### Funding Application: Undergraduate Senate [AGU-000084]

**Student Organization**  
Stanford Unmanned Aerial Vehicle Engineers, Entrepreneurs, and Enthusiasts

**Program Title**  
Stanford Unmanned Aerial Vehicle Engineers, Entrepreneurs, and Enthusiasts Annual Grant 18-19

**Academic Year**  
2018-2019 Academic Year

**Grant Type**  
Annual

#### Funding Line(s)

<table>
<thead>
<tr>
<th>Line #</th>
<th>Account</th>
<th>Line Description</th>
<th>Event Name</th>
<th>Event Date</th>
<th>Requested Amount</th>
<th>Recommended Amount</th>
<th>Approved Amount</th>
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<tbody>
<tr>
<td>1</td>
<td>01-8471-30-2980 (Annual Grants - Registration &amp; Tickets - VSO)</td>
<td>We have two competition teams. AUVSI needs $1000 to register to their competition. DBF needs 10 AIAA Memberships ($25.00) and 2 AMA Memberships ($75.00)</td>
<td></td>
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<td>$1,400.00</td>
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<tr>
<td>2</td>
<td>01-8471-30-2990 (Annual Grants - Travel - VSO)</td>
<td>Accommodations-&gt;Hotels for AUVSI and DBF competition teams</td>
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<td>$1,400.00</td>
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<td>3</td>
<td>01-8471-30-2990 (Annual Grants - Travel - VSO)</td>
<td>Car/Van Rental-&gt;Car rentals for AUVSI and DBF teams in their competitions</td>
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<td>$2,100.00</td>
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<td>4</td>
<td>01-8471-30-2990 (Annual Grants - Travel - VSO)</td>
<td>Gas-&gt;Gas for AUVSI and DBF competition teams</td>
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<td>$180.00</td>
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<td>5</td>
<td>01-8471-30-2990 (Annual Grants - Travel - VSO)</td>
<td>Flights for DBF and AUVSI teams to get to their competitions</td>
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<td>$6,400.00</td>
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<td>6</td>
<td>01-8471-30-2955 (Annual Grants - Equipment - VSO)</td>
<td>Equipment expenses over our competition teams, general club equipment and SUAVE 101 student led courses</td>
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<td></td>
<td>$12,835.35</td>
<td>$12,835.35</td>
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<td>7</td>
<td>01-8471-30-2920 (Annual Grants - 3 End of quarter BBQs with 20 attendies,</td>
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<td>$1,000.00</td>
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<td></td>
<td>Event Food &amp; Supplies - VSO)</td>
<td>2/quarter<em>3quarters tech talks with 30 attendees. = 60 + 6</em>30 = 180</td>
<td>Includes food and drinks. $10 per person</td>
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<td>8</td>
<td>01-8471-30-2960 (Annual Grants - Meeting Food - VSO)</td>
<td>Food for SUAVE 101 course meetings. 8 SUAVE 101s per quarter. 3 quarters, avg 10 students per meeting. $8 per person. Includes food and drinks.</td>
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**Requested** $26,695.35  **Recommended** $26,695.35  **Final Allocation** $26,695.35

### Questions

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<tr>
<th>Question</th>
<th>Answer</th>
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<td>What is the average attendance at your events?</td>
<td>Attendance varies by type of event Large end of quarter bbqs have attendance of 60-80. Popular tech talks have also an attendance of around 60 Most tech talks have attendance of around 20 Our weekly 101 course has an attendance of 10 Board meetings are attended only by the board</td>
</tr>
<tr>
<td>Why are you requesting Annual Grants?</td>
<td>Special fees are being requested in order to expand the opportunities and services offered by SUAVE to the undergraduate community at Stanford. Special fees will be used to enhance community events, break new ground at technical competitions with student-led teams, and educate and engage more members of the Stanford community with UAVs.</td>
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<td>What are the three largest line item requests in your budget and why?</td>
<td>Our three biggest line items in our club are our DBF team, 101 courses and AUVSI. DBF and AUVSI are our competition teams. They require registration, flights and accommodations - which is why they are among our more expensive ventures. The 101 course is a course we run each quarter and buy equipment for roughly 10 teams to build their own quad. That is why it is one of our more expensive ventures.</td>
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**Question**

What events/programs does your group hold throughout the year for the Stanford community?

