Engineering Student Technology Committee (ESTC):

Meeting minutes for April 24, 2002 - Engineering Conference Room - 8:00am

Present: Eric Mui (ECE), JP Murray (ECE), Mark Ritschard (ENS),
David Wiegandt (ECE), Prof. Wilmsen (ECE)

Absent: Prof. Fitzhorn (ME), Prof. Garcia (CE), Kevin Harris (ME),
Prof. Dandy (ChemE), Tim Feather (ME),
Prof. Gessler (Associate Dean for Academic Affairs),
Jennifer Meints (intra), Jenny Po (ChemE), Steve Sanborn (CE),
Marcel Zibognon (CE)

- Corrections to previous meetings minutes (4-10-02)
 none.
- College of Engineering Technology Committee (CETC)
 Wiegand reported that the CETC approved a plan to creat a faculty
 committee that would provide an overall direction for technology in the college
 and serve as an advisory committee for ENS.

- Budget for Upcoming Year

Ritschard distributed a full budget proposal, detailing expenditures for the current year and outlining a proposed budget for the coming year. After some discussion and clarification, Mui moved that the budget be approved as proposed. Murray seconded the motion and it passed unanimously. It was noted that the Strategic Initiatives category will absorb any revenue surplus or shortfall from collected student technology charges. The budget for 2002-2003 is as follows:

Advance Purchases \$22,000
Assistive Technology \$2,500
Business Expenses \$3,000

Central Services & Systems		\$249,000
College Lab Equip. Replacement	\$100,000)
Laboratory Maintenance	\$15,000	
Network Maintenance	\$4,000	
Server Maintenance & Support	\$70,000	
Student Wages	\$60,000	
Department Allocations		\$116,000
Atmospheric Science	\$20,000	
Chemical Engineering	\$12,650	
Civil Engineering	\$30,750	
Electrical & Computer Engineering	ng \$15,50	00
Intra-departmental majors	\$3,000	
Mechanical Engineering	\$34,100	
Scholarships		\$50,000
Strategic Initiatives		\$47,500
Internet Cafe	\$21,200	
Unallocated	\$26,300	
Allocated Budget	 ::	\$490,000

- Citrix farm status

The committee is having a hard time evaluating the new Citrix farm because it is not complete. Ritschard will ask Craig Mapel to provide the committee with access to the existing farm for a better evaluation.

- Summary of this year's work

Wiegand noted that the committee has made several important contributions during the past year:

- * card reader on north door (to be completed this summer)
- * Design Studio Plasma Display
- * Design Studio telephone
- * Internet Cafe is in the works
- * All new systems in GIS lab
- * 20 new computers in Design Studio
- * New Citrix farm
- * Student File System backup expansion

All agreed that it had been a good year.

The committee adjourned until next academic year.

Respectfully submitted by Mark Ritschard

College of Engineering

Budget Planning for Fiscal Year 2003 all expenses as of April 9, 2002

, ,	FY	702	Propos	ed FY03_
Advance Purchases		\$22,000		\$22,000
Assistive Technology		\$2,000		\$2,500
Business Expenses		\$2,000		\$3,000
Central Services & Systems		\$226,000		\$249,000
Computer Lab Equip. Replacement	\$110,000		\$100,000	
Laboratory Maintenance	\$20,000	ì	\$15,000	
Network Maintenance	\$6,000		\$4,000	
Server Maintenance & Support	\$30,000		\$70,000	
Student Wages	\$60,000		\$60,000	
Department Allocations		\$118,000	1	\$116,000
Atmospheric Science	\$22,000		\$20,000	
Chemical Engineering	\$14,370	Ì	\$12,650	
Civil Engineering	\$31,890		\$30,750	
Electrical & Computer Engineering	\$14,590		\$15,500	
Intra-departmental majors	\$3,000		\$3,000	
Mechanical Engineering	\$32,150		\$34,100	
Scholarships		\$50,000		\$50,000
Strategic Initiatives		\$70,000	· L	\$47,500
Backup of Student File System	\$10,000			
Internet Café	\$20,000		\$21,200	
Remote Lab Access	\$40,000			
Other			\$26,300	
	Budget:	\$490,000		\$490,000

