

October 2023 Newsletter

Starting off October with offseason competitions and ending with rookie trainings, MVRT truly had an eventful month!

MVRT participated in two offseason competitions in 2023: Chezy Champs hosted by FRC Team 254 and CalGames hosted by WRRF and FRC Team 100! At Chezy Champs, MVRT trained its new drive team and new veterans for them to gain essential experiences in a competition environment.

In the following week, MVRT spruced up its robot to participate in CalGames! With heightened speed and a cascading elevator that consistently scored in even the high nodes, our team finished off the competition strong, ranking 7 overall and joining the third alliance with FRC Team 6962, FRC Team 6418, and FRC Team 9143 in eliminations.



Our team truly had a blast, enjoying new learning opportunities and feeling the thrill of competitions. Saketh Korada, Director of Electrical Engineering, mentions his joy with the performance of electrical members, stating that even if the team experienced “a couple of issues such as batteries burning out”, the team has “improved a lot with systems check” and was “much more thorough with their procedures pre and post-match.” With these solidified skills in pits, our team is excited to take on regional competitions in our build season!



After completing off-season competitions, MVRT went straight into rookie trainings from October 20 to November 20. The first day, MVRT introduced rookies to each engineering division of our team: software, electrical, and mechanical. Here, rookies rotated between each division to learn about various CAD softwares we use, the basics of electrical control systems, and learning

how we program the robot for it to drive, playing fun games and winning prizes to get their newfound knowledge tested.

Our first couple of training sessions included rookie projects to design and assemble spinning wheels, learning basic mechanical tools and robot Java. Even more, on the operations side of our team, rookies indulged into the world of outreach program creation, writing grants, and learning how to produce an effective brand to establish a professional team presence.



Veterans enjoyed learning more advanced concepts, building on top of their learnings from the summer. For instance, software veterans took part in vision training to learn how to incorporate April Tag vision in our robotic system. Software veteran Justin Chen exclaims that he particularly enjoyed learning how to “incorporate OpenCV” into MVRT’s vision system, and he hopes that “the more [he learns], the more [he] will be able to contribute towards producing a better and more accurate vision [for the robot].”

As we head into November, MVRT is excited to continue its rookie training and advance our technology for our build season. Thank you to all of our mentors, alumni, sponsors, parents, and members for their constant support for the team, and we look forward to ending our offseason with a crescendo!