# <u>Period One - Project Plan</u>
# Wilson Robotics
# Team 3 - 19-0076
# The Roarbotics

## <u>Goals and Task For Botball 2023</u>

### 1) <u>Game Goals and Task</u>

a)  Have the demobot collect the ping pong balls, 02/18/23

      i) Add sensors and camera to the robot, 02/13/23

      ii) Make sure the robot is efficient and fast enough to collect the ping pong balls, 02/18/23

b)  Make sure the Create gets the cubes, 02/25/23

      i) Make sure the code is completed to grab the cubes, 02/15,23

      ii) Make sure the arm can reach the stand, 02/20/23

c)  Make sure the demobot moves the pom-poms to our goal area, 02/28/23

      i) Make sure the robot built is secure enough to collect the pom poms, 02/17/23

      ii)Make sure the code for our line following and camera is don thane, 02/27/2023

### 2) Robot Building Goals and Tasks

a) Have the Wombat claw finished, 02/18/23

      i) Make sure the claw is balanced and secure, 02/11/23

      ii) Make sure the pieces are correctly placed and efficient, 2/16/23

b) Make sure the Create claw works, 02/11/23

        i)The claw has to well balanced and weighted, 02/11/23

        ii)The servos and pieces are working, 02/11/23

c) Make sure the Wombat's side collector is put in, 2/15/23

        i) Get the foam piece and cut it out, 2/13/23

        ii) Screw in the foam piece securely, 2/13/23

## 3) Programing Goals and Tasks

a) Finish the Create program, 03/7/23

   i) Follow the deadlines, 02/28/23

   ii) Program claw and sensor, 03/05/23

b) Finish the Wombat program, 03/01/23

   i) Program line following, 02/23/23

   ii) Program claw and sensor mechanism, 02/27/23

c) Make sure the program runs smoothly and ideally, 03/25/23

   i) Both the Create program and the Wombat program is finished, 03/10/23

   ii) Do lots of test runs and trials, 03/24/23

## 4) Documentation Goals and Tasks

a) Make sure the documentations is done within the due date, 02/15/23, 03/10/23, 03/24/23

   i) Make deadlines for the things we want to do, 02/25/23

   ii) Make sure that the documentation group is doing their work, 02/15/23

b) Make sure the documentation is correct and up to date, 03/24/23

   i)Make sure that everyone agrees, 02/28/23

   ii) Make sure that all sections of the project match the documentations,

04/05/23

c) Make sure the documentation can achieve a 80% or higher score, 03/28/23

    i) Make sure that the documentation is done in time, 02/15/23, 03/10/23, 03/24/23

    ii) Make sure that the documentation is up to date, 03/24/23
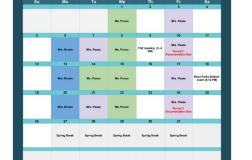
## 5) Schedule Conflicts

a) Parent-Teacher Conferences, 2/08/23 - 2/10/23

b) President's Day Break, 2/17/23 - 2/20/23

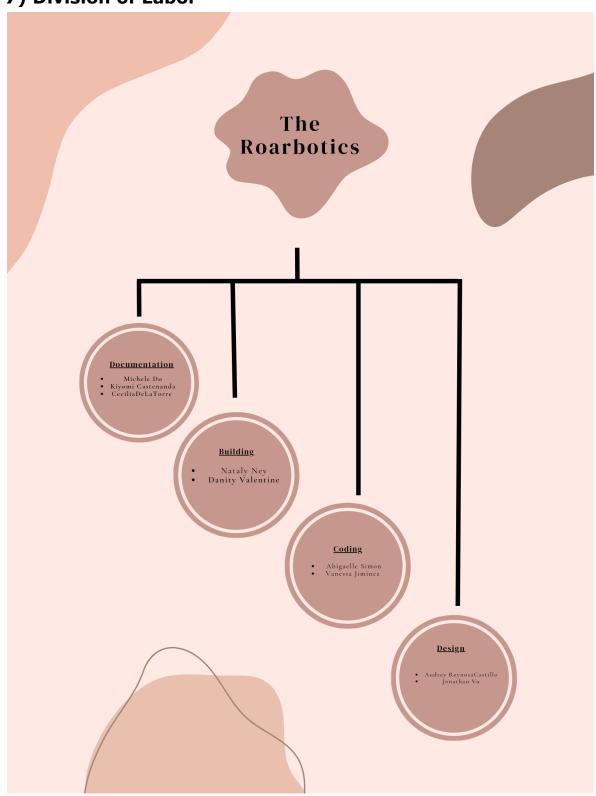c) Spring Break, 2/27/23 - 2/31/23

## 6) Schedule of Meeting Times

The Roarbotics

## 7) Division of Labor



**The Roarbotics**

**Documentation**
- Michele Do
- Kiyomi Castenanda
- CeciliaDeLaTorre

**Building**
- Nataly Ney
- Danity Valentine

**Coding**
- Abigaelle Simon
- Vanessa Jiminez

**Design**
- Audrey ReynosaCastillo
- Jonathan Vu

**8) Conflict Resolution**

<u>Our team has agreed that if any disagreements occur. Everyone in the team will handle the situation with these following ways:</u>

1.    Team members who are in disagreement will first try to work out what is being disagreed. As a team, we agreed to allow ***everyone*** to be able to express their opinions and thoughts one at a time and attempt to try out each idea.

2.    After trying out all ideas, every member on the team votes on the best idea that was more successful and/or helpful to the situation.

3.    However, if none of the resolutions were a success, the team will bring their problem to our coaches and ask for their help or opinions and ways to improve.

4.    If most members like all ideas then we can improve our ideas by combining all ideas to something everyone agrees on and create a much better and suitable solution.

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