

ESTC Minutes

Engineering Student Technology Committee

November 6, 2025

12-12:30pm Scott 203

Present:

ATS : Nick Mesa, Spencer Jones, ~~Prof. Maria Rugenstein~~

CEE : Alex Johnson, Prof. Ryan Smith

ECE : ~~Vesidjon Abduvahobov~~, Natalie Ingegneri, ~~Prof. Ali Pezeshki~~

ME : Tessa Bailey, Shane Sisler, Mayank Mate, Prof. Bonnie Roberts

SE : Tillie Pinkowitz, ~~Felix Kuklinski~~, Prof. Steve Conrad

SBCE : Soumik Ghosh, Santiago Zimbron-Leon, Prof. David Wang

Ex-Officio : Kelley Branson (ETS), ~~Prof. Sam Bechara~~ (Assoc. Dean for Undergraduate Affairs)

Guests : Nick Stratton (ETS), Rachel Wittmeyer (ETS)

Old Business & Welcome

Welcome

Meeting called to order by Tillie.

A reminder:

- Current and past year budgets, proposals and other files are found here:
<T:\Committees\ESTC>
- ESTC website: <https://www.engr.colostate.edu/operations/estc/>

Approval of Minutes

The minutes from the October 2, 2025 meeting were unanimously approved. This 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.

New Business

Fall Strategic Initiative Proposals

A Call For Proposals was put out after our October meeting. A subcommittee made up of Tillie, Soumik, Spencer, Natalie, Mayank, and Kelley sat through presentations representing about 30 proposals over three days and then met to rank them. Travis Rogers, the Fiscal Officer on our ESTC CFT account is anxious for us to spend the account down by up to \$250,000. The proposals totalled about \$230,000. One proposal was outside the guidelines of the CFT Manual and was denied. Everything

else was deemed acceptable and a great thing for the College by the subcommittee. Each was presented and the entire ESTC present voted to accept the recommendations:

- Mech Undergraduate projects (12 projects)
- Idea 2 Product (I2P) 3D Print Lab (2 projects)
- ECE Creator Space Upgrades
- Ram Racing IC (numerous items)
- Ram Racing EV (numerous items/projects) **one not accepted**
- Rotorcraft Modeling & Control Lab
- CubeSat Open Orbit Satellite Radio Antenna
- Concrete Canoe Team
- Low-Cost Robotics for AI Revolution classes
- Spray Drying - a Sustainable Process for Food & Pharmaceutical Engineering
- HAAS HA-5C robotic arm Attachment for a Mill in EMEC
- Graduate Multimedia Production Room at Atmospheric Science

This was pulled by Kelley so that the other projects would pass. It was then reinstated at a lower cost point (\$20K) and passed.

- GPU Server for Teaching AI Classes

See attached projects sheet for details.

Future Meetings

November 13, noon-1pm, Scott 203
(lunch will be available)

Meeting was adjourned at 12:30pm.

Respectfully submitted by Soumik Ghosh with updates from Kelley Branson