Elevation

In response to the challenge posed by a slippery pole during the national competition, we implemented a solution to enhance the Robot's elevation mechanism. We added an additional layer of cloth soaked in water to the end of the nut column on the elevation arm

This modification significantly increased the friction, enabling the Robot to more securely hook onto the pole, facilitating easier and more stable elevating

Prevent Robot from tipping over

Lastly, to prevent the Robot from tipping over when subjected to collisions with other Robots. we devised a solution to reinforce its structural stability. We measured and reattached a rope to the PC board, allowing it to be pulled to provide additional support and prevent backward tilting.

By implementing these structural modifications, our team has effectively addressed specific challenges and improved the overall performance and stability of Robot.

project V.6   designed by: Kevin   witnessed by: Joker

date: 1.2.6.7