Internet Café

Proposed Budget

	Cos	st	
	Each	Total	Unit
1) Internet Access Bar			
1 bar itself	5,000	5,000	26,400
10 seating	200	2,000	·
10 workstations	1,800	18,000	
1 printer	1,400	1,400	
2) Workstation Bench			
1 bench itself	2,000	2,000	22,000
10 seating	200	2,000	
10 workstations	1,800	18,000	
3) Conference Area			
1 table	1,000	1,000	23,500
2 partitions	5,000	10,000	•
1 workstations	2,500	2,500	
1 display/projection	8,000	8,000	
10 seating	200	2,000	
4) Vending			
1 bench/table	300	300	3,300
1 actual machines	1,500	1,500	
1 plumbing	1,500	1,500	
5) café tables			
4 tables	250	1,000	12,600
16 seating	200	3,200	
4 swivel workstations	2,100	8,400	
6) Food/Snack sales area			
1 counter	3,000	3,000	4,000
1 lockable cabinets	1,000	1,000	
vendor?			
7) Lounge area			
2 couches	250	500	6,000
4 chairs	200	800	
2 lamps	100	200	
2 coffee tables	150	300	
2 retracting workstations	2,100	4,200	
		Total Estimate	97,800
	workstations	(Central Budget)	-48,600
	display/Proje		-8,000
	Cost to Dep	partments	41,200

College of Engineering

Budget Planning for Fiscal Year 2003 all expenses as of April 9, 2002

Budget:

Assistive Technology

Fiscal Year 2001-2002 Budget:

2,000

Fiscal Year 2001-2002 Expenses:

Assistive Technology

2,555.00 2,555.00

555.00

Proposed Budget for FY03

2,500.00

Business Expenses

Fiscal Year 2001-2002 Budget:

2,000

Fiscal Year 2001-2002 Expenses:

Bad Debt

Budget:

1,476.99

Credit Card Expenses

1,582.79 3,059.78

Proposed Budget for FY03

1,059.78 3,000.00

Budget:

Scholarships

Fiscal Year 2001-2002 Budget:

50,000

Fiscal Year 2001-2002 Expenses:

Scholarships

46,673.50

46,673.50

Proposed Budget for FY03

3,326.50

54,000

50,000.00

Total Budget This Page Total Expenses This Page

52,288.28 1,711.72

Balance, This Page
Proposed Budget This Page
Change over FY02

55,500.00 +1,500.00

College of Engineering

Budget Planning for Fiscal Year 2003 all expenses as of April 9, 2002

Budget:	Central Services & Systems	
Category:	Laboratory Maintenance	
Fiscal Year 2001-2002 Budget:		20,000
Balance Forward		967.85
Fiscal Year 2001-2002 Expenses:		
Hand Truck for Lab Installations	399.00	
Hardware Upgrades	636.00	
Lab Maintenance	839.41	
Paper	2,425.16	
Printer Repairs	394.51	
Security	1,021.12	
Smart Cards for Sunrays	121.00	
Software Licenses	4,497.75	
Surge Protectors	1,865.84	
Telephone Service (Anderson & LMDS)	585.39	
Toner	2,480.50	
	15,265.68	
		3.766.47
Proposed Budget for FY03	15,000.00	
Budget:	Central Services & Systems	
Category:	Network	
Fiscal Year 2001-2002 Budget:		6,000
Fiscal Year 2001-2002 Budget: Fiscal Year 2001-2002 Expenses:		6,000
	80.31	6,000
Fiscal Year 2001-2002 Expenses:	80.31 422.00	6,000
Fiscal Year 2001-2002 Expenses: Network Cables	100.000	6,000
Fiscal Year 2001-2002 Expenses: Network Cables Network Cards	422.00	6,000
Fiscal Year 2001-2002 Expenses: Network Cables Network Cards	422.00 3,350.86	6,000 2,146.83

Total Budget This Page	
Total Expenses This Page	
Balance, This Page	
Proposed Budget This Pag	16
Change over FY02	

86,000 85,727.15 272.85

79,000,00 - 7,000.00

ludget:	
atanone	

Central Services & Systems

Student Wages

60,000

Fiscal Year 2001-2002 Expenses:

Fiscal Year 2001-2002 Budget:

