



RoboSub 2023

Optional Community & Outreach Submission

School/Organization Name: University of Alberta
Team Name: Autonomous Robotic Vehicle Project
Generic Team E-mail: contact@arvp.org
Submission Date: February 6, 2023

Community & Outreach Submission

A key objective of the RoboSub program is to strengthen and enhance the community. Teams are encouraged to participate in educational outreach activities and describe those activities here. Maximum 500 words

Community & Outreach Description:

As described in our constitution with the University of Alberta, the Autonomous Robotic Vehicle Project (ARVP) is a triple mandate team. It states that ARVP aims to provide students with the skills needed to work in robotics, a community to help build their ideas, and the network to kickstart careers in-industry. As such, ARVP's outreach initiatives are broken into categories for each of our mandates.

ARVP helps build skills in mechatronics and project management at the university, high school, and middle school level. By partnering with local educational non-profits such as DiscoverE, Future Creators, and the Telus Spark, ARVP members hold hour-long teaching sessions focusing on low level robotics with small interactive portions. Our lab space is also open to university students (and occasionally coordinated high school visits) to take part in onboarding challenges and access resources for mechanical, electrical, and software focuses.

ARVP also seeks to build a social community of hands-on designers within the team and the other 20+ engineering project groups on campus. Hosting events like formals, mini-competitions, holiday parties, & BBQs, we aim to create friendships that will last beyond a student's tenure on the team and allow them to access a collection of contacts later on in their career.

Finally, ARVP seeks to develop direct relationships with companies in the robotics industry through sponsorships. Our benefits package includes access to vetted resumes of members and coordinated site visitations to introduce students to the real world application of their work and possible job opportunities. Currently, ARVP visits Copperstone Technologies annually, and we aim to expand our program to include Pegasus Imagery and Attabotics by the end of 2023.

robonation.org