

Results for SAF Annual Proposal Form for the 2020-2021 Academic Year (By Participant)

Results for: ID# 19398760		Submission date: 1/15/2020 8:30 PM
		Total time: 6 minutes, 9 seconds
Question	Response	
<p><i>Question:</i> Proposing Group (i.e. Career Services, Sustainability Club, Campus Events Board, etc.)</p>	TrickFire Robotics	
<p><i>Question:</i> Department/Organization (i.e. Recreation and Wellness, First Year Pre-Major Programs, Student Engagement and Activities, School of Business, etc.)</p>	STEM Department	
<p><i>Question:</i> Contact Person This person will be the sole point of contact for any questions or additional information requests from the SAF Committee regarding your proposal.</p>	Francis Ho	
<p><i>Question:</i> Contact Email This person will be the sole point of contact for any questions or additional information requests from the SAF Committee regarding your proposal. Please include a regularly checked email as the SAF Committee contacts groups primarily through email.</p>	tfrbtcs@uw.edu	
<p><i>Question:</i> Contact Phone Please include the phone number of the contact person. This person will be the sole point of contact for any questions or additional information requests from the SAF Committee regarding your proposal.</p>	(425) 954-0302	
<p><i>Question:</i> Faculty/Staff Member Please discuss your request with a staff or faculty member (i.e. Student Affairs Staff or faculty adviser) before submitting your request and include the name and title (i.e. John Smith, Club Adviser) of that individual. IMPORTANT: This person will also be listed as the budget owner. Please ensure the faculty or staff member understands they will be the budget owner and responsible for managing a SAF allocation. This person must be authorized in UW procurement and fiscal systems and familiar with university purchasing policies and processes.</p>	Dr. Jong Yoon	
<p><i>Question:</i> Faculty/Staff Member Email Please provide the email of the faculty or staff member you discussed your request with.</p>	wjyoon@uw.edu	
<p><i>Question:</i> Executive Summary of Your Proposal (500 word limit) Please provide a concise overview of the program, activity, or service for which you seek funding.</p>	<p>TrickFire Robotics is a nonprofit student led robotics team based at the University of Washington, Bothell Campus. The team focuses on preparing students for industry through hands on experience. For the past 3 years our main project has been to design and manufacture a Mars mining rover for the annual NASA Robotics Mining Competition at the Kennedy Space Center. Our top priority is to prepare students for industry through hands on experience working on large scale projects.</p> <p>Similar to last year, we are requesting funds to travel to the competition and some amount for consumables and promotional material. In addition, we</p>	

are also requesting funds to build the rover. In previous years this portion of the project was funded by the STF. Last year the STF raised concerns that due to the continual nature of our request it might be more appropriate for SAF to fund this project. We would like the committee to work with STF on the matter about what each committee should fund.

By approving this grant, SAF will be continuing a path for students to develop their professional skills beyond the classroom, one that has already improved countless careers.

Question:

Need for this Program/Service (500 word limit) Please describe the need for this program or service. Explicitly describe how this program directly and/or indirectly benefits the campus community? * If possible, include any data that might support your proposal (i.e. surveys indicating a need for your initiative)

Projects, such as the Lunar Rover, are great ways students can get invaluable experience that they will use in their professional careers. It allows any student on campus the opportunity to work on a large scale engineering project, whether they are in STEM or not.

Since this project is completely led by students many positions focus on the business side as well: finding funding, advertising, community networking, project management, etc. TrickFire gives UWB Students the opportunity to try something amazing while in university, something that they could never afford on their own. Gaining experience and knowledge that they can then translate directly to their future careers.

Last year we had over a dozen graduating students using their experiences working at TrickFire in their interviews and are now working at high paying jobs in the tech industry. We also get many alumni returning to help the team to guide this years cohort as a sign of way to give back to the team.

Question:

New Request or Previously Funded (500 word limit) Has this request been funded in the past? If yes, please indicate what part of the proposal was previously funded by SAF and what is a request for new allocations. If this is a one time funding request, please note that in the description.

We were granted funding during the previous cycles. The last funding covered travel to the competition, shipping of the robot, and consumables. In addition, we are also requesting funds to build the rover. STF raised concerns that due to the continual nature of our request it might be more appropriate for SAF to fund this project. We would like the committee to work with STF on the matter about what each committee should fund.

Question:

Strategic Plan/5 Year Goals (500 word limit) Please describe your strategic plan or description of your key strategic goals over the next five years.

TrickFire Robotics wishes to continue competing as the NASA RMC for as long as possible iterating on our models and developing new interesting designs. Financially, TrickFire is trying to head for partial self sustainability (to not depend completely on the University for financial support). We hope to do this by getting sponsors from local companies like many UW Seattle Engineering teams do. This of course takes time, UW Seattle has existed for substantially longer than UWB and has significantly more partnerships with local companies. TrickFire hope to change that over the next 5 years and work to get more sponsors.

<p><i>Question:</i> Program Benefit Estimate number of students that will benefit from your proposed program/service (500 word limit). * Indicate the benefits of your proposed program for students. * Estimate how many currently enrolled students will likely benefit from your proposed service or program. * Estimate the number of any other individuals (and indicate their affiliation) that might benefit from this service or program.</p>	<p>We currently have roughly 70 students enrolled in our club. With this funding, we will work together to construct a robot. While working on the robot, we have concurrent sub-projects that help students with understanding different aspects of STEM and get students to communicate with each other. With our financial team, business students get the opportunity to collaborate with students with different majors.</p>
<p><i>Question:</i> Financial and Operational Health (500 word limit) How do you plan to assess the program or service? Please describe any metrics or operational targets your unit uses to assess its financial and operational health? Describe the metrics, the metric targets and actuals of metrics. (E.g. student- student employee ratios, student-to-staff ratios, in-process measures).</p>	<p>Student Engagement: We hope to create workshops that will allow a variety of participants to join and grow their skills. We hope to have at least 800 participants at our workshops. 1080 participants would show ideal growth.</p> <p>Financially: This year we have exceeded our fundraising goal raising approximately \$7,500 this academic year. Next year we hope to get at least \$10,000 from company sponsors which is in line with our 5 year plan.</p>
<p><i>Question:</i> Additional Information (500 word count) If needed, please include any other information you feel is relevant to your request.</p>	<p>N/A</p>
<p><i>Question:</i> Salary/Wages Describe the funds you are requesting in detail below. Benefits will be calculated on the spreadsheet accordingly. Please detail the number of positions, hours per week/salary, salary, etc. If there are differences or distinctions in positions, please explain. Please show your math; for example: (1 student working X# hours per week at \$X per hour for X weeks).</p>	<p><i>No response</i></p>
<p><i>Question:</i> Programming/Events Describe the funds you are requesting in detail below. Please put total dollar amount of programming/events in the bottom of this box. Please include in this box costs relating to security, honorarium, hospitality, and contracted costs, etc. Please put total dollar amount of programming/events in the bottom of this box and on the spreadsheet.</p>	<p><i>No response</i></p>
<p><i>Question:</i> Facilities & Equipment Rentals/Set-Ups/Purchase Describe the funds you are requesting in detail below. If you require facilities or equipment rentals/set-ups/purchase, please indicate it here. Take into account custodial fees and clean up. If you need assistance with estimated costs, please speak to a staff/faculty member. Please put total dollar amount of facilities and equipment in the bottom of this box and on the spreadsheet.</p>	<p><i>No response</i></p>
<p><i>Question:</i> Printing & Photocopying Describe the funds you are requesting in detail below. Please put total dollar amount of printing/photocopying in the bottom of this box and on the spreadsheet.</p>	<p><i>No response</i></p>
<p><i>Question:</i> Office Supplies Describe the funds you are requesting in detail below. Please put total dollar amount of office supplies in the bottom of this box and on the spreadsheet.</p>	<p><i>No response</i></p>
<p><i>Question:</i></p>	<p><i>No response</i></p>

Food/Refreshments Describe the funds you are requesting in detail. Please indicate why food is necessary in your proposal. Review the food policy/food form for the University policies before asking for food. The Food Policy and Food Approval Form can be found in this link: <https://www.uwb.edu/finance/food-approvals>
Understand that food for normal meetings is not allowed. Describe below the reason you are requesting food and how it meets the food policy. Please ensure that you are in compliance with applicable per diem rates for meals. The per diem rates are available at the following link: <http://finance.uwb.edu/travel/meals#perdiem>
Please put total dollar amount of food refreshments in the bottom of this box and on the spreadsheet.