Bhatt, Mukul	789.45	
Crane, Andrew	4,830.40	
Fleming, Ryan	579.60	
Forsling, Henrik	1,961.45	
Herrick, Dan	3,162.97	
Hoops, Matthew	579.60	
Jamshidi, Arta	579.60	
Kothandaraman, Vaishnavi	66.01	
Liberatore, Joe	1,707.15	
Loyd, Sean	5,215.67	
Malander, Joel	15,304.45	
Marples, Brett	10,161.98	
McCabe, Mark	5,212.48	
Min, James	475.64	
Morgan, Travis	1,385.06	
Ramachandran, Sriraman	2,282.83	
Raza, Abdul	581.67	
Robertson, Nathan	163.48	
Saikia, Ranjan	2,225.58	
Satyasekaran, Praveen	579.60	
Sirdeshmukh, Ranjani	2,094.87	
Skinner, Sara	579.60	
Thangaraj, Charles VK	2,039.70	
Tuthill, Paul	369.11	
Vallely, Justin	579.60	
Venkatesan, Anand Kumar	187.62	
Wardell, Corrine	1,333.57	
Warren, James	66.45	
Zibognon, Marcel	1,263.11	
fringe pay on above	250.00	
)E (C)	66 609 20	
	Crane, Andrew Fleming, Ryan Forsling, Henrik Herrick, Dan Hoops, Matthew Jamshidi, Arta Kothandaraman, Vaishnavi Liberatore, Joe Loyd, Sean Malander, Joel Marples, Brett McCabe, Mark Min, James Morgan, Travis Ramachandran, Sriraman Raza, Abdul Robertson, Nathan Salkia, Ranjan Satyasekaran, Praveen Sirdeshmukh, Ranjani Skinner, Sara Thangaraj, Charles VK Tuthill, Paul Vallely, Justin Venkatesan, Anand Kumar Wardell, Corrine Warren, James Zibognon, Marcel	Crane, Andrew 4,830.40 Fleming, Ryan 579.60 Forsling, Henrik 1,961.45 Herrick, Dan 3,162.97 Hoops, Matthew 579.60 Jamshidi, Arta 579.60 Kothandaraman, Vaishnavi 66.01 Liberatore, Joe 1,707.15 Loyd, Sean 5,215.67 Malander, Joel 15,304.45 Marples, Brett 10,161.98 McCabe, Mark 5,212.48 Min, James 475.64 Morgan, Travis 1,385.06 Ramachandran, Sriraman 2,282.83 Raza, Abdul 581.67 Robertson, Nathan 163.48 Saityasekaran, Praveen 579.60 Sirdeshmukh, Ranjani 2,094.87 Skinner, Sara 579.60 Thangaraj, Charles VK 2,039.70 Tuthill, Paul 369.11 Vallely, Justin Venkatesan, Anand Kumar 187.62 Wardell, Corrine 1,333.57 Warren, James 66.45 Zibognon, Marcel 1,263.11 <

6,608.30

Proposed Budget for FY03 60,000 00

Charges for Technology College of Engineering

Budget Planning for Fiscal Year 2003 all expenses as of April 9, 2002

Budget: Central Services & Systems
Category: Computer Lab Equipment Replacement

Fiscal Year 2001-2002 Budget: 110,000

Fiscal Year 2001-2002 Expenses:

 Broken Equipment Replacement
 2,944.41

 Computer Upgrades
 7,881.80

 Computers & thin-clients
 68,258.48

 Monitors
 14,622.00

 Printers
 6,062.89

 Projection
 9,106.70

 Service & Repair
 1,123.72

 110,000.00

.00

0.00

Proposed Budget for FY03

100.000.00

Total Budget This Page
Total Expenses This Page
Balance, This Page
Proposed Budget This Page
Change over FY02

110,000 110,000.00 **0.00**

100,000.00

	computers printers	(cost	
Allison Hall	4	0	8,000	
Anderson Lab	102	3	207,600	
Design Studio	36	7	80,400	
Electronic Classroom	27	1	55,200	
ERC lab	10	1	21,200	
GIS lab	21	2	44,400	
	200	14	416,800	Annual Cost 104,200
average computer	2,000			
average printer	1,200			

2002-2003	-			
	computers p	rinters c	cost	
AERC	5	1	10,400	
Allison Hall	4	0	7,200	
Anderson Lab	80	3	148,200	
Design Studio	36	7	74,600	
Electronic Classroom	40	1	73,400	
ERC lab	10	1	19,400	
GIS lab	21	1	39,200	
Internet Café	27	1	50,000	Annual Cost
	223	15	422,400	105,600
average computer	1,800			
average printer	1,400			

College of Engineering

Budget Planning for Fiscal Year 2003 all expenses as of April 9, 2002

Budget: Category:	Central Services & Syst Server Maintenance & S					
Fiscal Year 2001-2002 Budget: Balance Forward from FY01 Budget added during year Fiscal Year 2001-2002 Expenses:	30,000 4,262.98 10,000	To calcula Server Megatera	Purpose	Student share	the college populat Cost to Replace 135,000.00	Student Cost
Citrix Servers (for Elec. Classroom) ERC domain controller Print Quota Server Server Software Server Maintenance Spectralogic tape backup system Virus Software for e-mail server	16,538.00 2,145.30 426.72 162.50 615.40 12,154.10 3,695.00 35,737.02	Goku Snoopy Sunray Sunray Akbar,etc Sunray	e-mail Backup Web server Sunray server	80% 70% 50% 100% 100% 80%	41,000.00 5 15,000.00 6 25,000.00 24,000.00	28,700.00 7,500.00 25,000.00 24,000.00 64,000.00
	0.00			Annual Cost	for four-year cycle	75,050.00
Proposed Budget for FY03	70,000.00					
Total Budget This Page	30,000					

