

Girl Power

Team Number: 0720

Region: Oklahoma

## **Period One - Project Plan**

### **Goals and Tasks for Botball 2019**

#### **Game Goals and Tasks**

A. Score 2 easy 50pt. Objects every time. **(01/31)**

-Score the firemen **(1/31)**

-Score the firetruck **(1/31)**

B. Food and medical supplies in high scoring area. **(02/15)**

-Two food and medical in disaster relief **(2/15)**

-Two food and medical in the top of the hospital **(2/15)**

C. As many meeples as possible placed in hospital. **(02/15)**

- Extract closest six meeples **(02/01)**

- Extract all the rest **(02/15)**

#### **Robot Building Goals and Tasks**

A. Sensor Mounts Navigation

**(01/24)**

-Place side IR's **(01/23)**

-Place ET**(01/24)**

B. Food and medical effector  
**(02/03)**

-Basic claw built **(01/21)**

-Claw improved **(01/28)**

C. Meeple extractor **(02/03)**

-Trouble shoot current claw  
**(01/17)**

-Working claw ready to code  
**(01/25)**

## **Programming Goals and Tasks**

A. Navigate first scoring objects. **(01/31)**

-Write the consistent move **(01/21)**

-Write the consistent turn **(01/31)**

B. Build Libraries for main effectors. **(02/14)**

-Write slow movement functions **(01/31)**

-Trouble shoot code **(02/07)**

C. Custom functions to complete tasks. **(02/14)**

-Write functions that are not normal **(02/05)**

-Modify custom functions **(02/14)**

## **Documentation Goals and Tasks**

A. **Period 1- *Project Plan*- January 28th**

-Document complete **(01/24)**

-Document verified for 100 pts **(01/24)**

B. **Period 2- *Mechanical*- February 19th**

-Video of effectors created **(02/01)**

-Audio is added and submitted **(02/08)**

C. **Period 3- *Lessons Learned*- March 5th**

-All team mates will be done in time **(03/01)**

-Verification of all surveys **(03/02)**

## **Schedule Conflicts**

- MLK Day **(01/21)**
- Professional Development Day **(02/01)**
- Professional Development Day **(03/05)**

## **Schedule Meeting Times**

5th, 6th, 7th, and 8th hour. Fridays 8-12. - From workshop to tournament.

## **Division of Labor**

Adult Team Leader: Roger Clement

Executive Administrator: Magan Hagy

Lead Code: Alissa

Lead Builder: Lenara

Code Team: Nichole, Kenlee, Emma

Build Team: Maddie, Addie, Jayla, Raylee

Research and Development: Leamber

Documentation: Magan, Cassidy

## **Conflict Resolution**

If any problems were to come up then the team would come together to discuss the situation. We would vote and agree.