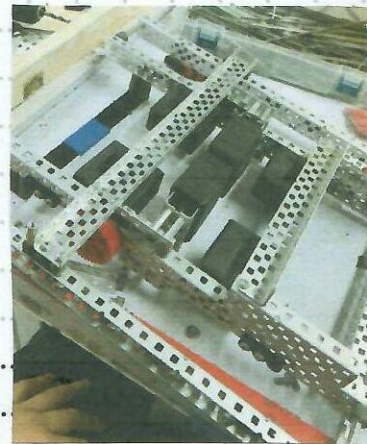


it difficult to continue operating. To investigate the issue, we conducted tests by replacing the smart motor with a larger one, and found that it did not experience any thermal saturation concerns. We deduced that the main difference lies in the lower voltage of the former. We maintaining a downward pressure state by locking the motor during the catapult process, it is easy to cause thermal saturation. To address this, we referred to the ratchet structure used by elevate-machanism, allowing the motor ~~red~~ to rotate in one direction only, and implemented a similar mechanism.

This approach eliminated the need to lock the motor, reduced the static torque, and enabled our catapult system to smoothly handle the loading of 44 Triballs.

19/11 Diary - 2 Chassis

Today we begin to made our new robot based on the prototype. We completed the basic assembly of the chassis, following the original template without any significant modifications.



Project

V5

designed by: Kevin

witnessed by: Joker

date: 11.19