

INSTRUCTIONALLY RELATED ACTIVITIES (IRA) ADVISORY COMMITTEE MEETING

OCTOBER 9, 2018 2:00 PM BMU205

MINUTES

Members Present: Jared Geiser (chair), Harmony Ordaz, Alejandra Gonzalez-Zuniga, Samuel Akinwande, Daisuke Aoyagi, David Scholz, Adam Irish, Kishore Joseph

Members Absent: N/A

Staff Present: Jeni Kitchell, Kim Williams, Kimberly Scott, Stephen Cummins

Staff Absent: N/A

Guests: Jennifer Mays (VPAA), Kendall Ross (Rec Sports), Irene Duran and Josh Kurash (IEEE and Unmanned Aerial Systems Team)

- I. Call to Order
 - a. Meeting called to order 2:02pm.

- II. Approval of 9.25.18 Minutes
 - a. Harmony motioned to approve the minutes, seconded by Samuel. Approved 8-0-0.

- III. New Business
 - a. Unmanned Aerial Systems Team's Request for IRA Program Certification
 - i. Presentation by Josh Kurash (President of IEEE-Institute of Electrical and Electronic Engineers) and Irene Duran (Project Manager for IEEE).
 - Fifty students are currently involved with IEEE on campus. They have the Micromouse project and are taking on a second project which is a drone competition.
 - The competition is the Student Unmanned Aerial Systems competition ran by the Association for Unmanned Vehicle Systems International held since 2002. Fifty plus teams compete including high school and college students.
 - Fifteen students are currently involved; one senior, six juniors, five sophomores, and three freshman.
 - The competition includes the design and operation of a drone (factors include payload, flight time, safety, and elevation). The team will meet specific criteria in order to attend competition. Source code is provided.
 - Competition is June 12-15, 2018, in Maryland. \$1000 Registration is due October 29th. Their academic department will contribute \$500 from

foundation funds. Budget includes hotel for six days and airfare for an advisor and four students. Each member has to be a paid member of IEEE.

- November through February they will construct the machine. A technical paper is due in April. Safety tests will be conducted in May. Someone on the team must be able to take control of the drone. A video will be produced promoting the drone. There are seven criteria. Oral presentations and a technical paper. They have to keep a log of everything they do on the project.
 - People come from all over the world to this competition. Ten people are allowed to be on a team but four were built into their budget in an effort to be reasonable about costs. If funding is available from other sources, additional team members can go. Their budget request is \$6,000 for travel expenses.
 - The IEEE is in process of registering the drone. The University will have to approve the drone flying on campus. Also, the campus police, Chico Police and the Chico Airport must be notified prior to the drone being flown.
 - The project provides underclassman experience to gain internships.
 - The competition will include an opportunity to attend a career fair.
- ii. Formula SAE Electric team disbanded this year and funds may be available to fund the drone project if certified. The Advisory Committee may decide to pull back unused funds from Formula SAE Electric.
 - iii. Jared asked for a vote to suspend the rules in order to vote on certification. Samuel moved, Kishore seconded but then withdrew, and the motion failed, 4-4 with a request for continued discussion.
 - iv. Due to time running out, members agreed to continue the discussion at the October 23rd meeting.

IV. Old Business

- a. None

V. **Announcements**

- a. Formula SAE Electric Team disbanded this year. The committee voiced concern over leaving base dollars with the college that were allocated for the program. For our next meeting, Kim will determine what base amount was originally allocated, what ECC's 17-18 balance was, and what costs are needed to be funded to dispose of hazardous materials associated with electric batteries, etc.

VI. **Adjournment**

- a. Jared adjourned the meeting at 3:02pm.