16/2

Today we made some adjustments to the Robot's feature.

We designed the PC Board at the back of the Robot to prevent tipping and added an additional PC board to prevent Triballs from entering the Robot.

During the Asia championship the main reason the PC board did not prevent tipping was ~~b~~ it had inward deformations. Therefore, I hoped that by slightly bending the bottom part of the PC board outward. After testing, we find that it could even worsen the anti-tipping effect. After discussions, we decided to install two nut columns at the back of the Robot to support the PC board and achieve the desire anti-tipping effect.

Regarding the design of the Triball-blocking board, we bent the transparent PC board twice. The first bend was to ensure that the Triball-blocking board would not obstruct the Triball being thrown out. The second bend was to provide enough clearance for the intake mechanism to lift up. Without the bend, The Triball-blocking board would collide with the cata mechanism during the intake's ascent, limiting its range of motion.

project designed by: witnessed by:

date: