

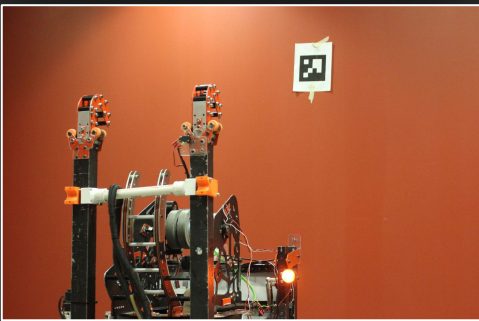
TEAM NEUTRINO

2023 Week 3 Newsletter



FLL State Competition

On Saturday, two FLL teams mentored by Team Neutrino, the Fancy Fire Duck Dogs and Attack of the Energizer Bunny Snacks competed at the Iowa State FLL Championship. At this event, teams showcased everything they learned throughout the season, presented their innovation projects, socialized with other teams, and, of course, participated in exciting robot matches!



AprilTags

This season, FIRST is implementing AprilTags into their robot game. AprilTags are very similar conceptually to QR codes. The robot will use these tags to keep track of where it is on the field and align properly for scoring during the autonomous part of the match. Members of the controls sub-team have been hard at work figuring out how to utilize this new and unique feature.



Manufacturing

This week, the manufacturing sub-team has been hard at work, continuing last week's progress. Members have been working with both a CNC machine and lathe to make their parts. So far, they have worked on creating tubes for our drivetrain and shafts for our gearbox, and they have also started working on our scoring mechanism.



Impact Award Preparation

Through long hours and perseverance, the awards sub-team completed the rough draft of the Impact essay. The Impact executive summary rough draft was sent out for review this week to get input from the full team before final revisions. The next step is the Impact presentation, which the sub-team started this week and will be working on during future meetings.