

Experience Gained

Botball gave our team significant challenges that we had to work together to overcome. All of our members have strong math and science backgrounds, but applying these skills in a real engineering process is something that we weren't very familiar with. It was a challenge to come up with building plans and schedule meetings, but we found out a lot about the engineering process. The process of building something and discovering how to make it work autonomously is extremely beneficial to those who want to pursue STEM. We learned that discipline and focus are essential aspects of creating something. For example, we just didn't know where to begin when it came to building a robot, aside from the building we'd done at the workshop. We were able to share our ideas and create effective designs for our robots.

Documentation Process

We have kept our code saved in google drive, in case it gets deleted off the wallaby. We have recorded our brainstorm and engineering process in an engineering notebook.

Surprises

We lost the treading on one of our tires, so we had to figure out a new way to attach our backup wheels, which fit differently on the robot. This required some tweaks in our coding since the robot moved differently with its new wheels.

Also, we lost a member because she became busy, so we had to compensate by adjusting our roles and responsibilities within our team.

Advice for Future Teams

Our greatest advice to future teams would be to take it seriously and manage time effectively. We had trouble sticking to our work schedule, which created some time pressure and stress. In the future we will make sure to have more meetings and stick to a stricter work schedule.