**Answer**

SUAVE holds a multitude of community events designed to engage and educate students and members of the Stanford community about UAVs, in addition to community-building and recreational events centered around UAVs.

SUAVE hosts three tech talks each quarter, inviting innovators and companies to share their ideas and technologies with students and members of the Stanford community over refreshments. Past guests have included Intel, the FAA Deputy Director, and many UAV startups from around the bay area.

SUAVE also hosts a fly day at Lake Lagunita (or shuttles to a site off-campus when the lake is flooded), where members meet to fly their UAVs. These events are open for any students or Stanford community members to attend, and free flight lessons are available from club instructors.

Each quarter, SUAVE holds an end-of-quarter event that is open to its members and anyone in the Stanford community. These events range from outdoor fly day and BBQ with students from other student orgs, to indoor drone racing and brunch on some of the rainier days.

SUAVE has two UAV competition teams: Design Build Fly (DBF) and Stanford AIR which competes in the Association for Unmanned Vehicle Systems International Student Unmanned Aerial Systems Competition. These competition teams provide excellent and challenging hands on projects for students to push the boundaries of their expertise with UAVs.

Perhaps most importantly, SUAVE is the only undergraduate organization on campus that is approved to flight-certify students and approve UAV flights. SUAVE holds multiple UAV safety trainings per quarter for students to get their campus UAV safety certifications, and also provides free flight certification, airframe safety certification, and flight instruction for its students. All legal recreational UAV flights must also be approved in advance by SUAVE through an online flight request system.

**Have you applied for Annual Grants in the past 3 years? If so, please detail the outcome of each attempt.**

We received annual grants this year, 2017-2018

We got to the ballot stage but did not pass voting two years ago, 2016-2017

**Please provide four contacts for your group (two must be graduates if also applying for Graduate Annual grants). These individuals should be prepared to be called by the Undergraduate Senate or the GSC during the evaluation of the group. Please list their name, title in organization, school/degree program, e-mail, and phone.**

President, John Mcnelly, jmcnelly@stanford.edu; Vice President, Isaac Scheinfeld, ischein@stanford.edu; Financial Officer, Simon Li, simonaer@stanford.edu

**How do you plan to publicize your events/programs to the greater Stanford community? Have you registered with Events at Stanford?**

SUAVE events are publicized through email lists, the SUAVE slack team, and through flyers placed in high-traffic areas frequented by events’ target audiences. Great success has been had in promoting events this year through flyering in engineering buildings and cross-posting events to engineering department email lists. SUAVE has also begun tabling bi-weekly in White Plaza to promote upcoming events and club projects to passers-by.

**If you are an umbrella group, please list the groups for which you are applying for Annual grants, their ASSU account numbers, and contact information for their financial officers.**

N/A
Please define the services provided by your group with the Special Fee, as per the ASSU Constitution:

Special Fees funds will go towards supporting SUAVE projects, SUAVE student-run courses, community events, and SUAVE member workspace improvement. Projects: Funds will be used in to pay for travel, equipment costs, and material costs for the Stanford Design-Build-Fly team during its 2017-2018 competition, including airline tickets, aircraft hardware, and accommodation costs.

Courses: Funds will be used to purchase aircraft components and necessary tools for expanding and continuing to run the SUAVE 101 courses, providing the equipment necessary for students to build, program, and fly their own UAVs from scratch.

Community Events: Special fees will be used to purchase food for community events like tech talks and end-of-quarter get-togethers, engaging students with the campus UAV community and sharing the ideas of innovators.

Workspace Improvement: A small portion of the special fees requested will go towards improving our club room, Durand 353, so that it can better serve club members as a project space. This includes the purchase of radio transmitters and other equipment that club members can check out for free, as well as tools and upgrades for the workspace itself.

Are you also applying for Graduate Annual Grants?
No.

If you applied for Annual Grants last year, is there an increase in the amount you're seeking this year? If so, why?
There is a slight increase in amount, about 4.4%. Our AUVSI team has grown to the maturity where we want to fund it with Annual Grants instead of TSF. We have greatly decreased the cost of our capital expenses to compensate and because we are now enjoying the benefits of this year’s investment in the club.

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<th>Assignee</th>
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