Question:

Transportation and Travel Describe the funds you are requesting in detail below for business travel (indicate in state/out of state, local travel, as well as type of transportation). Please note that flight bookings are done through the University. Please provide justification for out of state travel. Please put total dollar amount of transportation and travel in the bottom of this box and on the spreadsheet.

We need to ship roughly 60kg to Florida for the competition. In previous years we've spent upwards to \$3000 for shipping.

\$3000

Question:

Professional Development Describe the funds you are requesting in detail below. Please indicate number of students, staff, and the dollar amount. This should include all costs associated with registration, air or ground travel, meals, lodging, per diem, etc. Please insure that you are in compliance with applicable per diem rates for meals. The rates are available at the following link: <http://www.gsa.gov/portal/content/104877>
Please note that flight bookings are done through the University. Please provide justification for out of state travel. Please put the total dollar amount of professional development in the bottom of this box and on the spreadsheet.

Every year, TrickFire Robotic travels to the annual NASA RMC in Florida. The competition this year will be held in May. This is an integral event that the team prepares for the entire year. At the competition, we demonstrate the ability of the Moon rover that we spent the year building. Typically the team brings 15 members to ensure that the event goes smoothly. Often the rover will need to be assembled and reassembled at the competition as well as be modified in between runs.

The competition typically lasts 9 days.

Approximate Distribution:
Flights $\$350 \times 15 = \5250
Rooms $\$1500 \times 3 = \4500
Food $\$280 \times 15 = \4200
Transportation $\$1050$

Total: \$15000

Question:

Operations Describe the funds you are requesting in detail below. Please put the total dollar amount of telecommunications, business cards, computer purchases, equipment, new hire packages, etc. in the bottom of this box and on the spreadsheet. Phone lines should be calculated at \$10 per line per month.
<https://itconnect.uwb.edu/service/campus-telephone-services/>

TrickFire will be using these funds (\$2000) to purchase promotional material to represent the team at the competition. These materials are necessary to represent the team, including items such as: team jerseys for the traveling team and anodization/decoration for the rover itself. These items will cost significantly more than the allocated amount provided by club council but yet are necessary to represent the team and the university.

Question:

Other Please include any other expenses that don't fall under any of the above categories in detail. Please put the total dollar amount of other in the bottom of this box and on the spreadsheet.

These funds (\$20000) would be used for building various parts of the robot. This robot is necessary for TrickFire to compete in the NASA RMC. In previous years this portion of the project was funded by the STF. Last year the STF raised concerns that due to the continual nature of our request it might be more appropriate for SAF to fund

this project. We would like the committee to work with STF on the matter about what each committee should fund.

This fund will be funding consumable and nonconsumable parts for the construction of the rover itself. It is hard to provide an itemized list because of the nature of the competition (design changing rules are released in September). In general we will require parts such as: motors, actuators, sheet metal, carbon fiber, cameras, various electronics, and etc. We will be happy to, upon request, provide a detailed list of the items we have purchased this year as examples.

\$20000

Question:

Total Amount Requested Please list your total amount requested, please make sure all line items are on the spreadsheet. Enter the total from the spreadsheet here. These numbers should match line item for line item.

40000

Question:

Terms and Conditions By submitting this application, you are agreeing to the terms and conditions below: * I have read and agree with the terms and conditions of the SAF Bylaws: <http://www.uwb.edu/studentaffairs/safc/safbylaws> * I understand that late applications will not be accepted, except at the discretion of the Committee, and completed applications include a narrative as well as a spreadsheet. Adjustments to the final total requested by any club, group, organization, or department will not be accepted. After a request has been submitted, it may not be reopened for alterations or changes. * I understand that hearings will be held between 8:30am and 11:30am, tentatively scheduled for Friday, January 31, 2020 and Friday, February 7, 2020. Someone from my group will be available to attend a brief hearing scheduled during that time frame.

I Agree

Questions or comments?
[Contact us](#) or email catalysthelp@uw.edu