



YOUNG MEN AND WOMEN IN CHARGE
FOUNDATION, INC.

YMWIC Robotics Team Competition

YMWIC Robotics Team Excels at the Annual Botball Tournament



The YMWIC Robotics Team traveled to the Greater DC Regional Botball Tournament in Great Mills, MD, on April 27th. During the previous few months, members of the team worked diligently at Headquarters during the weekly Robotics SIG (Special Interest Group) meetings to design, build, program, and test the robots. The Team brought two autonomous robots to the competition, a smaller robot built on a metal chassis called a *Demobot* and a larger robot built on a Roomba base called a *Createbot*. These robots were designed to work together without any human intervention to move pieces on the Botball game board. Scholars have been working with a full-sized 2024 game board table located in the YMWIC Robotics Lab at Headquarters.

On the road to competition, Scholars worked collaboratively to create an on-site presentation which four of our Team members presented in front of a judge about the Team Structure, Robot Design, Game Plan, and Future Plans. The judge was impressed by their presentation skills and how much the Team had accomplished in a short amount of time.

At the competition, teams have three seeding rounds during which they play by themselves; and the top two scores are averaged to populate the double-elimination bracket. During double eliminations, teams go head-to-head on the same game board. The YMWIC team came in 10th out of 20 teams after the seeding rounds. Our Team easily won their first double-elimination round. In the second double-elimination round, the two teams were tied on points and the YMWIC team won on a tie-breaker, knocking the second-seeded team to the consolation bracket. The YMWIC team finished in the top 8 after the double-elimination rounds.



The Botball judges were extremely impressed by the simple effectors and clever design of the YMWIC robots and awarded the team the KISS award for the simplicity and clever design of their robots, from the KISS Institute for Practical Robotics (KIPR).

The team worked extremely hard throughout the season and did a fantastic job. Congrats!

