Austria (Vienna)

Goals and Tasks for Botball 2019

Team: NothingToCHere
Number: 0617

1. <u>**Game Goals and Tasks**</u>
    a. Finding a valid strategy   31.01.2019
        i.   Brainstorm and collect random ideas and tidbits of random thoughts. Formalizing a concrete strategy and discard invalid ones. Discussion within the team. 29.01.2019
        ii. Finalize our plans and bring them down on paper. 31.01.2019

    b. Bring every team member on the same level of knowledge 07.04.2019
        i.   Print out the game document and hand it out to each member of the team. Discuss the major problems of this year's challenge. Allocate roles. 29.01.2019
        ii. Stay updated via Telegram and GitHub 07.04.2019
    c. Plan a schedule compatible with various timetables and the opening hours of the robotics laboratory! 03.02.2019
        i.   Plan the time we are going to allocate with building our robots 03.02.2019
        ii. Plan the time we are going to allocate with writing the documentation 03.02.2019

2. <u>**Robot Building Goals and Tasks**</u>

    a. Idea for the robot 02.03.2019
        i.   Finalize which tasks the robot should achieve 02.02.2019
        ii. Finish the first prototype 02.03.2019
    b. Prototype of the create robot 16.03.2019
        i.   Make some improvements on the previous robot design 16.03.2019

ii.   Finish the second prototype
16.03.2019

c. Prototype of the movement mechanism 16.03.2019

i.   Make some improvements on previous grabber arm
16.03.2019

ii.. Finish the prototype of the grabber
16.03.2019

3. Programming Goals and Tasks

a. Get familiar with the programming of the create robot and its sensors
26.01.2019

    i.   Read the workshop pdf file
23.01.2019

    ii.   Try some small simple tasks
26.01.2019

b. Program the open cv detection 07.04.2019

    i.   Get familiar with open CV and the wallaby
06.03.2019

    ii.   Integrated the computer vision system into robot
07.04.2019

c. Program the create robot 07.04.2019

    i.   Program tasks according to game plan
04.04.2019

    ii.   Testing and finalizing computer vision integration with our existing code
05.04.2019

4. Documentation Goals and Tasks

a. First period 20.02.2019

    i.   Write the documentation
16.02.2019

    ii.   Correct it for spelling and grammar
17.02.2019

b. Second period 20.03.2019

    i.   Write the documentation
18.03.2019

  ii.   Correct it for spelling and grammar
       19.03.2019
 c. Third Period 05.04.2019
   i.   Sit together and discuss what we learned
      05.04.2019
   ii.   ii. Write down our ideas and plans for improvement
      05.04.2019

 d. Paper 17.03.2019
   i.   Collect some ideas
      17.02.2019
   ii.   Write the documentation
      15.03.2019
   iii.   Correct it for spelling and grammar
      17.03.2019

5. Schedule Conflicts

 a. Easter holidays   13.04.2019 –
   23.04.2019
 b. Project management final submission deadline
    20.03.2018
 c. Learning for various tests and exams

Team Organization

Schedule of Meeting Times
   Team meetings are going to take place Monday, Wednesday and Friday except: during the final phase of our school project management phase (to be determined exactly as we haven't gotten the final timeslot yet)

Division of Labour
Mechanics of Create Robot: Kacper
Open CV programming: Manuel
General construction: Kacper, Manuel
Documentation: Kacper, Manuel

Conflict Resolution
If conflicts arise, we would try to find the reason why it happened in the first place. We would try to solve it before it escalates. If that did not work, we would escalate them to our team leader, who is good at mediating. If that did not work we would ask an adult to act as mediator.