

ESTC Minutes
Engineering Student Technology Committee
March 8, 2022
1-2pm
Microsoft Teams Meeting

Present:

ATS : Prof. Elizabeth Barnes, Kevin Yang

CBE : Parsa Ghadermazi

CEE : Danny White, Prof. Aditi Bhaskar

ECE : Peter Walsh (Chair), Yifan Yang

ME : Ross Leopold, Miguel Valles Castro

SE : Prof. Daniel Herber

SBME :

Ex-Officio : Kelley Branson (ETS), Prof. Karan Venayagamoorthy (Academic Affs)

Guests : Nick Stratton (ETS), Laura Marker (ETS)

Absent:

ATS : Lee Brent

CBE : Mason Vess, Lauren Robertson, Prof. Jean Peccoud

CEE : Claire Paschke, Lily Drum-Parce

ECE : Prof. Mahdi Nikdas

ME : Olivia Brown, Prof. Kirk McGilvray

SE : Hamza Ahmed

SBME :Jaiden Oropallo

Old Business & Welcome

Welcome and Minutes

- Peter welcomed the members attending and it was noted we have quorum. Dan Herber offered to take minutes.

- The minutes from the February 21, 2022 meeting were approved and will be posted to the ESTC website by Kelley. These and other ETSC documents are available to ESTC members at the following:
<T:\Committees\ESTC>
If you are unable to get into this drive space, let Kelley know.

Old Business

- Unfilled positions were noted and action was requested
 - Systems Engineering graduate student
 - ECE undergraduate

- UTFAB (University Technology Fee Advisory Board) GPU Proposal: Kelley submitted a proposal for a robust new linux GPU server in the fall. The proposal was accepted for review and Kelley gave a presentation to UTFAB in February. Waiting on the decision. 50% (~\$26K) will be awarded from UTFAB and 50% from CFT (ETS category) if awarded.

New Business

FY22 Engineering CFT Account

- We voted to remove or keep the \$90K in the account presently earmarked for senior design space in 2017. ESTC voted to remove this. We discussed what to do with the \$90K. Discussed:
 - Save some for Scott Data Center build-out (final expansion)
 - Save some for the Anderson Lab replacement. Kelley noted that UTFAB is interested in working with us funding-wise to make this a multi-disciplinary space.
 - Use to balance out the current FY22 account shortfalls caused by CFT auto-refunds and lowered enrollment (almost \$66K)
- A vote passed to balance the current account with the remainder to be tagged as unallocated. The unallocated funds will be figured out after the budget work is done probably in April.

FY23 Budget

Work began on the FY23 budget:

- Business Expenses -- approved as calculated.
- Central Services & Equip. Replacement
Kelley asked the committee to think of these categories as one big pot that the ESTC entrusts to ETS to keep the computer labs, studios, electronic classrooms and server infrastructure working.
 - Computer Lab Equip Replacement (Lab Equip sheet) -- Kelley and Nick explained that this budget number is calculated from the Lab Equip tab and explained the tables. A question was raised on the utilization. Nick replied that his Labs Team has been wanting to look at tracking options but the data would not be very reflective of reality due to the pandemic. No direct expansion proposed in current budget. Another question was raised on the proposed budget vs revenue and Kelley noted we are in the black as a whole this year. This line item was approved as calculated.
 - Computer Lab Maintenance (Lab Equip sheet) -- This line item provides maintenance for all of the various equipment. This line item was approved as calculated.

- Computer Lab Furniture (Lab Equip sheet) -- Kelley and Nick explained that this funding supports furniture replacement after it has reached it's end of life or breaks, rather than for a specific amount of time. It can only be used to "support" the technology and cannot go above 25% of the total cost of the technology. tables and chairs in the computer labs qualify. The college picks up any additional beyond 25%. ETS manages a Lockheed Martin gift fund which has no restrictions and this is usually used for furniture replacements and remodels of the Lockheed Martin sponsored rooms like Magellan, Viking and Titan. This line item was approved as calculated.
- Network Equipment Replacement -- Kelley explained that this is a flat \$50K that a previous ESTC allocated and that over the last two years it was zero'd out temporarily due to budget balancing issues. Kelley asked that we hold off on this line item until we see where we are with the rest of the categories.
- Server Equip Replacement (Servers sheet) -- Kelley explained how the Servers tab works and that it, too, is updated continually throughout the year when ETS makes changes to the servers and infrastructures which mostly live in the Scott Data Center but also up in the ERC computer room. A question came up regarding the deficit in the maintenance category and Kelley replied that the overall Servers (equipment and maintenance) again may be seen as one big pot of funds and we are in the black. There are always ebs and flows to projected revenue vs spending in any given year and this is why we see things like this. This line item was approved as calculated.
- Server Maintenance & Support (Servers sheet) -- This line item was approved as calculated.

Next Meeting

Next ESTC meeting is Monday March 21 at 3pm via Teams. Please join if you do not have a class or meetings.

Meeting was adjourned at 2pm.

Respectfully submitted by Dan Herber with modifications from Kelley Branson