Goals and Tasks for Botball 2019

Game Goals and Tasks

Game Goals and Tasks	Deadlines
1. Discuss overall game plan	1/17/19
a. Plan designs for both robots	1/17/19
b. Discuss uses for non-given construction pieces	1/17/19
2. Review game rules	1/17/19
a. Check homebase rules updates	1/17/19
b. Discuss how rules affect the game plan	1/17/19
3. Build the game board	1/18/19
a. Purchase necessary parts	1/12/19
b. Assemble PVC and game objects	1/17/19

Robot Building Goals and Tasks	Deadlines
1.Create inventory of parts and become familiar with materials	1/24/19
a. Sort pieces from 2018 kit	1/18/19
b. Sort pieces from other kits	1/24/19
2.Build Create	2/7/19
a. Build necessary structure	1/24/19
b. Design and build needed arms and claws	2/7/19
c. Decide on needed sensors and attach them	2/7/19
3.Build Small Robot	2/7/19
a. Design modular effector	2/7/19
b. Attach necessary sensors	2/7/19

Programming Goals and Tasks	Deadlines
1. Write and run test navigation programs	2/14/19
a. Discuss reusable navigation techniques	2/14/19
b. Run test programs for both bots	2/14/19
2. Write and test Small Bot programs	2/21/19
a. Write code	2/21/19
b. Program reusable code for effectors	2/21/19
c. Test and finalize code	2/21/19
3. Write and test Create programs	2/21/19
a. Write navigational programming using Create sensors	2/21/19
b. Write and test code for camera	2/21/19
c. Test and finalize code	2/21/19

Oklahoma

Documentation Goals and Tasks	Deadlines
1. Complete First Period Documentation	1/27/19
a. Class meeting on 1/17/19 to divide up the documentation tasks	1/17/19
b. Split up and work on the tasks	1/17/19
c. Submit Documentation Period One	1/27/19
2. Complete Second Period Documentation	2/14/19
a. Class meeting on 1/24/19 to divide up the documentation tasks	1/24/19
b. Split up and work on the tasks	1/24/19
c. Submit Documentation Period Two	2/14/19
3. Complete Third Period Documentation	2/28/19
a. Class meeting on 2/14/19 to divide up the documentation tasks	2/14/19
b. Split up and work on the tasks	2/14/19
c. Submit Documentation Period Three	2/28/19

Schedule Conflicts	Dates
Melia will be absent Thursday	2/14/19
Melia will be absent Friday	2/15/19
Jacob will not arrive until 5:45	Thursdays
John will not attend Friday meetings	Fridays

Team Organization

Botball Workshop: January 12 – 13, 2019

Botball Tournament: March 9, 2019

Team Meeting Times:

Thursdays	Fridays	Saturdays
3:30 - 7:30 PM	1:00 - 3:45 PM	10:00 a.m. - 5:00 PM
17-Jan	18-Jan	23-Feb
24-Jan	25-Jan	2-Mar
31-Jan	1-Feb	
7-Feb	8-Feb	
14-Feb	15-Feb	
21-Feb	22-Feb	
28-Feb	1-Mar	
7-Mar	8-Mar	

Oklahoma

Division of Labor

Adult Team Leader: Yoli Sizemore

Wallaby Robot Leader: Ryan

Wallaby Team: Melia, Riley

Create Robot Leader: Caleb

Create Team: Jacob, Nathan

Mechanical Leader: John

For the documentation, all team members will meet and complete documentation during class. If necessary, work will be split up to be taken home. Ryan will proofread, edit, and fix (if necessary) the final document. Ryan will upload all final documents.

Conflict Resolution

In the case of a disagreement, the team members will attempt to work it out by themselves. If no agreement can be reached, the issue will be taken to our adult team leader, Yoli Sizemore.