

Meeting minutes of the Engineering Student Technology Committee (ESTC)

Meeting: April 7, 2015
6:00 p.m. in Scott Bioengineering 203 (Board Room)

In attendance: Sean Brustuen (CE), Briana Chamberlain (CBE), Daniel Dauwe (ECE), Kristine Fischenich (SBME), Dan Herrick (ENS, ex officio), Arunachalam Lakshminarayanan (ME), Mark Lunt (CBE), Landan MacDonald (ATS), Professor Chris O'Dell (ATS), Brad Reichel (CE)

Not in attendance: Professor Rebecca Atadero (CEE), Abdullah BaGais (CBE), Professor Patrick Fitzhorn (ME), Adam Kattnig (ECE), Alex Mitchell (ME), Dalton Noren (Intra-departmental), Aaron Piña (ATS), Professor Sourajeet Roy (ECE), James Ruppert (ATS), Professor Tom Siller (ADAA, ex officio), Aaron Smull (ECE), Professor Christopher Snow (CBE)

Guests: Angie Branson (ENS), Brett Goldfarb (I2P Lab), Kent Johnson (I2P Lab), Stanley Nichols (I2P Lab), David Prawel (I2P Lab)

3D printing lab proposal Q&A with Professor David Prawel and I2P lab staff

Professor Prawel introduced the other guests from the Idea-2-Product 3D printing lab and provided an overview of the lab, its budget, and funding sources, then answered questions. A committee member asked about long-term funding and Prawel said that he would welcome having the funding of the 3D printing lab as a part of the annual ESTC budget. After the guests left, there was discussion of the proposal request and the possibility of adding a budget line item for the 3D printing lab instead of funding a strategic initiative. There was also discussion of potentially increasing the student technology fee next year to help support the increased costs associated with funding the I2P lab as a part of the regular budget. The increase would not go into effect until academic year 2016-2017. A motion was made to fund \$7,400 for the remainder of this fiscal year and fund \$30,000 as a line item in the budget for fiscal year 2016. The motion was seconded and approved.

Approval of meeting minutes (3/24/15)

Minutes from 3/24/15 were approved.

Announcements / Follow-up

- **Internet Cafe redesign** – The volunteers from each department met recently and reviewed the redesign plans. Chamberlain met with Dr. Dandy, department head of the CBE department, and while he was supportive of the redesign, specifically the first option, he explained that it is a bad budget year so he is unable to commit funds for the remodel at this time. The department may be able to provide funding for the remodel in the 2016 fiscal year. Brustuen met with Dr. Shackelford, department head of the CEE department, and the response was similar to CBE. Dauwe will be meeting with Dr. Maciejewski, department head of the ECE department, next week.
- **ENS Review Committee** – The review committee is not ready to share the survey results yet, but Herrick mentioned that there were no surprises in the responses. The committee has a deadline to report their recommendations to the Dean at the end of April.
- **Instructional Technologies Coordinator funding request** - Fieschnich sent the funding request to the Assistant Dean of Operations for the College of Engineering, Mark Ritschard. He has replied that he will not be able to make any decisions until the ENS Review Committee has finalized their work.

Proposals

- **BioRadios for the Biomedical Engineering Teaching Laboratory** – A proposal has been submitted that requests \$11,250 to be used to purchase three BioRadios for use in BIO300, which has more than 100 students enrolled each year. The projected life expectancy for these units is more than 10 years. The cost of the units includes software and carrying cases. There was general acceptance of the proposal by the committee, but the final decision to fund the proposal was postponed until the next ESTC meeting.
- **Analog Discovery Multifunction Device** – A proposal has been submitted requesting \$28,700 to purchase 100 Analog Discovery USB Oscilloscope/Multifunction instruments. The committee would like further clarification on the following prior to making a decision about funding the proposal: costs, number of students the equipment would serve, the life expectancy of the equipment, if other classes or departments would have a use for the equipment, and if there will be any department cost sharing on the purchases.

Budget review

- **Student wages** – Herrick reviewed the student wages portion of the budget. The student labor for lab assistants and lab technicians increased in correlation with equipment being supported in the labs. Herrick explained the roles of each student employee title and how the funding is split between the ESTC budget and college funds.
- **Alternate fixed amounts (Department allocations vs Strategic initiatives)** – Herrick reviewed the department allocations for those who were not in attendance at the meeting when it was previously discussed. Herrick also presented the possibility of moving the fixed amount in the budget to the Strategic Initiative budget line item instead of the departmental allocations. The variable amount would then be the departmental allocations portion of the budget. Lakshminarayanan made a motion to set the strategic initiative line item at a fixed percentage of the total budget and leave the departmental allocations as the variable amount, the percentage would be determined as a part of the whole budget. There was discussion of the motion, but the motion did not pass.

Adjourned – 8:18 pm