Total Budget This Page
Total Expenses This Page
Balance, This Page
Proposed Budget This Page

Proposed Budget This Page Change over FY02 35,737.02 5,737.02 70,000.00 + 40,000

Charges for Technology College of Engineering

Budget Planning for Fiscal Year 2003 all expenses as of April 9, 2002

Category:	Department All Atmospheric S	CONTRACTOR STATE	Budget: Category:	Department All Civil Engineeri	
					24 000
Fiscal Year 2001-2002 Budget:		22,000	Fiscal Year 2001-2002 Budget:		31,890
Fiscal Year 2001-2002 Expenses:			Balance Forward from FY01 Fiscal Year 2001-2002 Expenses:		13,395.61
Computer for Weather lab	2,848.47	- 1	ArcView licenses for GIS lab	228.00	
Digital video camera & cassettes	674.00		Autocad license renewal	3,801.09	
Fluent software	595.80	- 1	Card Reader for C213	580.00	
		- 1		1,385.30	
X-Net Software System	8,719.19		ERC lab improvements	100 100 100 100 100 100 100 100 100 100	
GPS lightning protector	88.25		ESRI GIS software license renewal	1,596.00	
ab Sun monitor	1,233.16		Fluent software	2,085.30	
Meteorological equipment	2,318.35		Geoslope software	880.00	
Projector Bulb	465.00		GIS Lab computers (additional 3)	3,000.00	
Spin Tank	459.29		GIS Lab monitors	8,000.00	
Student Modern Access	1,235.00		GIS Lab plotter	4,001.16	
Surge protectors	34.99		GIS Lab projector	4,299.00	
	18,671.50		Lab Supplies	747.50	
	0.000.00.00.00.00.00.00.00.00.00.00.00.		Maple license renewal	1,875.00	
balance moved to Strategic Initiatives		3,328.50	Matlab license renewal	1,666.60	
Proposed Budget for FY03	20.000.00	0,020.00	Micrologger	5,462.84	
1 Toposed Dauget for 1 100		1	MineQL software	513.50	
				4,159.94	
			Portable projector		
Budget:	Department All		Statsoft Neural Network software	614.00	
Category:	Chemical Engli	neering	Windows licenses for ERC Lab (Neff)	865.63	
		1 7 7 11 1		45,760.86	
Fiscal Year 2001-2002 Budget:		14,370			
Balance Forward from FY01		4,906.72	balance forward		475.25
Fiscal Year 2001-2002 Expenses:			Proposed Budget for FY03	30.750 00	
CD-R 10-pack	13.00	9.0	Die St.		
Computers	2,000.00				
Computer Tool Kit	40.00	e - E E H	Budget:	Department Al	locations
Computer Maintenance & Repair	4.95	3.83	Category:	Electrical & Co	
Data Acquisition Equipment	3,134.30		Culogory.	210011101111111111111111111111111111111	
	12 4 12 12 12 12 12 12 12 12 12 12 12 12 12	-	Figure Very 2001 2002 Budgets		14,590
Fluent software	595.80		Fiscal Year 2001-2002 Budget:		
Hard Disks	95.00		Balance Forward from FY01		9,325.78
HP LaserJet 5si duplex unit	292.00		Fiscal Year 2001-2002 Expenses:		
HP LaserJet 5si duplex unit installation	325.64				
Lab Maintenance	48.75		Autocad license renewal	201.00	
Lab supplies	42.28		CAE lab hardware maintenance	660.00	
LabView Software Renewal	401.80		Fluent software	595.80	
Maple license renewal	582.00		Laboratory Supplies	3,222.64	
1917)			LabView Software Renewal	401.80	
Matlab license renewal	471.25			1,433.48	
Matlab C/C++ Math Library	195.00		Mathcad license renewal		
Matlab Spline Toolbox	195.00		Matlab license renewal	2,262.07	
Mouse replacement	26.40		Mentor Graphics Software	4,100.00	
Paper	110.00		Monitor replacements for B109	1,000.00	
Printer Repairs	272.84		Monitor replacements for C211	1,500.00	
RAM upgrades	969.00		Paper	1,121.40	
SAS Software license	69.30		Toner	638.59	
Student Employee: Dan Herrick	1,072.97		Student Employees (ENS assistance)	194.30	
Sun Ray stations	6,849.00		Synopsis Software	2,500.00	
Switchbox	16.82			19,831.08	
Windows licenses	115.37	255 10	100000000000000000000000000000000000000	.0,001100	
AUTONO HORISOS	The second secon		balance forward		4,084.70
	17,938.47			15.500.00	4,004./(
		4 000 00	Proposed Budget for FY03	15,500.00	
AND ADDRESS OF THE PARTY OF THE	12,650.00	1,338.25	1.1		
balance forward Proposed Budget for FY03					

