

September 2022 Newsletter

With the school year commencing, MVRT is back, ready to become the best in the west! Prior to school starting, MVRT members conducted meetings for robot improvements as well as outreach programs throughout the summer. To prepare our newer members for the offseason, we also conducted vet trainings to help them flourish and find their home and comfort in our robotics team.



While conducting veteran trainings, we also initiated some of our many outreach programs, specifically CADology, HeadStart, STEM4Kids, and FLL (First Lego League). In CADology, our members taught elementary and middle school students how to use CAD (Computer Aided Design) software, TinkerCAD and Onshape. TinkerCAD was aimed at elementary school students, while Onshape was taught to middle schoolers. Our teachers had a marvelous time teaching students.

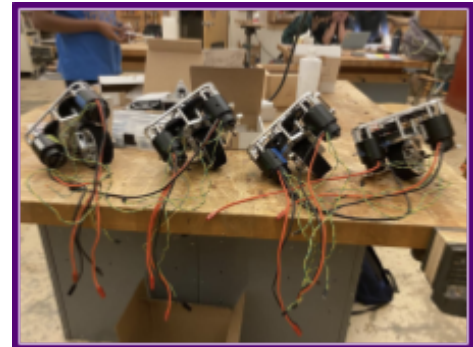
Another outreach program we conducted was HeadStart, a one-week summer camp for incoming ninth graders. In this summer camp, we helped them get familiarized with robotics and helped them create small robotics teams of their own!



FLL marked the end of our eventful summer. We hosted a kickoff, a simulation of the actual FRC kickoff, and helped them think of innovative ideas to tackle the problem given. "I personally enjoyed seeing the impact and the outreach programs come to life after all the work the leads and teachers put into planning the program!", said Sohni Tagirisa, when asked about the impact of the outreach programs conducted over the summer.

Meanwhile, in in-person meetings after school, our members worked diligently on robot improvements! Each division worked together to find innovative solutions to problems while refining our robot. Insiah Kizilbash informed, “This past month we worked on robot improvements in order to get ready for CalGames,” taking place this October, “We worked on the intake, two-motor storage, and currently are working on the adjustable shooter.”

Further, from the mechanical side, George Gino discussed some essential aspects of the mechanical improvements done, stating that they have, “[added] an adjustable for the shooter and [made] the storage from 1 motors to 2 motors, also changing the sensors. On the side, mech has been working with our new swerve modules,” as seen in the picture to the right.



Alongside robot improvements, MVRT held a demo at school on September 14. Abhik Das expressed his excitement about the demo by stating, “I think I am most excited to let other people in the school know what we actually do, because a lot of it is talk of a robot, but not many people actually ever see the robot in person. So showing off our work is the cool part of the demo.”

In addition to the demo, Club Info Day, an awaited school event, kept our operations team on their toes. “I’m looking forward to getting to meet lots of interested people and get them involved on the team as well as showcase the robot and its abilities to the Monta vista community”, expressed Darpan Singh.

Overall, September supplied our members with countless opportunities! We are thankful to all our mentors, members, and alumni who have helped us throughout our MVRT journey with thoughtful advice, and hard work along with sparing their precious time to help us become successful as a team. See you at CalGames!