	\$2.19	\$8.76	
NN	pegboard 50pc kit item 67581	1	\$6.99	\$6.99	
OO	800 lb Capacity 2-in-1 convertible Cart	1	\$89.98	\$89.98	
PP	Seville Classics UltraHD Lighted Work Center	2	\$248.90	\$497.80	-\$477.94
QQ	Horizontal Paper Cutter - 24" h-149	1	\$36.00	\$36.00	
RR	Fiskars Scissors	3	\$14.00	\$42.00	
SS	Low Pro Vise-	2	\$120.00	\$240.00	-\$230.00
TT	Nomad Flip Jig	2	\$120.00	\$240.00	
UU	#102 .125 flat Cutter	4	\$30.00	\$120.00	funds re-assigned to JJJJ
VV	#101 .125 Ball End Cutter	4	\$30.00	\$120.00	funds re-assigned to JJJJ
AAA	#112 .0625 Flat Cutter	4	\$30.00	\$120.00	funds re-assigned to JJJJ
BBB	#111 .0625 Ball End Cutter	4	\$30.00	\$120.00	funds re-assigned to JJJJ
CCC	Cricut StandardGrip Cutting 12x12 3 Pack-	3	\$16.99	\$50.97	-\$41.10
DDD	Cricut StrongGrip Cutting 12x12 3 Pack-	3	\$16.99	\$50.97	-\$50.97
EEE	Cricut Lightgrip Cutting Mat 12X12 3 Pack-	2	\$16.99	\$33.98	-\$33.98
FFF	Cricut Lightgrip Cutting Mat 12x24 3 Pack-	2	\$32.99	\$65.98	-\$65.98
GGG	Cricut StrongGrip Cutting 12x24 3 Pack-	2	\$32.99	\$65.98	-\$65.98
HHH	Cricut StandardGrip Cutting 12x24 3 Pack	2	\$32.99	\$65.98	
III	Cricut Knife Blade+Drive Housing	2	\$39.99	\$79.98	-\$40.82
JJJ	Cricut Scoring Wheel Combo Pack	2	\$49.99	\$99.98	-\$95.24
KKK	Adtech 50 pack 4in hot glue sticks	3	\$5.97	\$17.91	
LLL	Masterforce Utility Knife Blade Dispenser 110	1	\$8.00	\$8.00	
MMM	6 pc detail & stripping Brush Set sku 5627305	2	\$5.99	\$11.98	
NNN	36 pc 1/2 in Horsehair Bristle Acid Shop Brush	4	\$2.49	\$9.96	
OOO	Braid Rosin Gold .050x10" PN# EB1088-ND	3	\$6.05	\$18.15	
PPP	Magnet Roud NDFEB Axial PN# 469-1004-ND	100	\$0.21	\$21.00	
QQQ	Magnet Round NDFEB Axial PN 469-1002-ND	50	\$0.66	\$33.00	
RRR	Filter Repl For SA-9 Series Fume Hood 3 Pc K4	5	\$19.49	\$97.45	
SSS	Premium F/F Jumper Wires 40x3"	1	\$3.95	\$3.95	
TTT	Kraft Paper Roll S-3575	1	\$29.00	\$29.00	
UUU	PCB COPPER CLAD 6X81/16 2 Side 473-1006-N	5	\$8.93	\$44.65	
VVV	Justrite 4 Gal Flammable Cab-	1	\$392.00	\$392.00	-\$425.97
WWW	Bradley Eye Wash Station 7 Gal UNSPSCS	1	\$331.00	\$331.00	-\$256.90
XXX	Eye Wash Preservative UNSPSC	1	\$9.90	\$9.90	-\$9.90
YYY	Badger Fire Extinguisher 5.5lbs UNSPSC	2	\$66.25	\$132.50	-\$134.50
ZZZ	Body Fluid Cleanup Kit, Box	3	\$32.84	\$98.52	-\$44.60
AAAA	Blade Disposal Container sku h-839	3	\$15.00	\$45.00	-\$12.99
BBBB	Industrial Vinyl Safety Tape 3in 36yards S-659	1	\$12.10	\$12.10	-\$12.25
CCCC	Storex Plastic Wall File	2	\$7.99	\$15.98	-\$9.28
DDDD	Eyewash Station Waste Container, Yellow-	1	\$401.50	\$401.50	-\$308.00
EEEE	Seville Classics UltraGraphite Workbench	2	\$199.00	\$398.00	-\$335.28
FFFF	Marketing Material Budget	1	\$1,000.00	\$1,000.00	-\$41.60
GGGG	Maintenance Installation Budget	1	\$199.00	\$199.00	
HHHH	Raspi/Arduino Shield Component Budget	1	\$250.00	\$250.00	funds re-assigned to JJJJ
IIII	Bradley Eye Wash Station refill kit	1	\$13.77	\$13.77	-\$13.77
JJJJ	Furnishings Budget	1	\$1,229.60	\$1,229.60	
					Actual Cost Total
					-\$8,748.93

9	Total Technology Fee Request	\$13,113.41
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10	Match Describe In Match Section	\$21,496.83
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11 Remaining Budget

\$4,364.48