College of Engineering

Budget Planning for Fiscal Year 2003 all expenses as of April 9, 2002

Budget: Category:	Intradepartment Allo	
Fiscal Year 2001-2002 Budget: Balance Forward from FY01 Fiscal Year 2001-2002 Expenses:	0.00	3,000 3,000.00
balance forward Proposed Budget for FY03	3,000.00	6,000.00
Budget: Category:	Department Allo	A PROPERTY OF THE PARTY OF THE
Fiscal Year 2001-2002 Budget: Balance Forward from FY01 Fiscal Year 2001-2002 Expenses:		32,150 4,089.25
Algor license renewal	685.60	
Basic Pro Compiler	418.70	10
Biaxial Mechanical Testing Machine (tim		
Centroid software & service	495.00	
Fluent software	2,085.30	15011
Fortran libraries	35.48	60.454
Gas cylinder charges	16.56	
Lab Equipment	204.33	
Lab Supplies	46.59	
LabView Software Renewal	401.80	
Machine Shop Equipment	518.16	
Machine Shop Maintenance & Repair	184.32	
Machine Shop Supplies	4,097.87	
Mathcad license renewal	1,433.47	81111
Matlab license renewal	784.18	12014
Minitab license renewal	568.75	
SolidWorks license renewal	1,950.00	
Teksoft ProCam software	250.00 14,401.11	
balance forward		21,838.14
Proposed Budget for FY03	34,100.00	-1,000.17
35 66.		
Total Budget This Page		35,150
Balance Forward, This Page		7,089.25
Total Expenses This Page		14,401.11
Balance, This Page		27,838.14
Proposed Budget This Page	37.100.00	
Change over FY02	+ 1,950.00	1000

Department Allocations Budget Calculation for FY03

1913 Students enrolled in the College of Engineering

	students*	%		
Atmos	81	4.24%		
ChemE	153	7.97%		
CE	515	26.90%		
ECE	493	25.78%		
ME	581	30.38%		
Open	91	4.73%		
	1913	100.00%		

*average enrollment of fall and spring semesters

	1741 students	in ChemE, CE, ECE, and ME	1248 students in ChemE, CE		
	students	%	students	%	
ChemE	153	8.76%	153	12.22%	
CE	515	29.55%	515	41.23%	
ECE	493	28.32%			
ME	581	33.37%	581	46.55%	
		1741 100.00%	12	48 100.00%	

	Software	Maintenance	TOTAL	MIDCALION	
\$5,010.02	\$2,627.80	5000	\$12,637.82	\$12,650.00	
\$16,902.64	\$8,865.59	5000	\$30,768.24	\$30,750.00	
\$2,000.00	\$8,495.12	5000	\$15,495.12	\$15,500.00	0.0
		3000	\$3,000.00	\$6,000.00	00
\$19,087.34	\$10,011.49	5000	\$34,098.83	\$34,100.00	
43,000.00	30,000.00	23,000.00	\$96,000.00	\$89,000:00	
	\$16,902.64 \$2,000.00 \$19,087.34	\$16,902.64 \$8,865.59 \$2,000.00 \$8,495.12 \$19,087.34 \$10,011.49	\$16,902.64 \$8,865.59 5000 \$2,000.00 \$8,495.12 5000 3000 \$19,087.34 \$10,011.49 5000	\$16,902.64 \$8,865.59 5000 \$30,768.24 \$2,000.00 \$8,495.12 5000 \$15,495.12 3000 \$3,000.00 \$19,087.34 \$10,011.49 5000 \$34,098.83	\$16,902.64 \$8,865.59 5000 \$30,768.24 \$30,750.00 \$2,000.00 \$8,495.12 5000 \$15,495.12 \$15,500.00 \$19,087.34 \$10,011.49 5000 \$34,098.83 \$34,100.00

96,000