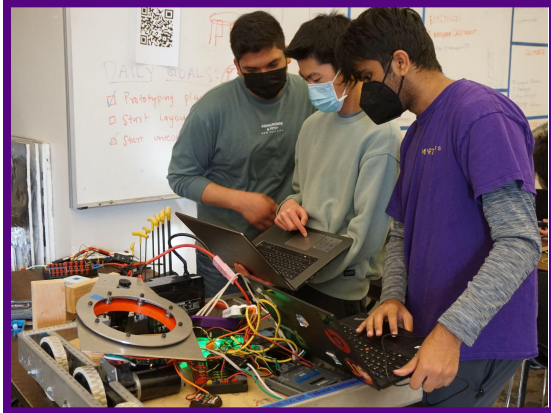


Build - Week 2 Newsletter

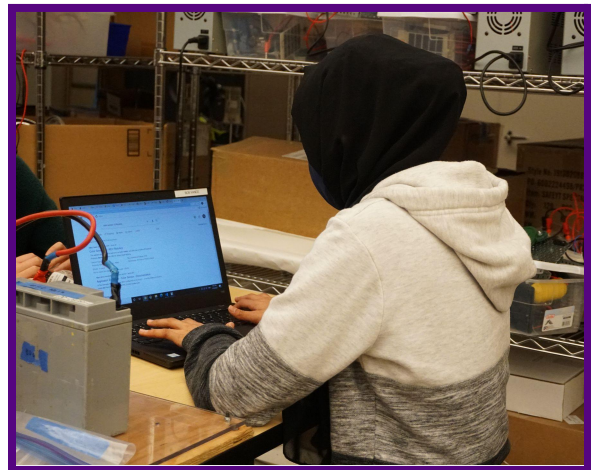
After an exciting start to build season, we continue into our second week, progressing and innovating our designs for the 2022 FRC Rapid React game!

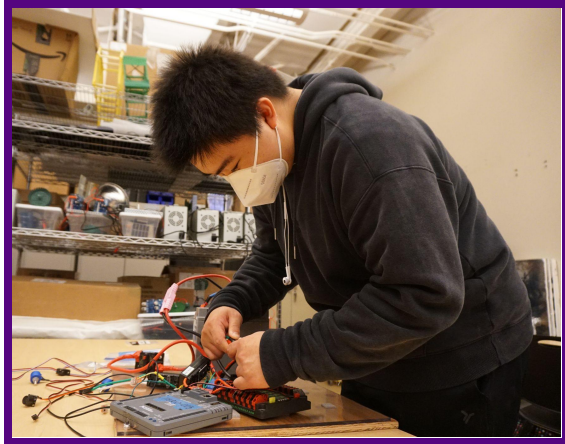


On Saturday and Sunday, members finished the layout sketches of their manipulators and continued working on their prototypes. Early on in the week, on Sunday, success was shown when the turret manipulator accurately positioned itself in front of a piece of reflective tape. The team started this second week strong with an already working prototype!

Furthermore, members met for a design review on Sunday. Most 3D CADs have been started for the manipulators, and some groups have been able to nearly finish it! Leads explained their advances made towards their CADs and prototypes, and some even showed videos of their initial prototype functioning.

In honor of Martin Luther King Jr. Day on Monday, members instead met on Tuesday to work on their CADs and prototypes. On the software side of the team, members started working on the code for the auton paths of the drivetrain, the SuperScout app, intake, shooter, and storage subsystems, and started logging data of the shooter into SmartDashboard. Documentation of the code was also started!

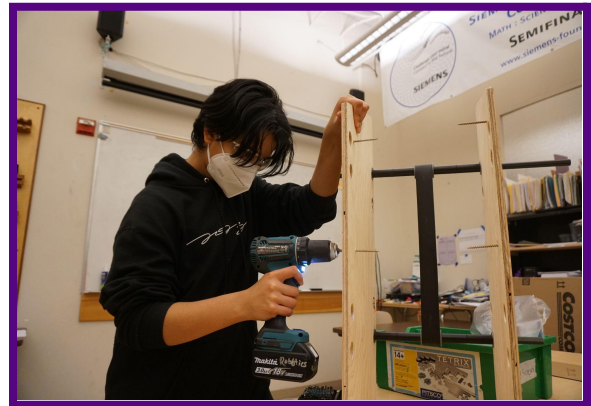




Electrical leads finalized what sensors were to be used for each manipulator, and finished the bellypan CAD.

As delivery time for the needed materials to make the robot was becoming lengthy, members had to quickly finish their purchase order list, or PO list, so that all materials, including necessary sensors, could get ordered!

By the end of the week, multiple manipulator prototypes, such as the shooter, hopper, and climber, were finishing up. Many leads utilized wood and polycarb to create their initial prototypes. After creating the prototype, it was tested with either a drill or with a completed code. The shooter showed great success in shooting a ball a distance almost as far as half a basketball court!



On the operations side of the team, filming for the Chairman's Video continued, and the speech and essay were started for the Chairman's Awards.

Throughout the week, the team made great progress, and for this, we thank our members, mentors, and alumni for working so hard. We couldn't be more thankful for the support, encouragement, and help the mentors and alumni give us. We are excited to continue innovating with this support throughout this 2022 Build Season!